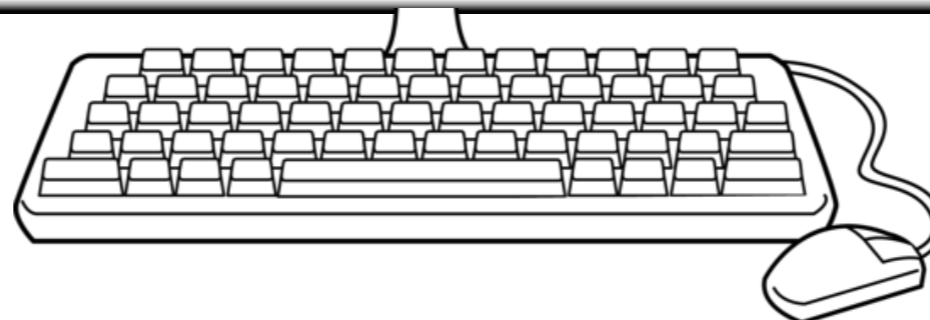
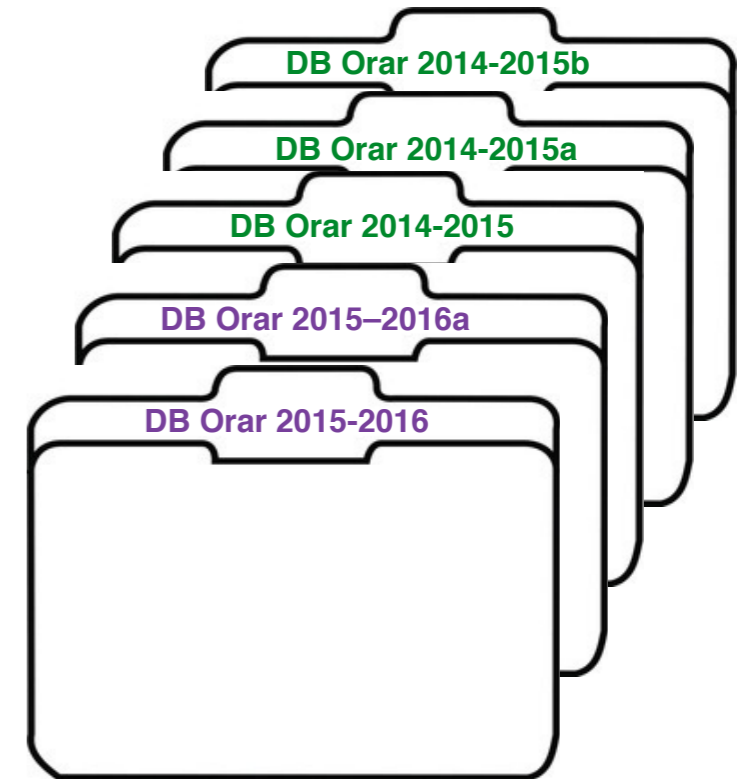
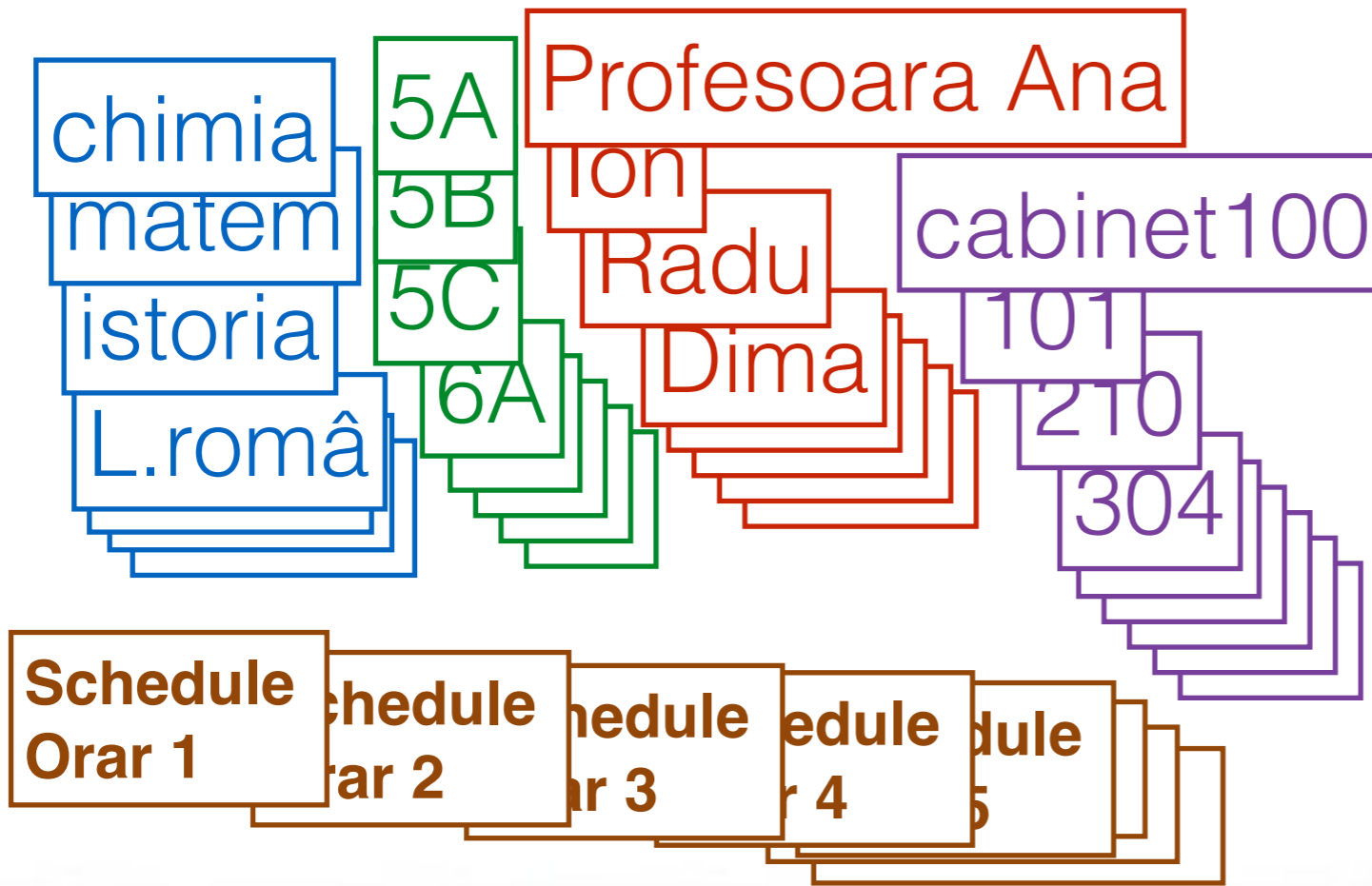


# Class Scheduler Program

Brent & Deeporn Beardsley  
Peace Corps Volunteers  
Moldova 2014-2016

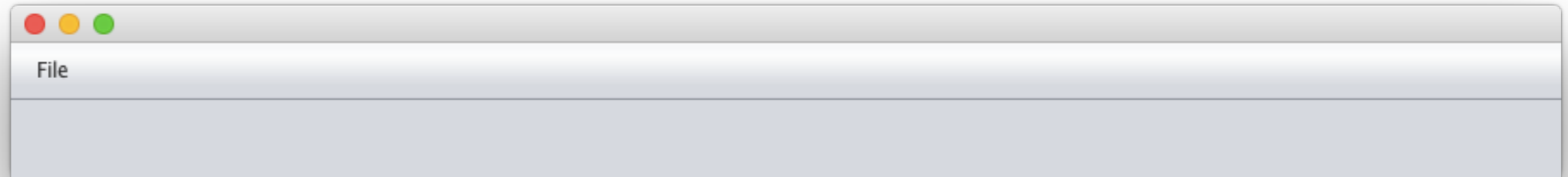
[www.BrentInMoldova.Weebly.com](http://www.BrentInMoldova.Weebly.com)

# DB Orar 2016-17

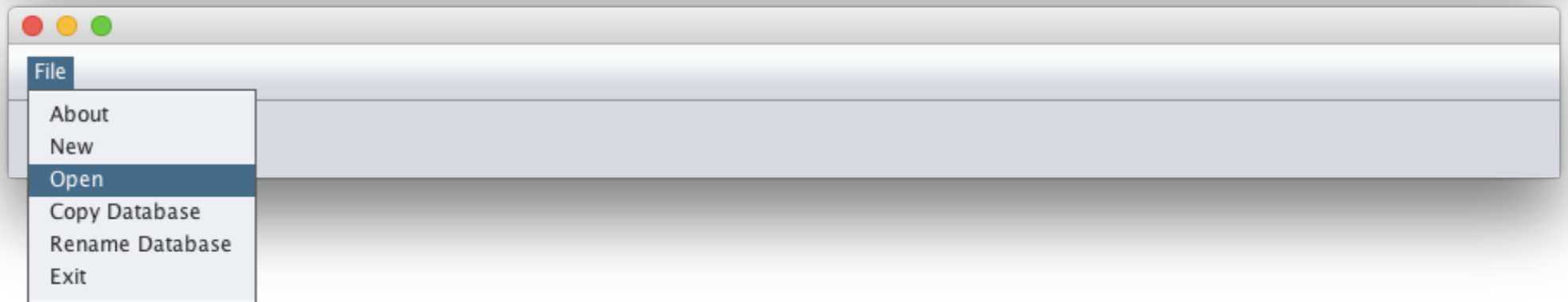


# Opening screens

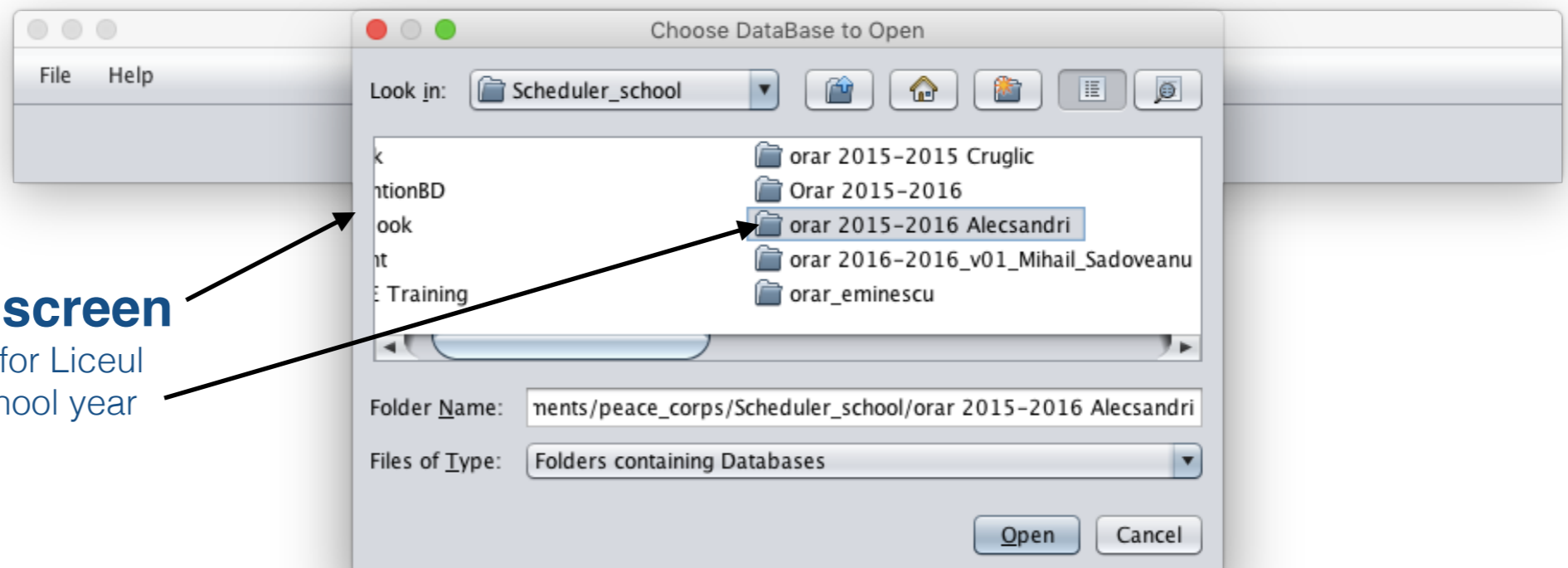
1



2



3



## Database selection screen

We are selecting the database for Liceul Alexandri for the 2015-2016 school year

# Opening Screen (cont'd)

## File

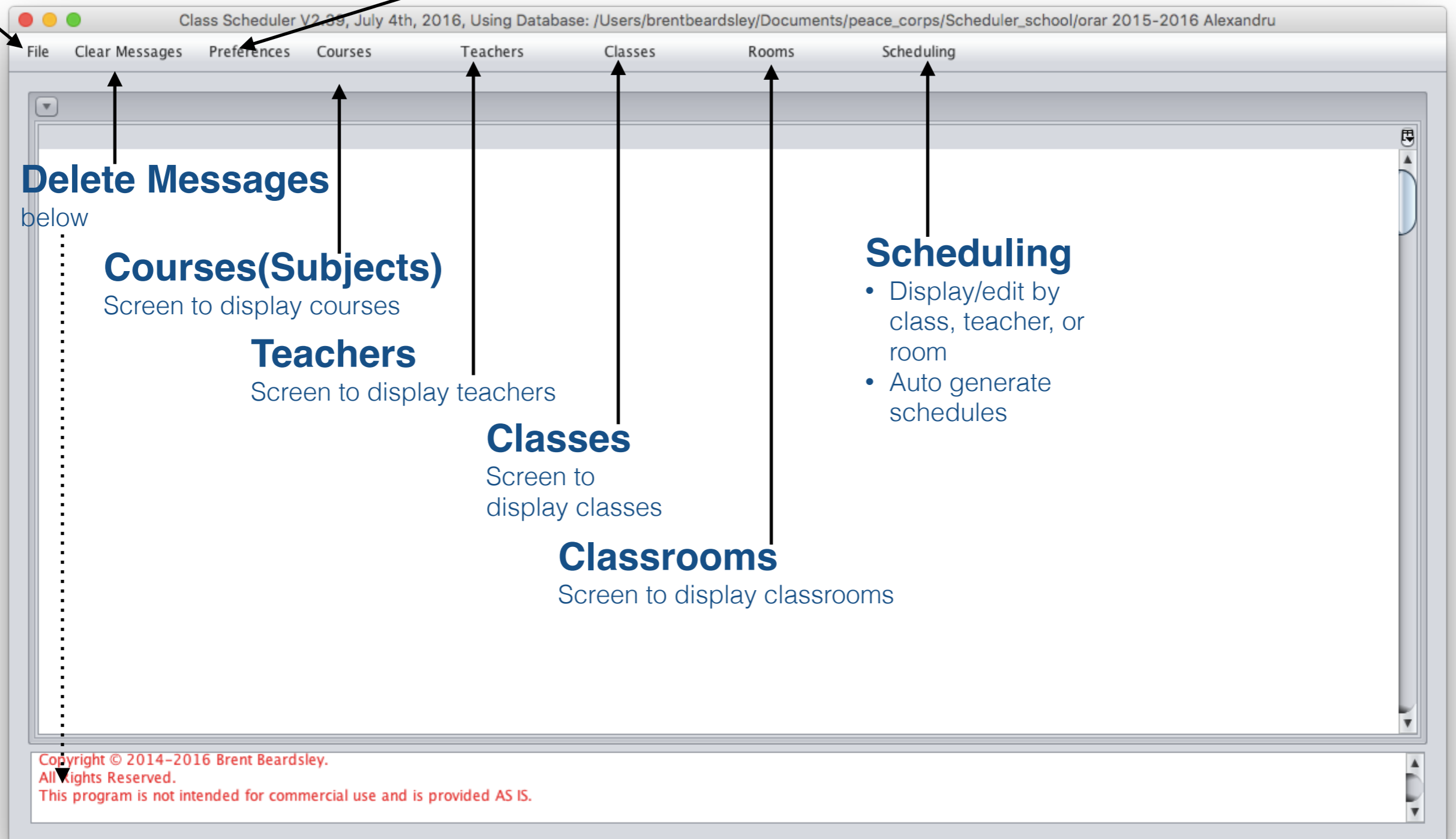
For basic file handling:

- **About:** Copyright, program version, etc.
- **New:** Create a new database
- **Open:** Open an existing database
- **Copy Database:** Copy an existing DB to a new one
- **Rename Database:** Change the name of a Database
- **Export:** Export table in a form that Excel can import
- **Exit:** "Save" database and exit program

**\*\*\*Do this first\*\*\***

## Preferences

For changing program preferences (fonts, font size, scrolling, whether rooms are scheduled by teacher or by class, etc.)



# Preferences (1/4)

## Set Logging preferences

The program logs what it is doing, so that if there is a problem the developer can see what happened and fix it.  
**Do not change these settings unless asked to.**

## Set Column preferences

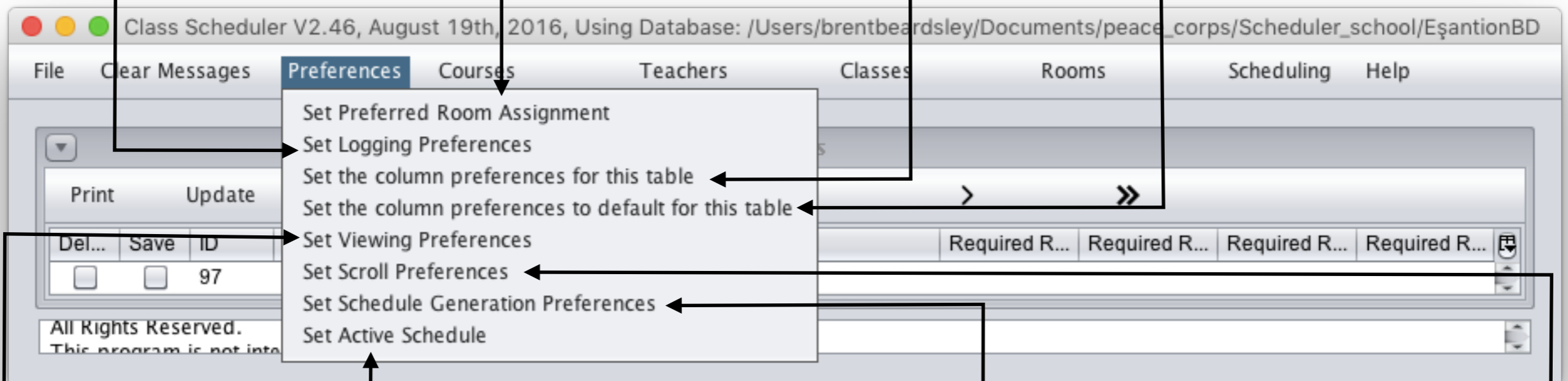
Each of the main screens are tables. The column sizes on these tables can be adjusted. Clicking on this will cause the current settings for this screen to be remembered and used the next time you use this screen.

## Set how the school assigns rooms

Schools generally assign classrooms in one or two ways:  
1. Students move from room to room to get lessons  
2. Teachers move from room to room to give lectures

## Set Column preferences to default

This resets the saved column preferences for this table to their default values.



## Set Active Schedule

This is used to tell the program which schedule to work with when displaying or editing schedules (see scheduling)

## Schedule Generation Preferences

This is used to set preferences when the program is generating schedules. (see later slide)

## Set Viewing Preferences

This changes font types and sizes as well as what is displayed. (see later slide)

## Set Scroll Preferences

This sets how many scrollable columns to display in the currently visible main screen table. It also sets how many columns to scroll (left or right) when using the multiple scroll buttons ( << >> )

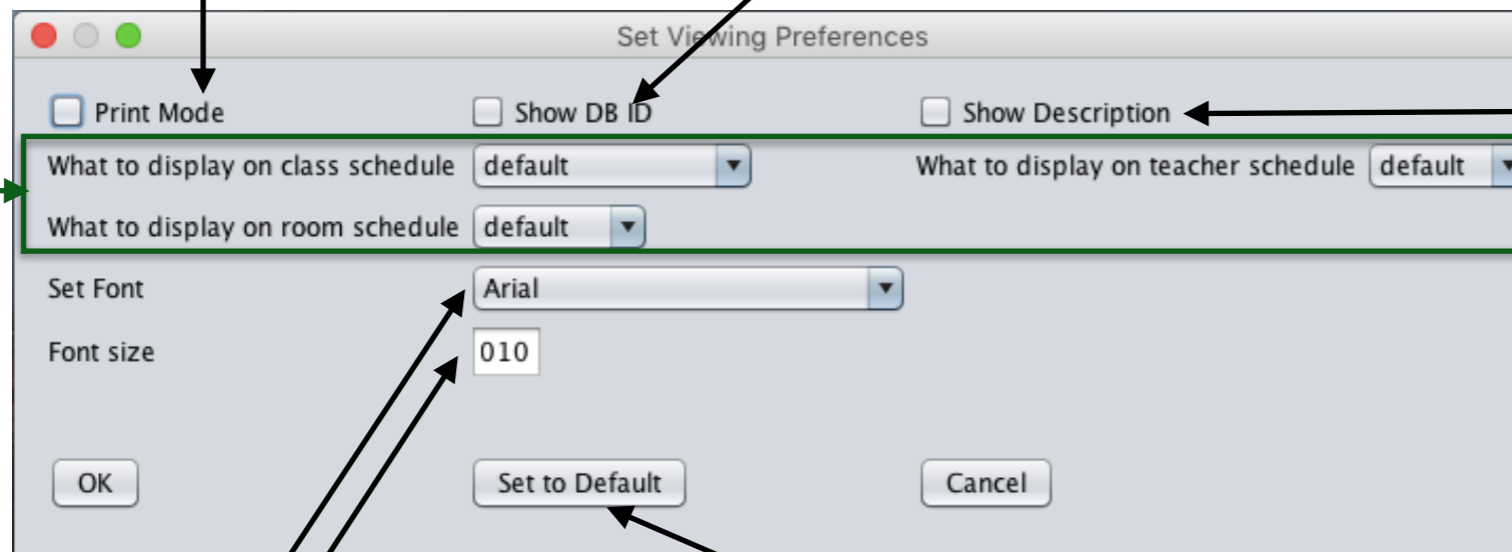
# Set Viewing Preferences (2/4)

## Print Mode

- For eliminating extra spaces in each columns, useful for printing schedule without exporting the schedule first.
- We recommend that you export the schedule and then import to Excel and print from Excel. Therefore, we recommend that you not select this option.

## Show DB ID

- For displaying Class Scheduler Program internal identification (ID) number of a field.
- These ID numbers are useful for trouble shooting but meaningless to the user, therefore, we recommend that you not select it.



## Show Course Description

This will cause the description to be displayed whenever the course is displayed.

- The course description is useful when working with classes and teachers to differentiate different courses with the same name. **This should be turned on when working with classes or teachers.**
- The course description is not useful when working with

## Set to Default

Set the values displayed on this screen to their original, default values

Type and size of font to use in the main screen tables

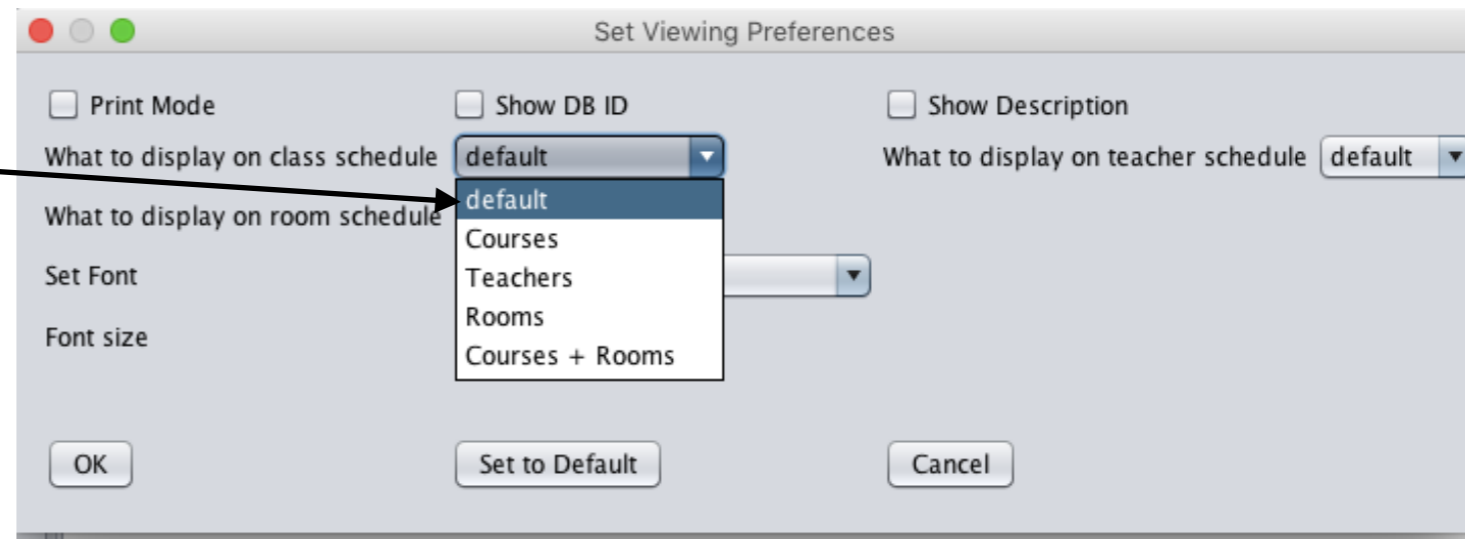
What information to display in schedules

See following slide

# Set Viewing Preferences (3/4)

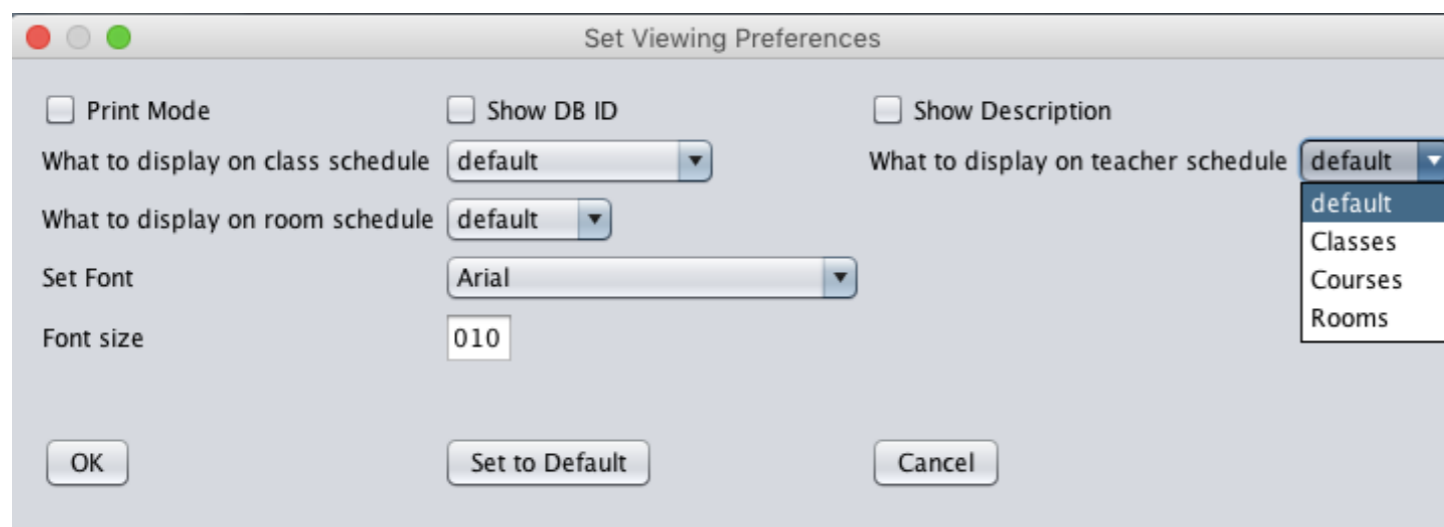
Schedule display **by class**

Default - Course : Teacher : Room



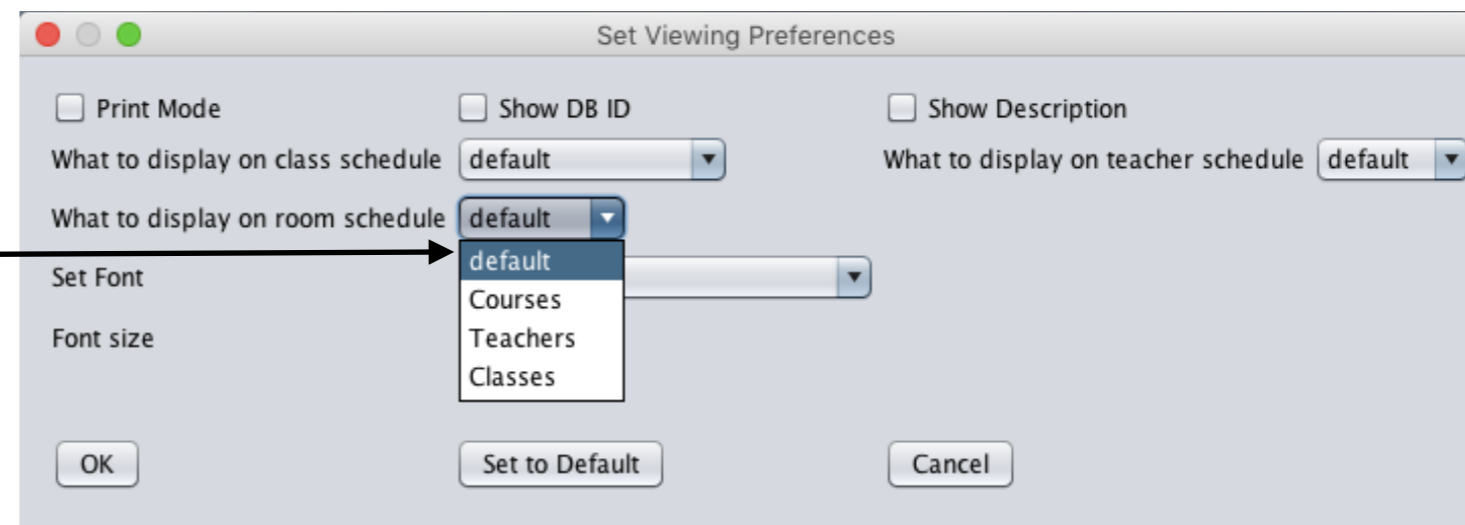
Schedule display **by teacher**

Default - Class : Course : Room



Schedule display **by room**

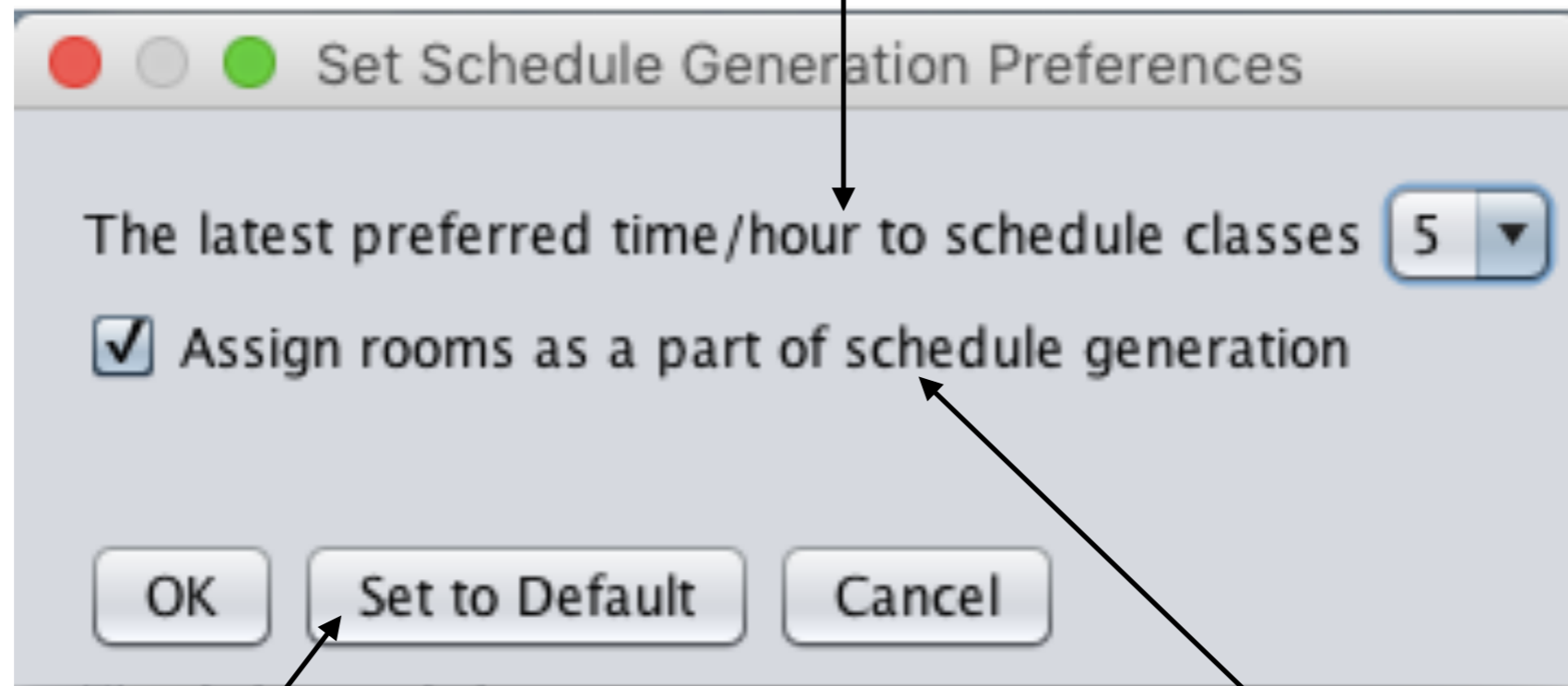
Default - Class : Course : Teacher



# Set Generation Preferences (4/4)

## Last Preferred time/hour to schedule classes

Class Scheduler program tries to schedule all classes in the first part of the day. This setting tells the software how many hours are in that first part. The default value is 5 which tells the software to only use the sixth and seventh hours of the day if it can't fit the schedule in the first 5 hours.



## Set to Default

Set the values displayed on this screen to their original, default values

## Assign rooms as a part of schedule generation

Indicate whether you want rooms assigned when schedules are generated by the program



# “Course” Screen

Add a new course

Scroll left multiple columns

Scroll left 1 column

Scroll right 1 column

Scroll right multiple columns

Restore from DB

Discard unsaved changes and get info from DB

Save updates to DB (Database)

Print

Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru

File Clear Messages Preferences Courses Teachers Classes Rooms Scheduling

Print Update Refresh Add « < > »

Delete	Save	ID	Name	Size	Description	Required Room1	Required Room2	Required Room3	Required Room4
<input type="checkbox"/>	<input type="checkbox"/>	97	Armonia	40	Tulbu A 11Ar, 12Ar				
<input type="checkbox"/>	<input type="checkbox"/>	79	Biologie	40	Timuta 9A,9B,9C,8A, 8B,8C,10U, 11...				
<input type="checkbox"/>	<input type="checkbox"/>	82	Biologie	40	Gheciu z 12Ar, 12 S				
<input type="checkbox"/>	<input type="checkbox"/>	99	Biologie	40	Ceban, 5B, 5C, 6A, 6B, 6C, 7A, 7B, 7C				
<input type="checkbox"/>	<input type="checkbox"/>	78	Chimie	40	Ceban 9A,9B,9C, 8A, 8B, 8C				
<input type="checkbox"/>	<input type="checkbox"/>	80	Chimie	40	Gheciu N 10R, 10U, 12R, 11R, 12U1,...				
<input type="checkbox"/>	<input type="checkbox"/>	81	Chimie	40	Pirau M 12U2 12S, 11Ar, 12 Ar				
<input type="checkbox"/>	<input type="checkbox"/>	16	Dirigenția	40	Trifan C 9B				
<input type="checkbox"/>	<input type="checkbox"/>	17	Dirigenția	40	Slovo V. 5A				
<input type="checkbox"/>	<input type="checkbox"/>	18	Dirigenția	40	Lungu A 5 B				
<input type="checkbox"/>	<input type="checkbox"/>	19	Dirigenția	40	Borta N 5C				
<input type="checkbox"/>	<input type="checkbox"/>	20	Dirigenția	40	Juscov 6B				
<input type="checkbox"/>	<input type="checkbox"/>	21	Dirigenția	40	Iuzvac 6A				
<input type="checkbox"/>	<input type="checkbox"/>	22	Dirigenția	40	Cioban 6C				
<input type="checkbox"/>	<input type="checkbox"/>	23	Dirigenția	40	Popa 7A ,12 U1				
<input type="checkbox"/>	<input type="checkbox"/>	24	Dirigenția	40	olaru 7C				
<input type="checkbox"/>	<input type="checkbox"/>	25	Dirigenția	40	Tulbu 8A				
<input type="checkbox"/>	<input type="checkbox"/>	26	Dirigenția	40	Cibotari 8B				
<input type="checkbox"/>	<input type="checkbox"/>	27	Dirigenția	40	Balic ,7B, 8C				
<input type="checkbox"/>	<input type="checkbox"/>	28	Dirigenția	40	Mindrescu 9A				
<input type="checkbox"/>	<input type="checkbox"/>	29	Dirigenția	40	Trifan 9B				
<input type="checkbox"/>	<input type="checkbox"/>	30	Dirigenția	40	lungu v 9 C				
<input type="checkbox"/>	<input type="checkbox"/>	31	Dirigenția	40	Timuta 10U				
<input type="checkbox"/>	<input type="checkbox"/>	32	Dirigenția	40	Lungu A 10R				
<input type="checkbox"/>	<input type="checkbox"/>	33	Dirigenția	40	Bagrii 11U1				
<input type="checkbox"/>	<input type="checkbox"/>	34	Dirigenția	40	Oolaru 11U2				

**Description**  
Used to distinguish courses of the same name. It is most often used when there is more than one teacher for a course and the adjunct director wishes to assign a specific teacher for that course in the various classes. In this example, the adjunct director also added the class names(7B, 9C,...).  
**Note:** This description can be hidden.

**Size**  
Maximum number of students allowable in one class for this course (not actual class size)

**Name**  
Course title

**To edit** a course, click on its name.

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# “Teacher” Screen

Maximum teaching hours per week

Minimum teaching hours per week

Courses can teach

Days and times **NOT** available to teach

Teacher name

Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru

File Clear Messages Preferences Courses Teachers Classes Rooms Scheduling

Print Update Refresh Add << < > >>

Delete	Save	ID	Name	MinClasses	MaxClasses	Courses1	Courses2	Courses3	Courses4	NotAv...	NotAv...	NotAv...	NotAv...
<input type="checkbox"/>	<input type="checkbox"/>	36	Amarii	5	40	Istorie:Amarii 5A, 5...							
<input type="checkbox"/>	<input type="checkbox"/>	9	Bagrii	5	40	Dirigenția:Bagrii 1...	L rom :Bagrii A 5A,...						
<input type="checkbox"/>	<input type="checkbox"/>	19	Balic V	5	40	Dirigenția:Balic ,7B...	Informatică:Balic V...	Matematică:Balic V...					
<input type="checkbox"/>	<input type="checkbox"/>	20	Balic s	5	40	Informatică:Balic S ...							
<input type="checkbox"/>	<input type="checkbox"/>	7	Bolea	5	35	Dirigenția:Bolea 1...	L fran:Bo lea T 11...	L fran II:Bo Lea T 1...					
<input type="checkbox"/>	<input type="checkbox"/>	18	Borta N	5	35	Dirigenția:Borta N ...	Matematică:Borta ...	OP Inform:Borta 7B...					
<input type="checkbox"/>	<input type="checkbox"/>	15	Botnari	5	40	Matematică:Botnar...							
<input type="checkbox"/>	<input type="checkbox"/>	51	Bricicari	5	35	Dirigenția:bricicari ...	Ed civică:Bricicari ...	Istorie:Bricicari 6A, ...					
<input type="checkbox"/>	<input type="checkbox"/>	1	Budoian	5	35	Dirigenția:Budoian...	L eng:Budoian A 1...	L eng II:Budoian A ...					
<input type="checkbox"/>	<input type="checkbox"/>	31	Buga	5	40	Geografie:Buga T ...							
<input type="checkbox"/>	<input type="checkbox"/>	24	Ceban	5	40	Biologie:Ceban, 5...	Chimie:Ceban 9A,...	Dirigenția:Cioban ...					
<input type="checkbox"/>	<input type="checkbox"/>	21	Cebotari	5	40	Dirigenția:Cibotari ...	Fizică:Cebotari An...						
<input type="checkbox"/>	<input type="checkbox"/>	40	Chitoroaga I	5	35	Ist muzicii:Chitoroa...							
<input type="checkbox"/>	<input type="checkbox"/>	54	Chitoroaga S	5	35	L rusă:Chitoroaga ...							
<input type="checkbox"/>	<input type="checkbox"/>	12	Coadă V	5	40	L rom :,Coadă v. 5...							
<input type="checkbox"/>	<input type="checkbox"/>	6	Coscodan	5	40	L fran:Coscodan 1...							
<input type="checkbox"/>	<input type="checkbox"/>	38	Cvasniuc	5	40								
<input type="checkbox"/>	<input type="checkbox"/>	37	Enache	5	40	Istorie:Enache 11...							
<input type="checkbox"/>	<input type="checkbox"/>	43	Fintinari	5	40	Ed. muzica:Fintinar...							
<input type="checkbox"/>	<input type="checkbox"/>	26	Gheciu	5	14	Chimie:Gheciu N 1...							
<input type="checkbox"/>	<input type="checkbox"/>	27	Gheciu Z	5	35	Biologie:Gheciu z ...							
<input type="checkbox"/>	<input type="checkbox"/>	30	Iasinschi	5	40	Ed fizică:Iasinschi ...							
<input type="checkbox"/>	<input type="checkbox"/>	3	Iuzvac	5	35	Dirigenția:Iuzvac 6A	L eng:Iuzvac 6A, 8...	Lit. universala:Iuzv...					
<input type="checkbox"/>	<input type="checkbox"/>	49	Juscov S.	5	35	Dirigenția:Juscov ...	L rusă:juscov 6A,6...						
<input type="checkbox"/>	<input type="checkbox"/>	11	Lungu	5	35	Dirigenția:Lungu A...	Dirigenția:Lungu A...	L rom :Lungu A 5B,...					
<input type="checkbox"/>	<input type="checkbox"/>	46	Lungu V	5	35	Dirigenția:Lungu v ...	Istorie:Lungu V 11...						

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# “Class” Screen

## Actual size of class

The actual number of students in this class

## Number of groups

Sometimes a class needs to be subdivided into groups. For example some students are taking English and others are taking French.

## Short class name

## Class name

## Grade (Form)

## Total number of lectures per week

## Courses (Subjects)

The screenshot shows the 'Classes' screen of the Class Scheduler V2.39. The table below represents the data shown in the interface. Annotations with arrows point to specific columns: 'Class name' points to the 'Name' column, 'Short class name' points to 'Short Na...', 'Actual size of class' points to 'Size', 'Number of groups' points to 'Gr...', 'Grade (Form)' points to 'Grade', 'Total number of lectures per week' points to 'H...', and 'Courses (Subjects)' points to the 'Required Course' columns. The 'Classes' menu item in the top bar and the 'Classes' button in the toolbar are circled in red.

Name	Short Na...	Size	Gr...	Grade	H...	Required Course1	Required Course2	Required Course3	Required Course4	Required Course5
5 B	5 B	26	2	5	26	1:Biologie:Ceban, 5B, 5...	1:Dirigenția:Lungu A 5 B	1:Ed civică:Bricicari 5A...	2:Ed fizică:Slovo M 12U 2, 12 Ar, 9...	1:Ed. muzica:Fintinari 5A,5B, 5C, ...
5 C	5 C	23	1	5	25	1:Biologie:Ceban, 5B, 5...	1:Dirigenția:Borta N 5C	1:Ed civică:Bricicari 5A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...	1:Ed. plas:Slovo V 5A,5B, 5C, 6A, ...
5A	5A	25	2	5	26	1:Dirigenția:Slovo V. 5A	1:Ed civică:Bricicari 5A, ...	2:Ed fizică:Slovo M 12...	1:Ed. muzica:Fintinari 5A,5B, 5C, ...	1:Ed. plas:Slovo V 5A,5B, 5C, 6A, ...
6A	6A	25	2	5	27	1:Biologie:Ceban, 5B, 5...	1:Dirigenția:luzvac 6A	1:Ed civică:Bricicari 5A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...	1:Ed. muzica:Fintinari 5A,5B, 5C, ...
6B	6B	25	2	6	27	1:Biologie:Ceban, 5B, 5...	1:Dirigenția:Juscov 6B	1:Ed civică:Bricicari 5A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...	1:Ed. muzica:Fintinari 5A,5B, 5C, ...
6C	6C	23	1	6	27	1:Biologie:Ceban, 5B, 5...	1:Dirigenția:Cioban 6C	1:Ed civică:Bricicari 5A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...	1:Ed. muzica:Fintinari 5A,5B, 5C, ...
7A	7A	26	2	7	30	2:Biologie:Ceban, 5B, 5...	1:Chimie:Ceban 9A,9B,...	1:Dirigenția:Popa 7A ,...	1:Ed civică:Tihon Ina 8A,8B, 8C,7A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...
7B	7B	25	1	7	30	2:Biologie:Ceban, 5B, 5...	1:Chimie:Ceban 9A,9B,...	1:Dirigenția:Balic ,7B, 8C	1:Ed civică:Tihon Ina 8A,8B, 8C,7A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...
7C	7C	23	1	7	30	2:Biologie:Ceban, 5B, 5...	1:Chimie:Ceban 9A,9B,...	1:Dirigenția:Tulbu 8A	1:Ed civică:Tihon Ina 8A,8B, 8C,7A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...
8A	8A	26	2	8	30	2:Biologie:Timuta 9A,9...	2:Chimie:Ceban 9A,9B,...	1:Dirigenția:Tulbu 8A	1:Ed civică:Tihon Ina 8A,8B, 8C,7A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...
8B	8B	26	2	8	30	2:Biologie:Timuta 9A,9...	2:Chimie:Ceban 9A,9B,...	1:Dirigenția:Cibotari 8B	1:Ed civică:Tihon Ina 8A,8B, 8C,7A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...
8C	8C	23	1	8	30	2:Biologie:Timuta 9A,9...	2:Chimie:Ceban 9A,9B,...	1:Dirigenția:Balic ,7B, 8C	1:Ed civică:Tihon Ina 8A,8B, 8C,7A...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...
9A	9A	26	2	9	29	2:Biologie:Timuta 9A,9...	2:Chimie:Ceban 9A,9B,...	1:Dirigenția:Mindrescu ...	1:Ed civică:Bricicari 5A, 5B, 5C, 6...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...
9B	9B	23	1	9	29	2:Biologie:Timuta 9A,9...	2:Chimie:Ceban 9A,9B,...	1:Dirigenția:Trifan C 9B	1:Ed civică:Bricicari 5A, 5B, 5C, 6...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...
9C	9C	23	1	9	29	2:Biologie:Timuta 9A,9...	2:Chimie:Ceban 9A,9B,...	1:Dirigenția:lungu v 9 C	1:Ed civică:Bricicari 5A, 5B, 5C, 6...	2:Ed fizică:lasinschi ,5C,6A6B, 6C,...
10 R	10 R	25	2	10	30	2:Biologie:Timuta 9A,9...	3:Chimie:Gheciu N 10R, ...	1:Dirigenția:Lungu A 1...	1:Ed civică:Bricicari 5A, 5B, 5C, 6...	2:Ed fizică:Slovo M 12U 2, 12 Ar, 9...
10 U	10 U	36	2	10	28	1:Biologie:Timuta 9A,9...	1:Chimie:Gheciu N 10R, ...	1:Dirigenția:Timuta 10U	1:Ed civică:Bricicari 5A, 5B, 5C, 6...	2:Ed fizică:Slovo M 12U 2, 12 Ar, 9...
11 Ar	11 Ar	15	1	11	23	1:Biologie:Timuta 9A,9...	1:Chimie:Gheciu N 10R, ...	1:Ed civică:Tihon Ina 8...	1:Ed fizică:Slovo M 12U 2, 12 Ar, 9...	2:Fizică:Sapoval 11Ar. 12 Ar., 12 S
11 U1	11 U1	28	2	11	29	1:Biologie:Timuta 9A,9...	1:Chimie:Gheciu N 10R, ...	1:Dirigenția:Bagrii 11U1	1:Ed civică:Tihon Ina 8A,8B, 8C,7A...	2:Ed fizică:Slovo M 12U 2, 12 Ar, 9...
11R	11R	23	2	11	30	3:Biologie:Timuta 9A,9...	2:Chimie:Gheciu N 10R, ...	1:Dirigenția:Budoian 1...	1:Ed civică:Tihon Ina 8A,8B, 8C,7A...	2:Ed fizică:Slovo M 12U 2, 12 Ar, 9...
11U 2	11U 2	28	2	11	29	1:Biologie:Timuta 9A,9...	1:Chimie:Gheciu N 10R, ...	1:Dirigenția:Oolaru 11...	1:Ed civică:Tihon Ina 8A,8B, 8C,7A...	2:Ed fizică:Slovo M 12U 2, 12 Ar, 9...
12 R	12 R	23	2	12	32	3:Biologie:Timuta 9A,9...	3:Chimie:Gheciu N 10R, ...	3:Dirigenția:Ursu M 12R	2:Ed fizică:Slovo M 12U 2, 12 Ar, 9...	4:Fizică:Cebotari Ana 8A, 12U1, 1...
12 Sp	12 Sp	14	2	12	24	3:Biologie:Gheciu z 12...	1:Chimie:Pirau M 12U2 ...	1:Dirigenția:Slovo 12 S	1:Ed fizică:Slovo M 12U 2, 12 Ar, 9...	2:Fizică:Sapoval 11Ar. 12 Ar., 12 S
12 U1	12 U1	29	2	12	28	1:Biologie:Timuta 9A,9...	1:Chimie:Gheciu N 10R, ...	1:Dirigenția:Popa 7A ,...	1:Ed civică:Bricicari 5A, 5B, 5C, 6...	2:Ed fizică:Slovo M 12U 2, 12 Ar, 9...
12 U2	12 U2	25	2	12	28	1:Biologie:Timuta 9A,9...	1:Chimie:Pirau M 12U2 ...	1:Dirigenția:Bolea 12U2	1:Ed civică:Bricicari 5A, 5B, 5C, 6...	2:Ed fizică:Slovo M 12U 2, 12 Ar, 9...
12Ar	12Ar	14	2	12	24	1:Biologie:Gheciu z 12...	1:Chimie:Pirau M 12U2 ...	1:Dirigenția:bricicari 12 A	1:Ed civică:Bricicari 5A, 5B, 5C, 6...	1:Ed fizică:Slovo M 12U 2, 12 Ar, 9...

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# “Class” Screen, scrolled right

Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru

File Clear Messages Preferences Courses Teachers Classes Rooms Scheduling

Classes

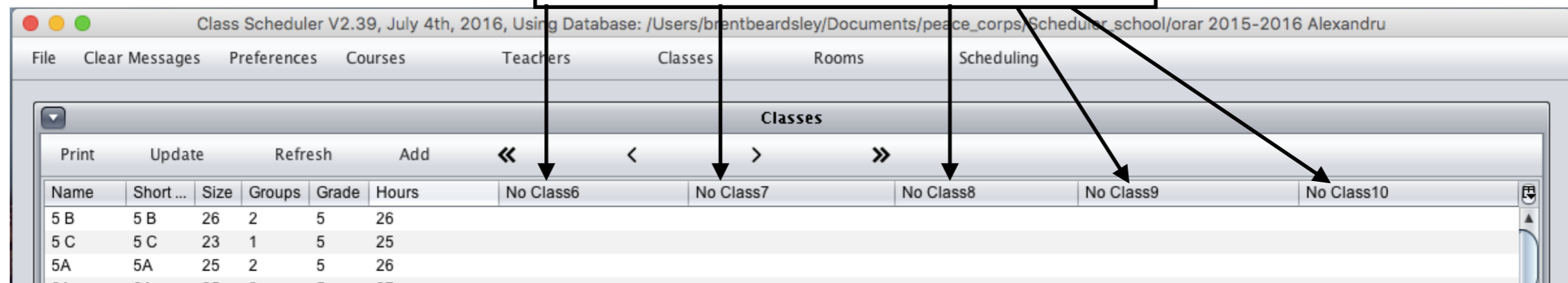
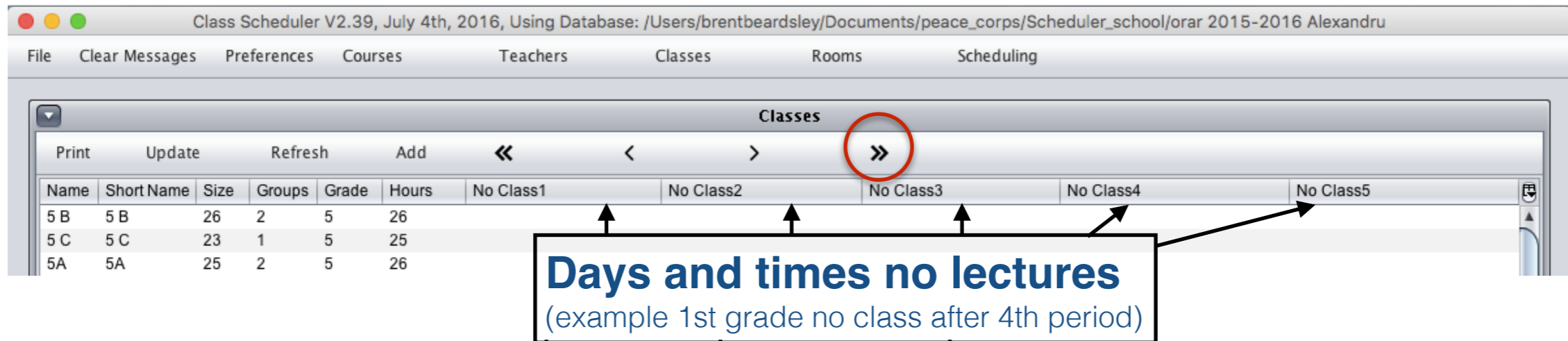
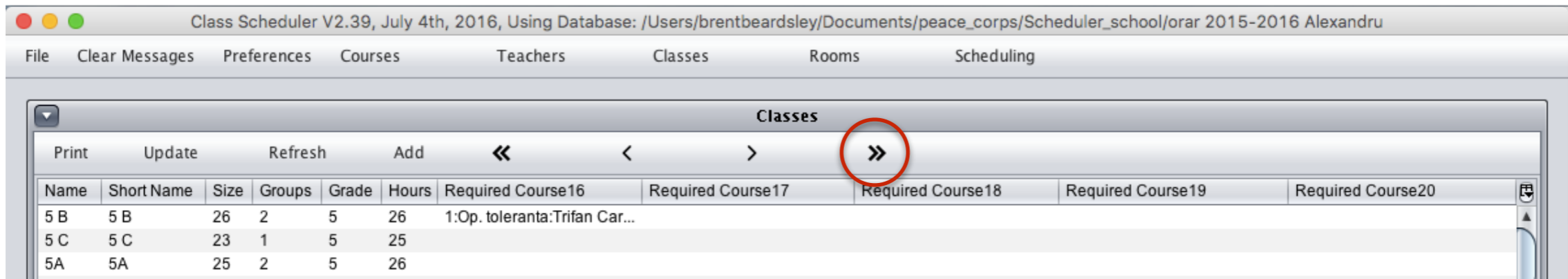
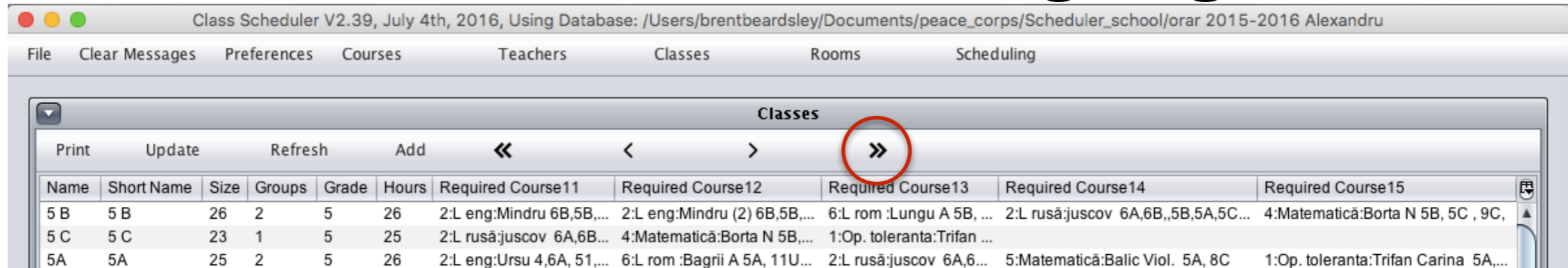
Print Update Refresh Add << < > >>

Name	Short Name	Size	Groups	Grade	Hours	Required Course6	Required Course7	Required Course8	Required Course9	Required Course10
5 B	5 B	26	2	5	26	1:Ed. plas:Slovo V 5A,...	1:Ed. tehn:Oaserele D 5...	1:Ed. tehn :Slovo V 5...	1:Geografie:Ursu Z 5A,5B,5C, 6...	2:Istorie:Amarii 5A, 5B, 5C,12R.
5 C	5 C	23	1	5	25	1:Ed. tehn :Slovo V 5A,...	1:Geografie:Ursu Z 5A,5...	2:Istorie:Amarii 5A, 5B...	2:L eng:Mindru 6B,5B,10U,5C, 5...	6:L rom :,Coadă v. 5C, 6A, 9B, 9...
5A	5A	25	2	5	26	1:Ed. tehn:Oaserele D ...	1:Ed. tehn :Slovo V 5A, 5...	1:Geografie:Ursu Z 5...	2:Istorie:Amarii 5A, 5B, 5C,12R.	2:L eng:Mindru 6B,5B,10U,5C, 5...
6A	6A	25	2	5	27	1:Ed. plas:Slovo V 5A,...	1:Ed. tehn:Oaserele D 5...	1:Ed. tehn :Slovo V 5...	1:Fizică:Stratan ion 9A,9b, 9c, 8...	1:Geografie:Ursu Z 5A,5B,5C, 6...
6B	6B	25	2	6	27	1:Ed. plas:Slovo V 5A,...	1:Ed. tehn:Oaserele D 5...	1:Ed. tehn :Slovo V 5...	1:Fizică:Stratan ion 9A,9b, 9c, 8...	1:Geografie:Ursu Z 5A,5B,5C, 6...
6C	6C	23	1	6	27	1:Ed. plas:Slovo V 5A,...	1:Ed. tehn:Oaserele D 5...	1:Fizică:Stratan ion 9...	1:Geografie:Ursu Z 5A,5B,5C, 6...	2:Istorie:Bricari 6A, 6B, 6C, 12 Ar
7A	7A	26	2	7	30	1:Ed. muzica:Fintinari ...	1:Ed. plas:Slovo V 5A,5B,...	1:Ed. tehn:Oaserele D...	1:Ed. tehn :Slovo V 5A, 5B, 5C, 6...	2:Fizică:Stratan ion 9A,9b, 9c, 8...
7B	7B	25	1	7	30	1:Ed. muzica:Fintinari ...	1:Ed. plas:Slovo V 5A,5B,...	1:Ed. tehn:Oaserele D...	2:Fizică:Stratan ion 9A,9b, 9c, 8...	1:Geografie:Ursu Z 5A,5B,5C, 6...
7C	7C	23	1	7	30	1:Ed. muzica:Fintinari ...	1:Ed. plas:Slovo V 5A,5B,...	1:Ed. tehn :Slovo V 5...	2:Fizică:Stratan ion 9A,9b, 9c, 8...	1:Geografie:Ursu Z 5A,5B,5C, 6...
8A	8A	26	2	8	30	1:Ed. muzica:Fintinari ...	1:Ed. tehn:Oaserele D 5...	1:Ed. tehn :Slovo V 5...	2:Fizică:Cebotari Ana 8A, 12U1, ...	1:Geografie:Ursu Z 5A,5B,5C, 6...
8B	8B	26	2	8	30	1:Ed. muzica:Fintinari ...	1:Ed. tehn:Oaserele D 5...	1:Ed. tehn :Slovo V 5...	2:Fizică:Cebotari Ana 8A, 12U1, ...	1:Geografie:Ursu Z 5A,5B,5C, 6...
8C	8C	23	1	8	30	1:Ed. muzica:Fintinari ...	1:Ed. tehn:Oaserele D 5...	2:Fizică:Cebotari Ana ...	1:Geografie:Ursu Z 5A,5B,5C, 6...	1:Informatică:Balic V 8C, 12U1, ...
9A	9A	26	2	9	29	1:Ed. tehn:Oaserele D ...	1:Ed. tehn :Slovo V 5A, 5...	2:Fizică:Stratan ion 9...	1:Geografie:Ursu Z 5A,5B,5C, 6...	1:Informatică:Balic V 8C, 12U1, ...
9B	9B	23	1	9	29	1:Ed. tehn:Oaserele D ...	2:Fizică:Stratan ion 9A,9...	1:Geografie:Ursu Z 5...	1:Informatică:Balic V 8C, 12U1, ...	2:Istorie:Lungu V 11R, 11U2, 7 ...
9C	9C	23	1	9	29	1:Ed. tehn:Oaserele D ...	2:Fizică:Stratan ion 9A,9...	1:Geografie:Ursu Z 5...	1:Informatică:Balic V 8C, 12U1, ...	2:Istorie:Lungu V 11R, 11U2, 7 ...
10 R	10 R	25	2	10	30	3:Fizică:Cebotari Ana ...	2:Geografie:Buga T 10R, ...	2:Informatică:Balic S ...	2:Istorie:Lungu V 11R, 11U2, 7 ...	3:L eng :Stefanuc, 10 R, 12U 2,...
10 U	10 U	36	2	10	28	2:Fizică:Cebotari Ana ...	2:Geografie:Buga T 10R, ...	1:Informatică:Balic S ...	3:Istorie:Lungu V 11R, 11U2, 7 ...	2:L eng:Mindru (2) 6B,5B,10U,5...
11 Ar	11 Ar	15	1	11	23	2:Geografie:Buga T 10...	1:Informatică:Balic S 10U...	3:Istorie:Bricari 6A, ...	3:L fran:Coscodan 12 A, 12 S, 1...	5:L rom:Stratan E.10U, 11R, 11A...
11 U1	11 U1	28	2	11	29	2:Fizică:Cebotari Ana ...	2:Geografie:Buga T 10R, ...	1:Informatică:Balic S ...	3:Istorie:tulbu 8 A, 11 U1, 12 U1	2:L eng :Stefanuc, 10 R, 12U 2,...
11R	11R	23	2	11	30	3:Fizică:Stratan ion 9A...	2:Geografie:Buga T 10R, ...	2:Informatică:Balic S ...	2:Istorie:Lungu V 11R, 11U2, 7 ...	3:L eng:Budoian A 11U1 11Ar,1...
11U 2	11U 2	28	2	11	29	2:Fizică:Cebotari Ana ...	2:Geografie:Buga T 10R, ...	1:Informatică:Balic S ...	3:Istorie:Lungu V 11R, 11U2, 7 ...	2:L eng :Stefanuc, 10 R, 12U 2,...
12 R	12 R	23	2	12	32	1:Geografie:Buga T 10...	2:Informatică:Balic S 10U...	2:Istorie:Amarii 5A, 5B...	3:L eng:Budoian A 11U1 11Ar,1...	3:L fran:Olaru 11U2, 12R, 10R, ...
12 Sp	12 Sp	14	2	12	24	1:Geografie:Buga T 10...	1:Informatică:Balic V 8C, ...	4:Istorie:Bricari 6A, ...	3:L eng :Stefanuc, 10 R, 12U 2,...	3:L fran:Coscodan 12 A, 12 S, 1...
12 U1	12 U1	29	2	12	28	2:Fizică:Cebotari Ana ...	1:Geografie:Buga T 10R, ...	1:Informatică:Balic V ...	3:Istorie:Bricari 6A, 6B, 6C, 12 Ar	2:L eng:Budoian A 11U1 11Ar,1...
12 U2	12 U2	25	2	12	28	2:Fizică:Cebotari Ana ...	1:Geografie:Buga T 10R, ...	1:Informatică:Balic V ...	3:Istorie:Enache 11Ar, 12U2,	2:L eng :Stefanuc, 10 R, 12U 2,...
12Ar	12Ar	14	2	12	24	2:Fizică:Sapoval 11Ar....	1:Geografie:Buga T 10R, ...	1:Informatică:Balic V ...	1:Ist muzicii:Chitoroaga ion 11Ar...	3:Istorie:Bricari 6A, 6B, 6C, 12 Ar

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# “Class” screen, scrolling right more



# “Class” Screen,

Course description showing groups

See next screen for explanation

Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru

File Clear Messages Preferences Courses Teachers Classes Rooms Scheduling

Classes

Print Update Refresh Add << < > >>

Na...	Sh...	Size	Gr...	Gr...	H...	Required Course13	Required Course14	...	R...	R...
5 B	5 B	26	2	5	26	6:L rom :Lungu A 5B, 7B, 9A, 8B , 10R,	2:L rusă:juscov 6A,6B,,5B,5A,5C,7C,8A,8B,8C,9A,9B,9C	...	1...	
5 C	5 C	23	1	5	25	1:Op. toleranta:Trifan Carina 5A,5B, 5C, 6B, 6C, 7A, 7C, 8B, 8C				
5A	5A	25	2	5	26	2:L rusă:juscov 6A,6B,,5B,5A,5C,7C,8A,8B,8C,9A,9B,9C	5:Matematică:Balic Viol. 5A, 8C	...		
6A	6A	25	2	5	27	2:L eng:Ursu 4,6A, 51, :2	6:L rom :,Coadă v. 5C, 6A, 9B, 9C,	...	4...	1...
6B	6B	25	2	6	27	2:L eng:Mindru 6B,5B,10U,5C, 5A, 5C, 8B:1	6:L rom :Popa N 12U1, 8A, 6B, 11U2, 7A,	...	4...	1...
6C	6C	23	1	6	27	6:L și lit rom:Ursu M 8C, 6C, 7C, 8C ,12R	4:Matematică :Rusu N 6C, 8B	...		
7A	7A	26	2	7	30	2:Istorie:Lungu V 11R, 11U2, 7 B ,9C, 8B,9B,7A,9 B, 9 A, 10R,7C, 10U,	2:L eng:Budoian A 11U1 11Ar,12 R,6B, 9A, 7A, 11R,11u2, 12U1, 7B,8A,, 12 R,;1	...	5...	2...
7B	7B	25	1	7	30	2:L eng:Budoian A 11U1 11Ar,12 R,6B, 9A, 7A, 11R,11u2, 12U1, 7B,8A,, 12 R,	5:L rom :Lungu A 5B, 7B, 9A, 8B , 10R,	...	4...	1...
7C	7C	23	1	7	30	2:L eng:Budoian A 11U1 11Ar,12 R,6B, 9A, 7A, 11R,11u2, 12U1, 7B,8A,, 12 R,	2:L rusă:juscov 6A,6B,,5B,5A,5C,7C,8A,8B,8C,9A,9B,9C	...	4...	1...
8A	8A	26	2	8	30	2:L eng:Budoian A 11U1 11Ar,12 R,6B, 9A, 7A, 11R,11u2, 12U1, 7B,8A,, 12 R,;1	2:L eng :Stefanuc, 10 R, 12U 2, 11U 2, 7A,9 A, 8 A, 11U1, 11ar, 12 A, 12 S, 10 U:2	...	2...	4...
8B	8B	26	2	8	30	2:L eng:Mindru 6B,5B,10U,5C, 5A, 5C, 8B:1	2:L fran:Olaru 11U2, 12R, 10R, 10U, 11R, 12U1, 7C, 8B, :2	...	2...	4...
8C	8C	23	1	8	30	2:L rusă:juscov 6A,6B,,5B,5A,5C,7C,8A,8B,8C,9A,9B,9C	5:L și lit rom:Ursu M 8C, 6C, 7C, 8C ,12R	...	1...	
9A	9A	26	2	9	29	2:L eng :Stefanuc, 10 R, 12U 2, 11U 2, 7A,9 A, 8 A, 11U1, 11ar, 12 A, 12 S, 10 ...	5:L rom :Lungu A 5B, 7B, 9A, 8B , 10R,	...	4...	1...
9B	9B	23	1	9	29	2:L rusă:juscov 6A,6B,,5B,5A,5C,7C,8A,8B,8C,9A,9B,9C	4:Matematică:Mindrescu 9A, 7A, 9B, 10U ,12 Ar. 12 U2 ,	...		
9C	9C	23	1	9	29	2:L rusă:juscov 6A,6B,,5B,5A,5C,7C,8A,8B,8C,9A,9B,9C	4:Matematică:Borta N 5B, 5C , 9C,	...		
10 R	10 R	25	2	10	30	5:Matematică:Botnari 6A, 7C, 10R, 12U1 ,8A,				
10 U	10 U	36	2	10	28	3:L fran II:Olaru 11U2, 10U, 12U1,:2	5:L rom:Stratan E.10U, 11R, 11Ar.,12U2,12 Ar,12 Sp.,	...	3...	
11 Ar	11 Ar	15	1	11	23					
11 ...	11 ...	28	2	11	29	3:L fran II:Bo Lea T 11U1, 12U2:2	5:L rom :Bagrii A 5A, 11U1,	...	3...	
11R	11R	23	2	11	30	5:Matematică:Stratan inga 12R, 11U2, 6B, 11R,11U1,				
11...	11...	28	2	11	29	3:L fran II:Olaru 11U2, 10U, 12U1,:2	5:L rom :Popa N 12U1, 8A, 6B, 11U2, 7A,	...	3...	
12 R	12 R	23	2	12	32					
12 ...	12 ...	14	2	12	24					
12 ...	12 ...	29	2	12	28	3:L fran II:Olaru 11U2, 10U, 12U1,:2	5:L rom :Popa N 12U1, 8A, 6B, 11U2, 7A,	...	3...	
12 ...	12 ...	25	2	12	28	3:L fran II:Bo Lea T 11U1, 12U2:2	5:L rom:Stratan E.10U, 11R, 11Ar.,12U2,12 Ar,12 Sp.,	...	3...	
12Ar	12Ar	14	2	12	24	5:L rom:Stratan E.10U, 11R, 11Ar.,12U2,12 Ar,12 Sp.,	3:Matematică:Mindrescu 9A, 7A, 9B, 10U ,12 Ar. 12 U2 ,	...		

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# “Class” Screen

Course description showing groups - details

**Class 8A has 2 English groups, each 2 lectures a week**

This is because 8A has more than 25 students. **Group 1** taught by **Budoian** and **group 2** by **Stefanuc**.

```
2:L. eng:Budoian A 11U1 11Ar,12 R,6B, 9A, 7A, 11R,11u2, 12U1, 7B,8A,, 12 R,:1
2:L. eng :Stefanuc, 10 R, 12U 2, 11U 2, 7A,9 A, 8 A, 11U1, 11ar, 12 A ,12 S, 10 U:2
2:L. eng:Mindru 6B,5B,10U,5C, 5A, 5C, 8B.1
2:L. franc:Olaru 11U2, 12R, 10R, 10U, 11R, 12U1, 7C, 8B, :2
```

**Class 8B has 1 English and 1 French section, each 2 lectures a week**

Group 1 is English taught by Mindru and group 2 is French taught by Olaru.

The course entry has 4 fields separated by a colon (:)

```
2:L. eng:Budoian A 11U1 11Ar,12 R,6B, 9A, 7A, 11R,11u2, 12U1, 7B,8A,, 12 R,:1
```

**Name of course**

**Course Description**

**Group Number**

**Number of lectures per week**

This can be hidden using “Preferences”

This is only displayed if the class is divided into sub-groups

# “Classroom” Screen

## Special purpose

For example Chemistry or Computer Lab (Room 405 is a computer Lab).

**Room can be shared by many classes during the same lecture period**

For example “sala sport”

## School room

= **class name** (eg 8A) if students stay in this room and teachers move from room to room

or

= **name(s) of teacher(s)** if teachers stay in this room and students move from room to room

## Room name

The screenshot shows the 'Rooms' screen in the Class Scheduler V2.39 application. The window title is 'Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru'. The menu bar includes 'File', 'Clear Messages', 'Preferences', 'Courses', 'Teachers', 'Classes', 'Rooms', and 'Scheduling'. The 'Rooms' menu item is circled in red. Below the menu bar is a toolbar with 'Print', 'Update', 'Refresh', 'Add', and navigation arrows. The main area contains a table with columns: 'Delete', 'Save', 'ID', 'Name', 'Special', 'Class...', 'Room's Teacher', and 'Room's Teacher'. The table lists 34 rooms with their respective IDs, names, and teachers. The 'Delete' column has checkboxes, and the 'Save' column has checkboxes. The 'Special' column has checkboxes, and the 'Class...' column has checkboxes. The 'Room's Teacher' column has text entries. The room with ID 405 is highlighted in blue and has a checkmark in the 'Special' column. Annotations with arrows point to various elements: 'Special purpose' points to the 'Special' column; 'Room can be shared by many classes during the same lecture period' points to the 'Class...' column; 'School room' points to the 'Room's Teacher' column; 'Room name' points to the 'Name' column; 'Identification (ID)' points to the 'ID' column; 'Update' points to the 'Update' button; and 'Delete' points to the 'Delete' column.

Delete	Save	ID	Name	Special	Class...	Room's Teacher	Room's Teacher
<input type="checkbox"/>	<input type="checkbox"/>	34	108	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	26	109	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	14	110	<input type="checkbox"/>	<input type="checkbox"/>	Cvasniuc	Chitroaga I
<input type="checkbox"/>	<input type="checkbox"/>	27	218	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	15	219	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	35	220	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	20	221	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	5	228	<input type="checkbox"/>	<input type="checkbox"/>	Enache	Tulbu
<input type="checkbox"/>	<input type="checkbox"/>	9	229	<input type="checkbox"/>	<input type="checkbox"/>	Borta N	
<input type="checkbox"/>	<input type="checkbox"/>	8	304	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	23	305	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	16	307	<input type="checkbox"/>	<input type="checkbox"/>	Cossodan	
<input type="checkbox"/>	<input type="checkbox"/>	24	308	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	29	309	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	13	311	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	21	312	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	12	313	<input type="checkbox"/>	<input type="checkbox"/>	Ursu Z	
<input type="checkbox"/>	<input type="checkbox"/>	6	318	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	28	319	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	36	320	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	37	321	<input type="checkbox"/>	<input type="checkbox"/>	Bricicari	
<input type="checkbox"/>	<input type="checkbox"/>	31	322	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	19	401	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	2	402	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	1	403	<input type="checkbox"/>	<input type="checkbox"/>	Gheciu	
<input type="checkbox"/>	<input type="checkbox"/>	4	405	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

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# Working with “Schedules”

## Copy (a schedule)

Make an identical schedule from an existing one, giving the new schedule a new name.

## Display schedule by class

## Display schedule by teacher

## Display schedule by room

## Display compressed schedule by class

## Display compressed schedule by teacher

(Also shows number of hours scheduled)

## Display schedule for one teacher

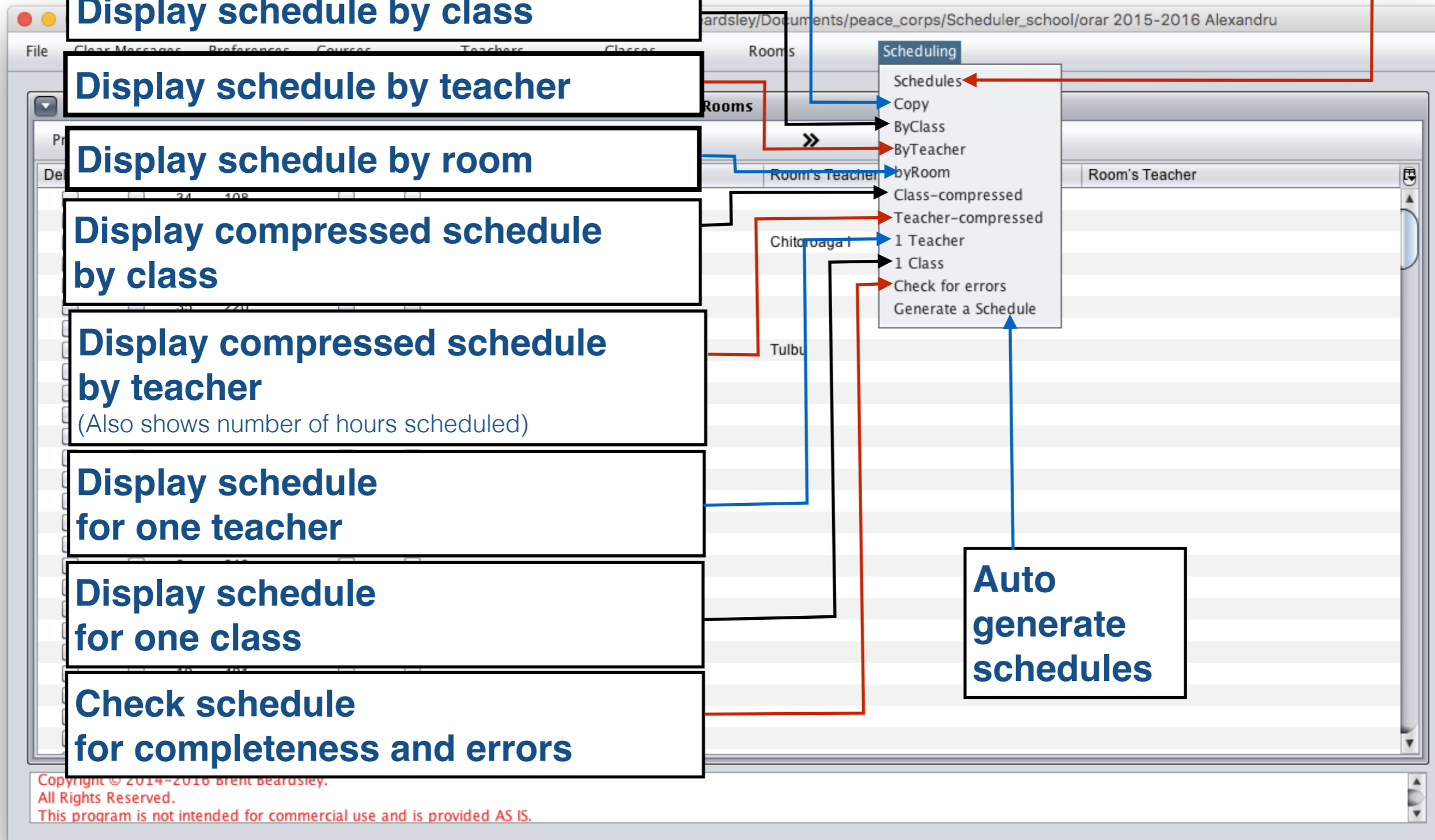
## Display schedule for one class

## Check schedule for completeness and errors

## Display “Schedules” screen

Change screen to display all of the schedules (and related information) in this database.

## Auto generate schedules



# “Schedules” Screen

## Active Schedule

Indicates which schedule is to be displayed or edited by other scheduling screens.

✓ to make active

**Description** (optional)  
**Schedule name**

## Score

The program produces a score to determine the relative merits of the different schedules it generates. The lower the score the better the schedule. **Note:** You can manually create a schedule and let the program check its validity. In this case, no score.

Delete	Save	Active	ID	Name	Description	Score
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	35	Best Schedule		47329.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Lipsa versiunii		0.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	face		0.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	69	face#0#2016-06-23#5005.0		50050.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	70	face#1#2016-06-23#1543.0		154306.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	71	face#2#2016-06-23#4146.0		414659.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72	face#3#2016-06-23#6473.0		647306.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	68	face#4#2016-06-21#3535.0		353500.0

One can tell from the names (see below) that these are program generated schedules. We recommend you rename the ones you want to keep. **Warning:** If they are not renamed, older program-generated schedules will be **replaced** with newer program-generated versions when the next schedule generate is run.

3 “#” signs separate the 4 fields

face#0#2016-01-29#43311.0

Quality ranking (0,1,2, ...)  
 • 0 is the best

Date generated

Score

## Name of base schedule:

You must give a base (starting) schedule name anytime you want the program to generate schedules. See later.

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# Recommended Sequence

1. Set preferences
2. Add courses/subjects
3. Add teachers
4. Add classes (e.g. 7A)
5. Add classrooms
6. Add a starting schedule
7. Run the auto schedule generation (using the starting schedule)
8. Display schedule
9. Rename schedule
10. Export the class schedule to Excel for printing

# 1. Add/Edit a course/subject

(edit only, not shown on add)

Identification (ID)

Delete

Update

Course name

You

- type in or
- choose from the drop-down list

Size

Maximum number of students allowable in one class for this course (not actual class size)

Edit a Course

ID: 80  Delete  Save

Name Chimie

Size 40

Description Gheciu N 10R, 10U, 12R, 1

Add or Delete Required Rooms

Select Room

Add

List of rooms

Select rooms you would like to delete

OK Cancel

# 1. Add/Edit a “Course”/subject

**Course name**

**Description** (optional) Useful when assigning courses to classes. E.g.

**Foreign languages**

<b>French:</b>	<b>Ion</b>	<b>6, 7A, 7B, 8, 9, 10U, 11U, 12U</b>
<b>English:</b>	<b>Maria</b>	<b>5, 7A, 8, 9, 10U, 11U, 12U</b>
<b>English:</b>	<b>Radu</b>	<b>6, 7A, 7B, 7C, 10R, 11R, 12R</b>

**Romanian**

**Elena:** 5, 6, 7A, 8, 9  
**Nina:** 7B, 10U, 10R, 11U, 11R, 12U, 12R

**USEFUL**

Dialog box details: ID: 80, Delete, Save, Name: Chimie, Size: 40, Description: Gheciu N 10R, 10U, 12R, 11R, 12U1, 11U1, 11R, 11U 2. Buttons: OK, Cancel.

# 1. Add/Edit a “Course”/subject

Not using the description

- 4 teachers for Limbă Română
- Prof A, 10-25 hours per week
  - Prof B, 10-20 hours per week
  - Prof C, 12-20 hours per week
  - Prof D, 15-28 hours per week

Subjects		
Name	Description	Max size
L rom		28

Teachers			
Name	Min hour	Max hour	Teaches
A	10	25	L rom
B	10	20	L rom
C	12	20	L rom
D	15	28	L rom

<del>Classes</del>			
Name	Subject	hrs/week	Teacher
5	L rom	6	A
6	L rom	6	B
7	L rom	5	C
8	L rom	5	D
9	L rom	5	C
10R	L rom	4	B
10U	L rom	5	C
11R	L rom	4	D
11U	L rom	5	A
12R	L rom	4	D
12U	L rom	5	C

- Create **ONE** subject (L rom),  
*note “description” not used*
- Create the 4 L. rom teachers
- Create the classes and the L rom requirement
- Run generate schedule. The program assigns teachers to classes.
- But teacher A is the least experienced and Teacher C is the most experienced. You really want:
  - Teacher A to teach forms 5 & 6
  - Teacher B to teach forms 7, 8 & 9
  - Teacher C to teach the 10U, 11U & 12U forms
  - Teacher D to teach the 10R, 11R & 12 R forms

# 1. Add/Edit a “Course”/subject

## Using the description

- Create **FOUR** subjects (L rom), use the description to distinguish them.
- Create the 4 teachers
- Create the classes and the L rom requirement
- Run generate schedule. The program assigns teachers to classes.
- Some adjunct directors like to put the classes a teacher teaches in the description field to help them when they add the subject requirements to the classes

<b>Subjects.</b>		
Name	Description	Max size
L rom	A 5, 6	28
L rom	B 7, 8, 9	28
L rom	C 10U, 11U, 12U	28
L rom	D 10R, 11R, 12R	28

<b>Teachers</b>			
Name	Min hour	Max hour	Teaches
A	10	25	L rom: A
B	10	20	L rom: B
C	12	20	L rom: C
D	15	28	L rom: D

<b>Classes.</b>			
Name	Subject	hrs/week	Teacher
5	L rom: A	6	A
6	L rom: A	6	A
7	L rom: B	5	B
8	L rom: B	5	B
9	L rom: B	5	B
10R	L rom: D	4	D
10U	L rom: C	5	C
11R	L rom: D	4	D
11U	L rom: C	5	C
12R	L rom: D	4	D
12U	L rom: C	5	C

# 1. Add/Edit a “Course”/subject

**Course name**

ID: 80  Delete  Save Name Chimie Size 40

Description Gheciu N 10R, 10U, 12R, 11R, 12U1, 11U1, 11R, 11U 2

Add or Delete Required Rooms

Select Room

Add

List of rooms

Select rooms you would like to delete

**Description** (optional) Useful when assigning courses to classes. E.g.

Foreign languages

French:	Ion	6, 7A, 7B,	8, 9, 10U, 11U, 12U
English:	Maria	5, 7A,	8, 9, 10U, 11U, 12U
English:	Radu	6, 7A, 7B, 7C,	10R, 11R, 12R

Romanian

Elena: 5, 6, 7A, 8, 9

Nina: 7B, 10U, 10R, 11U, 11R, 12U, 12R

This box is used to select a specific room for this course. This is used when the course requires a special room (e.g. chemistry lab or computer lab).

OK Cancel



# 2. Add/Edit a "Teacher"

(edit only, not shown on add)  
Identification (ID)

Delete Update

Minimum hours per week

Maximum hours per week

Teacher name

Days & hours when teacher **NOT** available

ID	Name	Min hours	Max hours	Courses
26	Gheciu	5	14	Chimia :Gh...
27	Gheciu Z	5	35	Biologia:G...
30	Iasinschi	5	40	Ed. fiz:lasi...
3	Iuzvac	5	35	Dirigent:luz... L. eng:iuzv... Lit. univers...
49	Juscov S.	5	35	Dirigent:Ju... L. rus:jusc...
11	Lungu	5	35	Dirigent:Lu... Dirigentie:L... L. rom:Lu...
46	Lungu V	5	35	Dirigent:lun... Istoria:Lun...

## Add courses

1 Select course from pulldown list

2 Add

3 Course will display

Repeat 1, 2

# 3. Add/Edit a "Class" (1/8)

**Actual size of class**  
(students)

**General information**

**Class name**  
Can be Roman (VIIA) or Arabic numerals (7A)

**Number of groups**  
(usually no more than 3)

**Grade (Form)**

**Short class name**  
(should be in Arabic numerals)

(edit only, not shown on add)

Delete

Update

Update Class, ID: 23

Delete  Save

Name: 8A Short Name: 8A

Size: 26 Number of Groups in Class: 2 Grade: 8

**Add/Delete Course Requirements**  
Course Selection: [dropdown]  
 Allow to be combined with another class  
Sessions/Week: [input] Entire Class: [dropdown]  
Add: [button]  
List of Courses: [list]  
Select Courses you would like to delete: [list]

**Specify which courses to schedule at same time**  
Add / Select an aggregate: [dropdown]  
Add a new aggregate: [dropdown]  
Edit the selected aggregate: [input]  
 Delete  
Add course to aggregate: [dropdown]  
List of courses in aggregate: [list]  
Select course you would like to remove from aggregate: [list]  
Save aggregate: [button]

**Class not in session times**  
Select the day: [dropdown]  
Select the time: [dropdown]  
Add: [button]  
List of times no class: [list]  
Select times you would like to delete: [list]

OK Cancel

Specify hours when class does **NOT** meet (rarely used)

# 3. Add/Edit a “Class” (2/8)

## Specifying when it does **NOT** meet

Class not in session times

Select the day

Select the time

List of times no class

Select times you would like to delete

1. Select day or “all week”

2. Select hour or “all day”

3. Add selection to list

Display list of hours **NOT** to schedule classes

Steps	Example 1	Example 2	Example 3
1	Monday	All week	Friday
2	Hour 1	Hour 7	All day

# 3. Add/Edit a "Class" - Add courses (3/8)

1. Select a course (already defined previously)
2. permit class to combine? No (usually)
3. Number of hours per weeks
4. Group number (1,2 or 3) or (normally) entire class
5. Add
6. Repeat 1-5 until all courses for this class have been added

Update Class, ID: 23

Delete  Save

Name: 8A Short Name: 8A

Size: 26 Number of Groups in Class: 2 Grade: 8

**Add/Delete Course Requirements**

Course Selection:  (1)

Allow to be combined with another class (2)

Sessions/Week:  (3) Entire Class:  (4)

(5)

List of Courses

Select Courses you would like to delete

- 2:Biologie:Timuta 9A,9B,9C,8A, 8B,8C,10U,
- 2:Chimie:Ceban 9A,9B,9C, 8A, 8B, 8C
- 1:Dirigenția:Tulbu 8A
- 1:Ed civică:Tihon Ina 8A,8B, 8C,7A, 7B, 7C,
- 2:Ed fizică:Iasinschi ,5C,6A6B, 6C, 7A, 7B,
- 1:Ed. muzica:Fintinari 5A,5B, 5C, 6A, 6B,

**Specify which courses to schedule at same time**

Add / Select an aggregate

Add a new aggregate:

Edit the selected aggregate

Delete

Add course to aggregate: Ed. tehn:Oaserele D 5A, 5B,:1

List of courses in aggregate

Select course you would like to remove from aggregate

**Class not in session times**

Select the day: Luni

Select the time: 1

List of times no class

Select times you would like to delete

# 3. Add/Edit a “Class” (4/8)

## Groups and aggregating them

Name	Short name	Course name	Course description	Number of students	Section number	(same) Hours	
VIII-A	8A	Franc	Ana 5,6,7,8A	7	1	??	??
		Engl	Ion 8A,9,12	20	2		

- 1 Select a course Franc:Ana 5,6,7,8A
- 2 permit class to combine? **No**
- 3 Number of hours per weeks 2
- 4 Group number (1,2 or 3) **or** entire class
- 5 Add

- 1 Select a course Engl:Ion 8A,9,12
- 2 permit class to combine? **No**
- 3 Number of hours per weeks 2
- 4 Group number (1,2 or 3) **or** entire class
- 5 Add

- 6 Select “Add a new aggregate”
- 7 Select Franc:Ana 5,6,7,8A:1
- 8 Select Engl:Ion 8A,9,12:2
- 9 Save the aggregate

Update Class, ID: 23

Delete  Save Name  Short Name

Size  Number of Groups in Class  Grade

Add/Delete Course Requirements

Course Selection

Allow to be combined with another class

Sessions/Week  Entire Class

List of Courses

Select Courses you would like to delete

- 2:Biologie:Timuta 9A,9B,9C,8A, 8B,8C,10U
- 2:Chimie:Ceban 9A,9B,9C, 8A, 8B, 8C
- 1:Dirigenția:Tulbu 8A
- 1:Ed civică:Tihon Ina 8A,8B, 8C,7A, 7B, 7C
- 2:Ed fizică:Iasinschi ,5C,6A6B, 6C, 7A, 7B
- 1:Ed. muzica:Fintinari 5A,5B, 5C, 6A, 6B, 6C

Specify which courses to schedule at same time

Add / Select an aggregate

Add a new aggregate

Edit the selected aggregate

Delete

Add course to aggregate

List of courses in aggregate

Select course you would like to remove from aggregate

# 3. Add/Edit a "Class" (5/8)

**Groups** and **aggregating** them and **permit** class to combine

After general information has been entered for class 9A

- 1 Select a course Franc: Maria 5,6,7,9A,9B
- 2 permit class to combine? **Yes**
- 3 Number of hours per weeks 2
- 4 Group number (1,2 or 3) or entire class
- 5 Add

- 1 Select a course Engl: Elena 5,6,7,9A
- 2 permit class to combine? **No**
- 3 Number of hours per weeks 2
- 4 Group number (1,2 or 3) or entire class
- 5 Add

- 6 Select "Add a new aggregate"
- 7 Select Franc: Maria 5,6,7,9A,9B:1
- 8 Select Engl: Elena 5,6,7,9A:2
- 9 Save the aggregate

After general information has been entered for class 9B

- 1 Select a course Franc: Maria 5,6,7,9A,9B
- 2 permit class to combine? **Yes**
- 3 Number of hours per weeks 2
- 4 Group number (1,2 or 3) or entire class
- 5 Add

- 1 Select a course Vada 8,9B,10,11,12
- 2 permit class to combine? **No**
- 3 Number of hours per weeks 2
- 4 Group number (1,2 or 3) or entire class
- 5 Add

- 6 Select "Add a new aggregate"
- 7 Select Franc: Maria 5,6,7,9A,9B:1
- 8 Select Vlada 8,9B,10,11,12:2
- 9 Save the aggregate

Name	Short name	Course name	Course description	Number of students	Section number	(same) Hours	
IX-A	9A	Franc	Maria 5,6,7,9A,9B	4	1	??	??
		Engl	Elena 5,6,7,9A	20	2		
IX-B	9B	Franc	Maria 5,6,7,9A,9B	5	1		
		Engl	Vlada 8,9B,10,11,12	18	2		

# 3. Add a “Class” (6/8)

OPTIONAL:

Fill in (copy) the rest of the information for this class from class

Information can be edited after the copy

This allows you to copy most of the information from another class

New Class

Name  Short Name

OPTIONAL: Fill in (copy) the rest of the information for this class from class  Information can be edited after the copy

Size  Number of Groups in Class  Grade

Add/Delete Course Requirements

Course Selection

Allow to be combined with another class

Sessions/Week  Entire Class

Add

List of Courses

Select Courses you would like to delete

Specify which courses to schedule at same time

Add / Select an aggregate

Add a new aggregate

Edit the selected aggregate

Delete

Add course to aggregate

List of courses in aggregate

Select course you would like to remove from aggregate

Class not in session times

Select the day

Select the time

Add

List of times no class

Select times you would like to delete

# 3. Add a "Class" (7/8)

Select the class you want to copy from the pull down list...

The screenshot shows the 'New Class' dialog box with the following fields and sections:

- Name:** 8B
- Short Name:** 8B
- Size:** 40
- Number of Groups in Class:** (empty)
- Grade:** 0
- Class not in session times:** Select the day: Luni, Select the time: 1
- Class Selection:** (empty)
- Specify which courses:** Add / Select an aggregate, Add a new aggregate
- Edit the selected aggregate:** Delete, Add course to aggregate
- List of Courses:** Select Courses you would like to delete
- List of courses in aggregate:** Select course you would like to remove from aggregate
- List of times no class:** Select times you would like to delete

Annotations include purple circles around the Size, Number of Groups in Class, Grade, Class Selection, List of Courses, List of courses in aggregate, and List of times no class fields. A dashed orange arrow points from the text 'Select the class you want to copy from the pull down list...' to the '8A' option in the 'Specify which courses' dropdown menu. A pink note says 'Information can be edited after the copy'.



# 3. Add a "Class" (8/8)

And the data will be copied

The screenshot shows a 'New Class' dialog box with the following fields and sections:

- Name:** 8B
- Short Name:** 8B
- OPTIONAL:** Fill in (copy) the rest of the information for this class from class **8A**. Information can be edited after the copy.
- Size:** 26
- Number of Groups in Class:** 2
- Grade:** 8
- Add/Delete Course Requirements:**
  - Course Selection: [Empty]
  - Allow to be combined with another class
  - Sessions/Week: [Empty] Entire Class [Dropdown]
  - Add [Button]
  - List of Courses: Select Courses you would like to delete
    - 2:Biologie:Timuta 9A,9B,9C,8A, 8B,8C,10U,
    - 2:Chimie:Ceban 9A,9B,9C, 8A, 8B, 8C
    - 1:Dirigenția:Tulbu 8A
    - 1:Ed civică:Tihon Ina 8A,8B, 8C,7A, 7B, 7C,
    - 2:Ed fizică:Iasinschi ,5C,6A6B, 6C, 7A, 7B,
    - 1:Ed. muzica:Fintinari 5A,5B, 5C, 6A, 6B,
- Specify which courses to schedule at same time:**
  - Add / Select an aggregate: Ed. tehn:Oaserele D 5A:1, Ed. tehn :Slovo V 5A, 5:2
  - Edit the selected aggregate
    - Delete
    - Add course to aggregate: Ed. tehn:Oaserele D 5A, 5B,:1
    - List of courses in aggregate:
      - Ed. tehn:Oaserele D 5A, 5B, ,:1
      - Ed. tehn :Slovo V 5A, 5B, 5C, :2
    - Select course you would like to remove from aggregate: [Empty]
  - Save aggregate [Button]
- Class not in session times:**
  - Select the day: Luni
  - Select the time: 1
  - Add [Button]
  - List of times no class: [Empty]
  - Select times you would like to delete: [Empty]

Buttons: OK, Cancel

# 4. Add/Edit a “Classroom” (1/3)

Set in “Preference”: For schools where students move but each teacher has his/her own classroom

- 1 Classroom name
- 2 Is it a special classroom (e.g. sport salon, chemistry lab, computer lab) or a regular classroom (room number, etc.)
- 3 Can many classes share this room? (E.g. the sport salon is big enough accommodate up to a few classes at a time)
- 4 Select teacher from the list of teachers previously defined
- 5 Add

Repeat steps 4 & 5 as necessary. Example below: 3 part-time teachers share a classroom

For edit

Update a room

ID: 5  Delete  Save Name 228  Special Purpose  Classes share

Add/Delete Teachers

Select Teacher

List of Teachers

Select Teachers you would like to delete

Amarii  
Enache  
Tulbu

OK Cancel

# 4. Add/Edit a “Classroom” (2/3)

Set in “Preference”: For schools where teachers move but each class of students has its own classroom

- 1 Classroom name
- 2 Is it a special classroom (e.g. sport salon, chemistry lab, computer lab) or a regular classroom (room number, etc.)
- 3 Can many classes share this room? (E.g. the sport salon is big enough accommodate up to a few classes at a time)
- 4 Select class from the list of classes previously defined
- 5 Add

Update a room

For edit

ID: 5  Delete  Save Name 228 1  Special Purpose  Classes share 3

Add/Delete Classes

Select Class 6A 4

5 Add

List of Classes

Select Classes you would like to delete

6A

OK Cancel

# 4. Add/Edit a "Classroom" (3/3)

If Special is selected, you add courses to room rather than teachers or classes

Update a room

ID: 4  Delete  Save

Name: 405  Special Purpose  Classes share

Add/Delete Courses

Course Selection: [Dropdown]

Add

List of Courses

Select Courses you would like to delete

- Informatică:Balic S 10U, 12 R, 11U1, 11R, 11A
- Informatică:Balic V 8C, 12U1, 7B, 7C, 8B, 12A

OK Cancel

Edit a Course

ID: 80  Delete  Save Name: Chimie Size: 40

Description: Gheciu N 10R, 10U, 12R, 11R, 12U1, 11U1, 11R, 11U 2

Add or Delete Required Rooms

Select Room: [Dropdown]

Add

List of rooms

Select rooms you would like to delete

This box is used to select a specific room for this course. This is used when the course requires a special room (e.g. chemistry lab or computer lab).

OK Cancel

You and also add special rooms to courses in the Add/Edit Course screen

# 5. "Schedule" Screen (1/2)

**Remember this?**

To add a new Schedule  
Click add

Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru

File Clear Messages Preferences Courses Teachers Classes Rooms Scheduling

Schedules

Print Update Refresh **Add** << < > >>

Delete	Save	Active	ID	Name	Description	Score
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	35	Best Schedule		47329.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Lipsa versiunii		0.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	face		0.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	69	face#0#2016-06-23#5005...		50050.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	70	face#1#2016-06-23#1543...		154306.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	71	face#2#2016-06-23#4146...		414659.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72	face#3#2016-06-23#6473...		647306.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	68	face#4#2016-06-21#3535...		353500.0

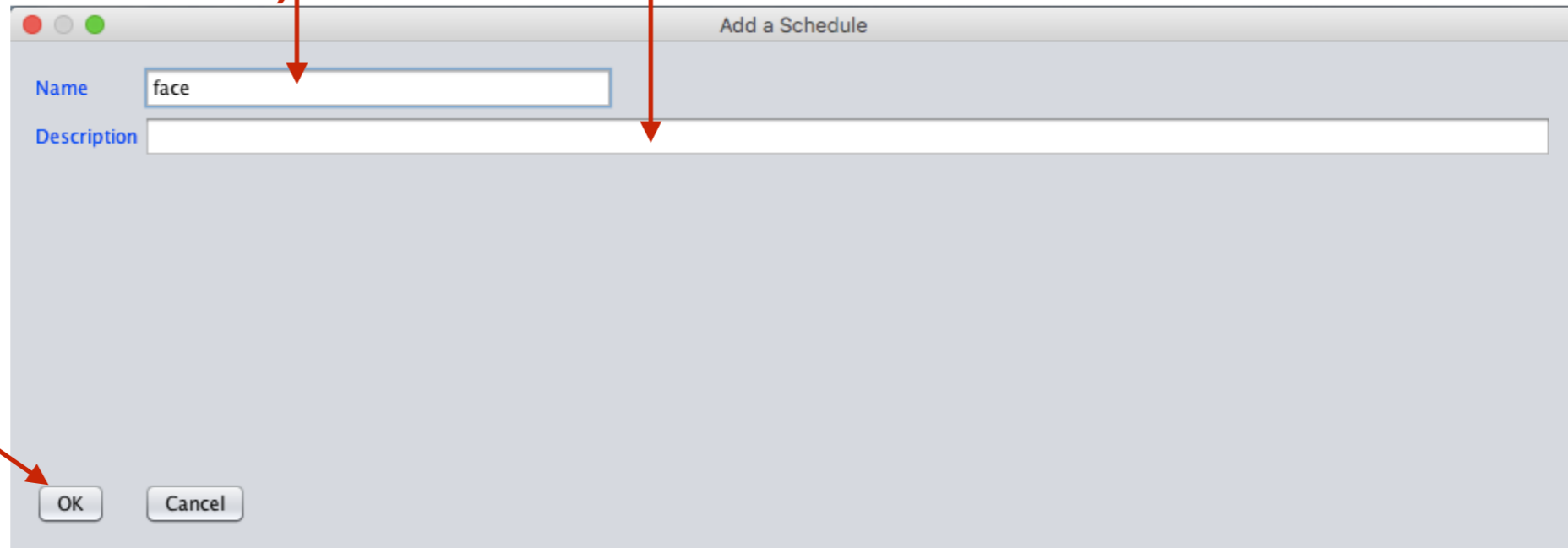
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# 5. Add a “Schedule” (2/2)

**1. Type in the schedule name  
(Remember this name !!)**

**2. Type in description**  
if you have addition information that you wish to record

**3. Click ok**



The screenshot shows a dialog box titled "Add a Schedule". It has two text input fields: "Name" and "Description". The "Name" field contains the text "face". The "Description" field is empty. At the bottom of the dialog box, there are two buttons: "OK" and "Cancel". Red arrows point from the instructions to the "Name" field, the "Description" field, and the "OK" button.

# 6. "Auto Generate Schedules" (1 of 4)

## Copy (a schedule)

Make an identical schedule from an existing one, giving the new schedule a new name.

## Display schedule by class

## Display schedule by teacher

## Display schedule by room

## Display compressed schedule by class

## Display compressed schedule by teacher

(Also shows number of hours scheduled)

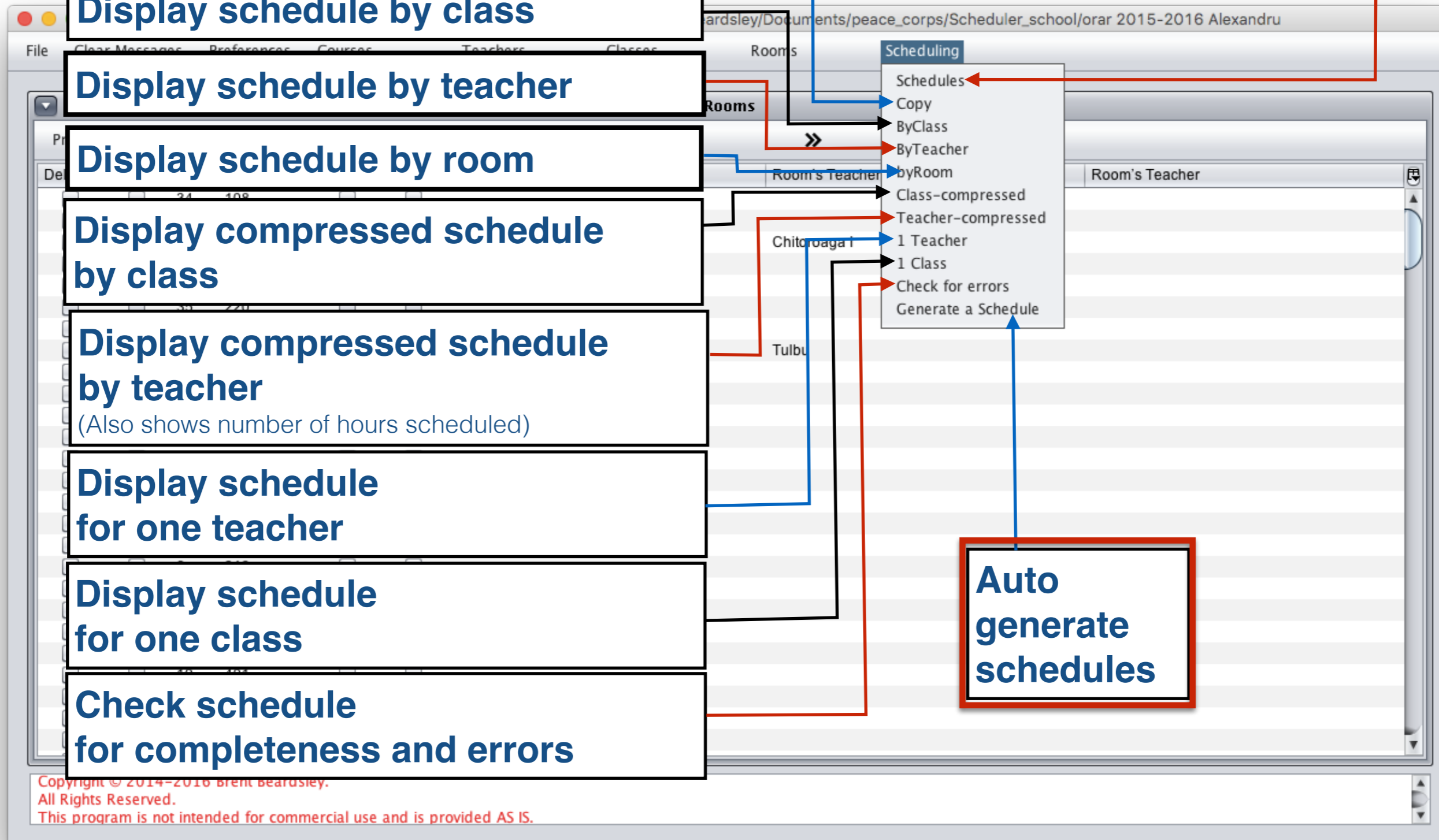
## Display schedule for one teacher

## Display schedule for one class

## Check schedule for completeness and errors

## Display "Schedules" screen

Change screen to display all of the schedules (and related information) in this database.



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# 6. "Auto Generate Schedules" (1 of 3)

1. **Choose a seed schedule** (name from 5.Add "Schedule")
2. **Change options you wish**
3. **Push start**

The screenshot shows a dialog box titled "Generate a Schedule" with the following fields and annotations:

- Maximum number of iterations:** Input field with value "100000" and a red "2" annotation.
- Discontinue generation when this number of valid schedule variants reached:** Input field with value "10000" and a red "2" annotation.
- The number of best valid schedule variants to retain:** Input field with value "5" and a red "2" annotation.
- The seed or template schedule from which to generate the schedules:** Dropdown menu with value "1" and a red "1" annotation.
- The latest preferred time/hour to schedule classes:** Dropdown menu with value "5" and a red "2" annotation.
- Select method:** Dropdown menu with value "Takes shorter time" and a red "2" annotation.

At the bottom, there are two buttons: "Start" with a red "3" annotation and "Cancel".



# 6. "Auto Generate Schedules" (2 of 3)

## To halt auto generator, push **Stop**

The program will finish its current schedule attempt, then save the best schedules and stop

### Status:

- 1 Running, Fatal Error encountered, Generation stopped by user, or Generation Completed
- 2 Number of attempts so far
- 3 Number of successes so far
- 4 Score of the best successful attempt so far

The screenshot shows a window titled "Generate a Schedule" with the following settings and status:

Setting	Value
Maximum number of iterations	100000
Discontinue generation when this number of valid schedule variants reached	10000
The number of best valid schedule variants to retain	5
The seed or template schedule from which to generate the schedules	face
The latest preferred time/hour to schedule classes	5
Select method	Takes shorter time

Buttons: "Show course analysis" and "Stop" (circled in red).

Status	Value
1	Running
2	4
3	1
4	144396.0

# 6. "Auto Generate Schedules" (3 of 3)

Auto Generation has stopped, push **close** to close the screen

The screenshot shows a window titled "Generate a Schedule" with the following configuration options and status information:

Configuration Option	Value
Maximum number of iterations	100000
Discontinue generation when this number of valid schedule variants reached	10000
The number of best valid schedule variants to retain	5
The seed or template schedule from which to generate the schedules	face
The latest preferred time/hour to schedule classes	5
Select method	Takes shorter time

Buttons: "Show course analysis" and "Close" (circled in red).

Status Information	Value
Status	Generation stopped by user
Number of iterations completed	223
Number of good Schedules generated	40
Best Score so far, the lower the score the better	45050.0

# Display and edit schedules

- **Display** schedule by **class/teacher/classroom**, etc.
- Auto-generated schedules can be **changed manually**.
- Can **manually enter part of a schedule**, then auto-generate the rest.
  - Program will check consistency as well.
- Can **manually enter the entire schedule**.
  - Program will **check for human errors**.

# Remember? Working with "Schedules"

Can edit a schedule from

~~Copy (a schedule)~~

~~Make an identical copy of an existing one, giving the new schedule a new name.~~

Display schedule by class

Display schedule by teacher

Display schedule by room

Display compressed schedule by class

Display compressed schedule by teacher

(Also shows number of hours scheduled)

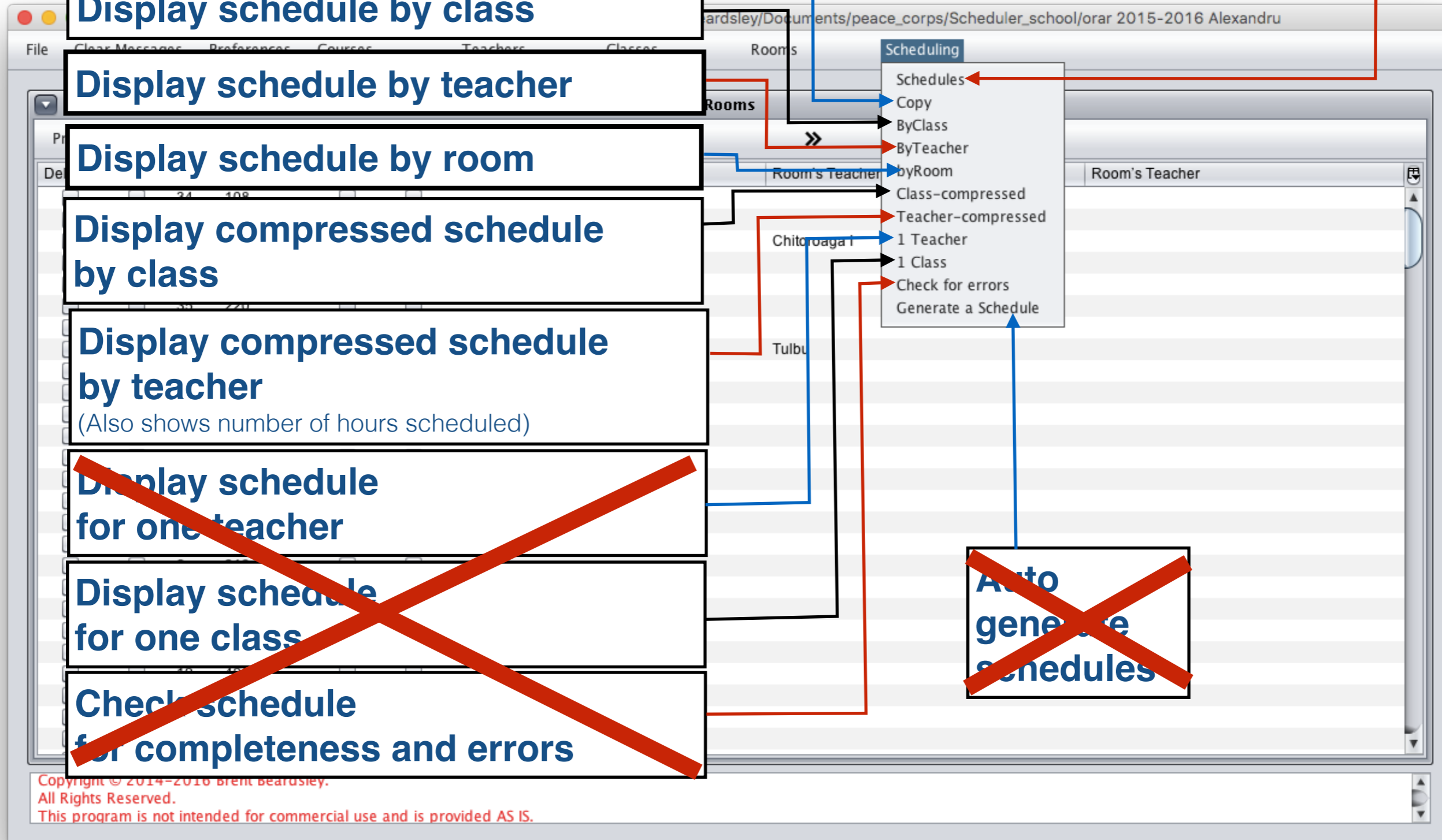
~~Display schedule for one teacher~~

~~Display schedule for one class~~

~~Check schedule for completeness and errors~~

~~Display "Schedules" screen~~

~~Change screen to display all of the schedules (and associated information) in this database.~~



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# 7a. Display schedule by class

Days & hours

Classes

Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru

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School Schedule by Class, for schedule: Best Schedule

Print Update Refresh Add << < > >>

Day & Time	5 B	5 C	5A	6A	6B	6C	7A
Luni 1	L rom :Lungu:221	Dirigenția:Borta N:229	Istorie:Amarii:228	L rom :Coadă V:219	1:L eng:Mindru:307	L și lit rom:Ursu:322	L rom :Popa:218
Luni 2	Dirigenția:Lungu:221	Matematică:Borta N:110	Ed fizică:Slovo M:Sala s...	Matematică:Botnari :229	Ed. plas:Slovo V.:109	L și lit rom:Ursu:322	Biologie:Ceban:403
Luni 3	Ed. muzica:Fintinari:108	L eng:Mindru:307	Dirigenția:Slovo V.:219	Matematică:Botnari :229	2:L eng:Budoian :407	Istorie:Bricicari:321	Fizică:Stratan ion:309
Luni 4	Matematică:Borta N:308	Op. toleranta:Trifan Cari...	L rom :Bagrii:318	Ed. plas:Slovo V.:220	L rom :Popa:218	Ed civică:Bricicari:321	Informatică:Balic V:406
Luni 5	L rusă:Juscov S.:320		Matematică:Balic V:406	2:L eng:Ursu:322	Fizică:Stratan ion:309	Dirigenția:Ceban:403	1:L eng:Budoian :407/2:L...
Luni 6	Ed civică:Bricicari:321	L rom :Coadă V:219			OP Inform:Borta N:109	Matematica :Rusu N.:220	Matematică:Mindrescu:312
Luni 7							
Marti 1	Op. toleranta:Trifan Cari...	Matematică:Borta N:229	L rusă:Juscov S.:320	L rom :Coadă V:219	Matematică:Stratan ing...	Ed. plas:Slovo V.:318	1:L eng:Budoian :407/2:L...
Marti 2	Istorie:Amarii:228	Ed. tehn :Slovo V.:220	1:L eng:Mindru:307/2:L ...	L rom :Coadă V:219	L rom :Popa:218	Istorie:Bricicari:321	Istorie:Lungu V :319
Marti 3	1:L eng:Mindru:307	Geografie:Ursu Z:318	Istorie:Amarii:228	Istorie:Bricicari:321	L rom :Popa:218	L și lit rom:Ursu:322	Chimie:Ceban:403
Marti 4	Ed. plas:Slovo V.:220		L rom :Bagrii:318	Dirigenția:luzvac:401	Geografie:Ursu Z:313	L și lit rom:Ursu:322	L rom :Popa:218
Marti 5	1:Ed. tehn:Oaserele D:2...	L rom :Coadă V:219	Matematică:Balic V:406	Ed civică:Bricicari:321	2:L eng:Budoian :407	Ed. muzica:Fintinari:108	OP Inform:Borta N:229
Marti 6	2:L eng:Mindru:307	L rom :Coadă V:219		OP Inform:Borta N:228		L rusă:Juscov S.:320	L rusă:Chitroaga S:406
Marti 7							
Mercuri 1	Istorie:Amarii:228	Biologie:Ceban:403	Matematică:Balic V:406	L rom :Coadă V:219	L rusă:Juscov S.:320	Geografie:Ursu Z:109	Fizică:Stratan ion:309
Mercuri 2	Matematică:Borta N:304	L rusă:Juscov S.:320	1:L eng:Mindru:307/2:L ...	Matematică:Botnari :229	L rom :Popa:218	Matematica :Rusu N.:313	Biologie:Ceban:403
Mercuri 3	L rusă:Juscov S.:320	L eng:Mindru:307	L rom :Bagrii:318	1:L eng:luzvac:401/2:L ...	1:Ed. tehn:Oaserele D:3...	Matematica :Rusu N.:220	L rom :Popa:218
Mercuri 4	L rom :Lungu:221	Ed fizică:lasinschi:220	Ed. muzica:Fintinari:108	Istorie:Bricicari:321	Matematică:Stratan ing...	OP Inform:Borta N:228	Dirigenția:Popa:218
Mercuri 5	L rom :Lungu:221		Ed fizică:Slovo M:Sala s...	Ed fizică:lasinschi:322	Ed. muzica:Fintinari:108		Ed. plas:Slovo V.:228
Mercuri 6	2:L eng:Mindru:307	L rom :Coadă V:219			Ed fizică:lasinschi:220		Matematică:Mindrescu:312
Mercuri 7							
Joi 1	L rom :Lungu:221	Istorie:Amarii:228	L rom :Bagrii:318	1:Ed. tehn:Oaserele D:4...	Matematică:Stratan ing...	L rusă:Juscov S.:320	Ed fizică:lasinschi:312
Joi 2	L rom :Lungu:221	Ed fizică:lasinschi:322	Geografie:Ursu Z:220	L rom :Coadă V:219	Biologie:Ceban:403	Fizică:Stratan ion:309	L rusă:Chitroaga S:108
Joi 3	Matematică:Borta N:229		2:Ed. tehn:Oaserele D:1...	Ed fizică:lasinschi:309	L rom :Popa:218	L eng:luzvac:401	Ed. muzica:Fintinari:108
Joi 4	Matematică:Borta N:108	Ed. plas:Slovo V.:318	Matematică:Balic V:406	Biologie:Ceban:403	Istorie:Bricicari:407	Ed fizică:lasinschi:311	Geografie:Ursu Z:313
Joi 5	Ed fizică:Slovo M:Sala s...	Ed civică:Bricicari:321	Ed. plas:Slovo V.:318	L rusă:Juscov S.:320	1:L eng:Mindru:307	Ed. tehn:Oaserele D:109	Istorie:Lungu V :403

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To add a lecture to an empty hour, select it

To modify, add or delete a lecture, select the hour

2:L. eng:Mindru:307

↑ Course

↑ Teacher

↑ Room

↑ Group number

# Edit a lecture from class schedule screen

**Note: Each "Add" or "Delete" updates the Schedule Display Screen immediately**

**Name: 6B: Luni 7**

1. Courses: Nothing Selected

2. Teachers: Nothing Selected

3. Rooms: Nothing Selected

Show recommended rooms  
 Show all available rooms

**Add**

List of Courses Scheduled at this time  
Select Course Schedules that you want to delete

**Close**

**Course**

**Teacher**

**Classroom**

**Empty (lectures currently scheduled for this hour)**

**Lastly, add new lecture to schedule**

Day & Time	5A	5B
Luni 1	L rusă:Juscov S.:218	L rom :Lu
Luni 2	Matematică:Balic V:406	2:L eng:M
Luni 3	Ed civică:Bricicari:305	Matemat
Luni 4	L rom :Bagrii:322	Ed. plas:
Luni 5	L rom :Bagrii:220	Biologie:
Luni 6	1:L eng:Mindru:402/21	

Day & Time	7A
Luni 7	L rom :Popa:109
Mart 1	L și lit rom:Ursu:313
Mart 2	Matematică:Mindrescu:...
Mart 3	Ed. muzica:Fintinari:304
Mart 4	1:L eng:Budoian :312/2...
Mart 5	229
Mart 6	Matematica :Rusu N.:304
Mart 7	Geografie:Ursu Z:221
Mart 8	Istorie:Lungu V :307
Mart 9	D:3... Matematica :Rusu N.:403
Mart 10	Ed. plas:Slovo V.:221
Mart 11	/1... Matematica :Rusu N.:318
Mart 12	Fizică:Stratan ion:312
Mart 13	ng... L rusă:Juscov S.:318
Mart 14	Matematică:Mindrescu:...
Mart 15	Istorie:Bricicari:402
Mart 16	L rusă:Chitroaga S:321
Mart 17	Ed. plas:Slovo V.:322
Mart 18	Informatică:Balic V:405
Mart 19	Biologie:Ceban:305
Mart 20	L și lit rom:Ursu:319
Mart 21	ng... L rusă:Juscov S.:320
Mart 22	Ed fizică:lasinschi:Sala ...
Mart 23	OP Inform:Borta N:407
Mart 24	Chimie:Ceban:220
Mart 25	la ... Istorie:Bricicari:109
Mart 26	Matematică:Mindrescu:...
Mart 27	05 L eng:luzvac:321
Mart 28	Istorie:Lungu V :221
Mart 29	Fizică:Stratan ion:304
Mart 30	L rom :Popa:401
Mart 31	L și lit rom:Ursu:221
Mart 32	Ed civică:Tihon Ina:320
Mart 33	L și lit rom:Ursu:305
Mart 34	ng... Ed civică:Bricicari:229
Mart 35	L rusă:Chitroaga S:218
Mart 36	/1... L eng:luzvac:218
Mart 37	OP Inform:Borta N:402
Mart 38	Dirigenția:Ceban:305
Mart 39	Dirigenția:Popa:219
Mart 40	Ed. muzica:Fintinari:308
Mart 41	L rom :Popa:309
Mart 42	Ed. tehn:Oaserele D:305
Mart 43	L rom :Popa:322

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## Notes:

- Drop-down lists only offer valid choices
- Choices for class and time are preselected because of entry clicked

# Display schedule by teacher

Days & hours

Teachers

Day & Time	Mindru	Oaserele D	Olaru	Pirau	Popa	Rusu N.	Rîpă A.
Luni 1	8B:1:L eng:305	6A:1:Ed. tehn:320	8B:2:L fran:108		7A:L rom :109		7B:Matematică:221
Luni 2	5B:2:L eng:40		10R:1:L fran:108		12U1:Dirigenția:322		11Ar:Matematică:319
Luni 3		7B:Ed. tehn:228	10U:2:L fran II:108				12Sp:Matematică:309
Luni 4		9C:Ed. tehn:229			6B:L rom :305	8B:Matematica :228	
Luni 5						6C:Matematica :304	
Luni 6	5A:1:L eng:402				8A:L rom :229		
Luni 7	5A:1:L eng:305		10U:1:L fran:309		12U1:L rom :228		
Marti 1	10U:2:L eng:108	6B:1:Ed. tehn:305	12R:2:L fran:320		11U2:L rom :313	6C:Matematica :403	
Marti 2	6B:1:L eng:305			12U2:Chimia :219	11U2:L rom :308	6C:Matematica :318	
Marti 3	5B:2:L eng:319					8B:Matematica :320	12Sp:Matematică:401
Marti 4	5C:L eng:305	5B:1:Ed. tehn:318	11U2:1:L fran:109		6B:L rom :406	8B:Matematica :110	
Marti 5			12U1:2:L fran II:110		6B:L rom :304		7B:Matematică:402
Marti 6		8C:Ed. tehn:219	11U2:2:L fran II:307		12U1:L rom :308		
Marti 7					8A:L rom :304		
Mercuri 1	10U:2:L eng:220		12R:2:L fran:109		11U2:L rom :401		
Mercuri 2		5A:2:Ed. tehn:304	12U1:2:L fran II:406		6B:L rom :313		
Mercuri 3	5B:1:L eng:22		11U2:1:L fran:309	12Sp:Chimie:319			7B:Matematică:108
Mercuri 4			11R:2:L fran:319		8A:L rom :322		
Mercuri 5	5C:L eng:220	9B:Ed. tehn:219	11U2:2:L fran II:319		7A:L rom :401		11Ar:Matematică:313
Mercuri 6					12U1:L rom :307		
Mercuri 7			10U:1:L fran:309				
Joi 1		8B:1:Ed. tehn:401	12R:2:L fran:318				
Joi 2	6B:1:L eng:304		10U:2:L fran II:219		12U1:L rom :406		
Joi 3			11R:2:L fran:319		7A:Dirigenția:219		12Sp:Matematică:321
Joi 4	5B:1:L eng:22		10R:1:L fran:321		7A:L rom :309		11Ar:Matematică:401
Joi 5		6C:Ed. tehn:305			7A:L rom :322		7B:Matematică:221

8B:1:L eng:305

Class

Room

Course

To modify, add or delete a lecture, select the hour

To add a lecture to an empty hour, select it

# Add/delete lecture from teacher schedule screen

Note: Each "Add" or "Delete" updates the Schedule Display Screen immediately

Name: Rîpă A.: Luni 3

1.Classes Nothing Selected

2.Courses Matematică

3.Rooms Nothing Selected

Show recommended rooms  
 Show all available rooms

Add

List of Courses Scheduled at this time  
Select Course Schedules that you want to delete

12Sp:Matematică:309

Close

Class

Course

Classroom

Lastly, add new lecture to schedule

Lectures currently scheduled for this slot. Select to delete.

Day & Time	Mindru	Oaserele D
Luni 1	8B:1:L eng:305	6A:1:Ed. te
Luni 2	5B:2:L eng:401	
Luni 3		
Marți 1	10U:2:L eng:108	6B:1:Ed. te
Marți 2	6B:1:L eng:305	
Marți 3	5B:2:L eng:319	
Marți 4	5C:L eng:305	5B:1:Ed. te
Marți 5		
Marți 6		8C:Ed. teh
Marți 7		
Mercuri 1	10U:2:L eng:220	
Mercuri 2		5A:2:Ed. te
Mercuri 3	5B:1:L eng:221	
Mercuri 4		
Mercuri 5	5C:L eng:220	9B:Ed. teh
Mercuri 6		
Mercuri 7		
Joi 1		8B:1:Ed. te
Joi 2	6B:1:L eng:304	
Joi 3		
Joi 4	5B:1:L eng:221	
Joi 5		6C:Ed. teh

Rusu N.	Rîpă A.
	7B:Matematică:221
	11Ar:Matematică:319
	12Sp:Matematică:309
8B:Matematica :228	
6C:Matematica :304	
6C:Matematica :403	
6C:Matematica :318	
8B:Matematica :320	12Sp:Matematică:401
8B:Matematica :110	
	7B:Matematică:402
	7B:Matematică:108
	11Ar:Matematică:313
	12Sp:Matematică:321
	11Ar:Matematică:401
	7B:Matematică:221

## Notes:

- Drop-down lists only offer valid choices
- Choices for teacher and time are preselected because of entry clicked



# Display Schedule by Classroom

Days & hours

Classrooms

Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru

File Clear Messages Preferences Courses Teachers Classes Rooms Scheduling

Schedule by Room, Schedule: Best Schedule

Day & Time	305	307	308	309	311	312	313
Luni 1	12 U1:2:L fran Il:Olaru	6B:1:L eng:Mindru	12 Sp:2:L eng :Stefanuc	9B:Fizică:Stratan ion	11U 2:Fizică:Cebotari	12 R:Chimie:Gheciu	11R:Geografie:Buga
Luni 2	12 R:2:L fran:Olaru	12Ar:1:L fran:Coscodan	12Ar:2:L eng :Stefanuc	7C:Fizică:Stratan ion	11 U1:Fizică:Cebotari	11R:L rom:Stratan E.	12 U1:Geografie:Buga
Luni 3	9B:Istorie:Lungu V	5 C:L eng:Mindru	12 U2:1:L eng Il:Stefanuc	7A:Fizică:Stratan ion	12 R:Fizică:Cebotari	10 U:Matematică:Mindr...	11 Ar:Geografie:Buga
Luni 4	11U 2:2:L fran Il:Olaru	9C:Ed fizică:lasinschi	5 B:Matematică:Borta N	5 C:Op. toleranta:Trifan ...	8C:Fizică:Cebotari	10 U:Matematică:Mindr...	7C:Istorie:Lungu V
Luni 5	10 R:1:L fran:Olaru	9C:Ed civică:Bricicari	7A:2:L eng :Stefanuc	6B:Fizică:Stratan ion	8B:Fizică:Cebotari	12 U2:Matematică:Mindr...	12Ar:Geografie:Buga
Luni 6	11U 2:1:L fran:Olaru		11U 2:2:L eng :Stefanuc	9A:Istorie:Lungu V	8A:Fizică:Cebotari	7A:Matematică:Mindres...	9C:Geografie:Ursu Z
Luni 7						9B:Matematică:Mindres...	
Marti 1	11U 2:2:L fran Il:Olaru	9C:Ed fizică:lasinschi	7A:2:L eng :Stefanuc	7B:Fizică:Stratan ion	12 R:Fizică:Cebotari	12 Sp:Chimie:Pirau	10 U:Geografie:Buga
Marti 2	10 U:1:L fran:Olaru	5A:1:L eng:Mindru	12Ar:2:L eng :Stefanuc	9B:Fizică:Stratan ion	8A:Istorie:Tulbu Z	12Ar:1:L fran:Coscodan	12 U2:Geografie:Buga
Marti 3	8A:Ed fizică:lasinschi	5 B:1:L eng:Mindru	11 U1:2:L eng :Stefanuc	7B:Istorie:Lungu V	8B:Dirigenția:Cebotari	12Ar:Matematică:Mindr...	12 R:Geografie:Buga
Marti 4	12 R:2:L fran:Olaru	12 Sp:1:L fran:Coscodan	12 Sp:2:L eng :Stefanuc	11R:Istorie:Lungu V	10 R:Fizică:Cebotari	9A:Matematică:Mindres...	6B:Geografie:Ursu Z
Marti 5	11R:2:L fran:Olaru	5 B:2:Ed. tehn :Slovo V.	10 R:Istorie:Lungu V	9A:Fizică:Stratan ion	12 U1:Fizică:Cebotari	12 U2:Matematică:Mindr...	7B:Geografie:Ursu Z
Marti 6	11U 2:1:L fran:Olaru	5 B:2:L eng:Mindru	11U 2:2:L eng :Stefanuc		10 U:Fizică:Cebotari	9B:Matematică:Mindres...	11 U1:Geografie:Buga
Marti 7					8A:Fizică:Cebotari		
Mercuri 1	11U 2:Dirigenția:Olaru	10 U:Istorie:Lungu V	9A:2:L eng :Stefanuc	7A:Fizică:Stratan ion		12Ar:Matematică:Mindr...	11 Ar:Geografie:Buga
Mercuri 2	11U 2:2:L fran Il:Olaru	5A:1:L eng:Mindru	12 Sp:2:L eng :Stefanuc	9A:Fizică:Stratan ion	8B:Fizică:Cebotari	9B:Matematică:Mindres...	6C:Matematica :Rusu N.
Mercuri 3	12 U1:2:L fran Il:Olaru	5 C:L eng:Mindru	10 R:2:L eng :Stefanuc	7C:Fizică:Stratan ion	11 U1:Fizică:Cebotari	10 U:Matematică:Mindr...	11U 2:Geografie:Buga
Mercuri 4	8B:1:Ed. tehn Oaserele D	12 U1:1:L fran:Coscodan	12 U2:2:L eng :Stefanuc	7B:Fizică:Stratan ion	10 R:Fizică:Cebotari	8B:2:Ed. tehn :Slovo V.	11 U1:Geografie:Buga
Mercuri 5	12 R:2:L fran:Olaru	10 U:L rom:Stratan E.		11R:Fizică:Stratan ion			10 R:Geografie:Buga
Mercuri 6	10 R:1:L fran:Olaru	5 B:2:L eng:Mindru	12Ar:2:L eng :Stefanuc		10 U:Fizică:Cebotari	7A:Matematică:Mindres...	
Mercuri 7							
Joi 1	11R:2:L fran:Olaru	10 U:2:L eng:Mindru	9A:2:L eng :Stefanuc	9C:Fizică:Stratan ion	10 R:Fizică:Cebotari	7A:Ed fizică:lasinschi	
Joi 2	8B:2:L fran:Olaru	8B:1:L eng:Mindru	12 U2:1:L eng Il:Stefanuc	6C:Fizică:Stratan ion	9B:Istorie:Lungu V	12Ar:Ist muzicii:Chitoro...	11U 2:Geografie:Buga
Joi 3	10 R:1:L fran:Olaru	11 Ar:L fran:Coscodan	11 U1:2:L eng :Stefanuc	6A:Ed fizică:lasinschi	12 U2:Chimie:Pirau	9A:Dirigenția:Mindrescu	10 U:Geografie:Buga
Joi 4	10 U:2:L fran Il:Olaru		10 U:1:L eng Il:Stefanuc		6C:Ed fizică:lasinschi	9A:Matematică:Mindres...	7A:Geografie:Ursu Z
Joi 5	10 U:2:L fran Il:Olaru	6B:1:L eng:Mindru	10 U:1:L eng Il:Stefanuc	11R:Fizică:Stratan ion	12 U2:Fizică:Cebotari	9A:Matematică:Mindres...	12 Sp:Geografie:Buga

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11U 2:1:L. franc:Olaru

Class

Teacher

Course

Group number

To add a lecture to an empty hour, select it

To modify, add or delete a lecture, select the hour

# Edit a lecture from classroom schedule screen

Note: Each "Add" or "Delete" updates the Schedule Display Screen immediately

Name: 312: Mercuri 1

1.Classes Nothing Selected

2.Courses Nothing Selected

3.Teachers Nothing Selected

Nothing Selected

Tihon Ina

Timuta

Trifan Carina

Tulbu

Tulbu Z

Ursu

Ursu Z

Nothing Selected

Class

Course

Teacher

Print Update Refresh Add

Day & Time	305	307
Luni 1	8B:1:L eng:Mindru	11R:Chimia
Luni 2	5C:L rusă:Juscov S.	7A:Matema
Luni 3	5A:Ed civică:Bricicari	10U:1:L en
Luni 4	6B:1 rom:Popa	11U1:1:L fr
		U2:Mate
		Istorie:L
		L eng:lu
Marti 2	6B:1:L eng:Mindru	11Ar:Ed civ
Marti 3	6B:Matematică:Stratan i	12U2:1 ron
		L fr
		L fr
		L fr
		L fr
		las
		en
		ifo
		ă:J
Mercuri 5	7B:Biologie:Ceban	11R:L rom:
Mercuri 6		12U1:L ron
Mercuri 7	6C:L și lit rom:Ursu	
Joi 1	12U1:1:L fran:Coscodan	11U1:L ron
Joi 2	9C:Chimie:Ceban	6A:L rom :C
Joi 3	6C:Dirigenția:Ceban	7C:Ed civic
Joi 4	12Ar:2:L eng :Stefanuc	6B:Istorie:E
Joi 5	6C:Ed. tehn:Oaserele D	7C:L rusă:

Empty (lectures currently scheduled for this hour)

Lastly, add new lecture to schedule

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## Notes:

- Drop-down lists only offer valid choices
- Choices for classroom and time are preselected because of entry clicked

# Display schedule by teacher - summary

**Days & hours**

(Monday1, Monday2, ... , Tuesday6, ... , Friday7)

**Hours per week**

**Teacher**

Class Scheduler V2.39, July 4th 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru

File Clear Messages Preferences Courses Teachers Classes Rooms Scheduling

Schedule by Teacher, Schedule: Best Schedule

Teacher	Lu1	Lu2	Lu3	Lu4	Lu5	Lu6	Lu7	Ma1	Ma2	Ma3	Ma4	Ma5	Ma6	Ma7	Me1	Me2	Me3	Me4	Me5	Me6	Total	
Amarii	5A								5 B	5A					5 B	12 R					8	
Bagrii			11 U1	5A					11 U1		5A				11 U1		5A				12	
Balic V	7B	8C	7C	7A	5A	7B		12Ar		9A	8C	5A			5A	12 U2	8C	8C	9B		25	
Balic s	10 R							10 R	11 Ar						12 R	11R	10 U	12 R			10	
Bolea			12 U2				11 U1			11 U1					12 U2				12 U2		11	
Borta N	5 C	5 C	9C	5 B		6B		5 C	7C	9C		7A	6A		9C	5 B	7B	6C	8C		25	
Botnari		6A	6A	8A	7C	10 R	10 R		12 U1	12 U1				10 R	10 R		6A		8A	8A	7C	20
Bricic...	12Ar	10 R	6C	6C	9C	5 B	12 Sp	9B	6C	6A	11 Ar	6A	12 Sp	12 Sp	12 U1	12 U1	9A	6A	12Ar	11 Ar	34	
Budoi...	12 U1	12 R	6B	11R	7A	11 U1		7A	12 R	11R	11U 2	6B	7C		9A	11R	12 U1	12 U1	12 R	8A	30	
Buga	11R	12 U1	11 Ar		12Ar			10 U	12 U2	12 R				11 U1		11 Ar		11U 2	11 U1	10 R	17	
Ceban	8B		7B		6C	7C			8C	7A	7C	8A	9C		5 C	7A	9C	9A	7B	9B	27	
Cebot...	11U 2	11 U1	12 R	8C	8B	8A		12 R		8B	10 R	12 U1	10 U	8A		8B	11 U1	10 R		10 U	24	
Chitor...																					1	
Chitor...				7B										7A		7B					4	
Coad...	6A	9C		9B	9B	5 C		6A	6A	9B	9C	5 C	5 C		6A				9C	5 C	22	
Cosc...	12 Sp	12Ar							12Ar							12 Sp	11 Ar	12 U1		12Ar	11	
Cvas...																					0	
Enache	12 U2	12 U2																			3	
Fintin...		7B	5 B									6C			8B	7C		5A	6B	8C	11	
Gheciu	12 R		11U 2	10 R	11 U1	11R	12 R														13	
Gheci...		12 Sp										12Ar			12 Sp						4	
lasins...	7C	8A	8B	9C	9A			9C		8A	8B	9B			7B	8C	9B	5 C	6A	6B	26	
luzvac			8C		12 U1	10 U		12 U1	11U 2	12 U2	6A	9C					6A	9B	11U 2		20	
Jusco...	9A	8B	8A		5 B			5A	9C	8C	9B	7C	6C		6B	5 C	5 B	9C	9A		27	
Lungu	5 B	5 B	10 R	9A	7B	8B		9A	10 R	10 R	7B	8B	8B			10 R	8B	5 B	5 B	9A	27	
Lung...	9C	10 U	9B	7C	11U 2	9A		8C	7A	7B	11R	10 R	9A		10 U	9C		11U 2	7C	8B	27	

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**Short name of class**

**To modify, add or delete a lecture, select it**

# Add a lecture to a schedule

The screenshot shows the 'Class Scheduler V2.43' application window. The title bar indicates the date is August 11th, 2016, and the database path is /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar Alecsandri. The menu bar includes File, Clear Messages, Preferences, Courses, Teachers, Classes, Rooms, Scheduling, and Help. The main window displays a 'Schedule by Teacher, Schedule: Best Schedule' table with columns for teachers and lecture slots (Lu1-Lu4, Me1-Me6, Total). A red dashed circle highlights the 'Add' button in the toolbar. A dialog box titled 'Schedule a lecture' is open, containing a note: 'Note: Each "Add" or "Delete" updates the Schedule Display Screen immediately'. The dialog has five sections: 1. Classes, 2. Courses, 3. Teachers, 4. Select the time, and 5. Rooms. Each section has a dropdown menu currently set to 'Nothing Selected'. A red arrow points from the 'Add' button to the dialog. Pink arrows point from labels to the dropdowns: 'Class' to the first dropdown, 'Course' to the second, 'Teacher' to the third, 'Day and hour' to the fourth, and 'Classroom' to the fifth. The fifth dropdown is open, showing a list of room numbers: 321, 322, 401, 402, 403, 406, 407, and 'Nothing Selected'. The dialog also has 'OK' and 'Cancel' buttons. At the bottom of the application window, there is a copyright notice: 'All Rights Reserved. This program is not intended for commercial use and is provided AS IS.'

Teach...	Lu1	Lu2	Lu3	Lu4	Me1	Me2	Me3	Me4	Me5	Me6	Total
Amarii											8
Bagrii	11U1			5A				5A			12
Balic V	8C	5A	8C					12Sp	7C		25
Balic s			11U2						10R	11U1	10
Bolea				11U1				12U2			11
Borta N	6B	9C	5B								25
Botnari		6A	6A	10R					3A		20
Bricic...	12Ar	10U	5A	12Sp					3B	9B	34
Budoi...	12U1		9A	7A					1U2	7B	30
Buga		12Ar	12U2	11U2							17
Ceban	6C	8A	9C	6A							27
Cebot...	10R	11U2	12R	8A							24
Chitor...											1
Chitor...											4
Coad...		9B	5C	5C							22
Cosc...											11
Cvas...											0
Enache				12U2							3
Fintin...	8A		7A	7B							11
Gheciu	11R	12R	10R	11Ar							13
Gheci...											4
lasins...	9A	7B	6C	8C					12Sp		26
Iuzvac	9B	8C	12U1	10U					8C	9C	20
Jusco...	5A	5C	8A	6B	9A	5A	8A	6C		11U2	27
Lungu	5B	8B		9A	10R		10R	5B	7B		27
Lungu...	11U2	7C		9A	11R	7A	8B	10U			27

# 8. Rename "Schedule" (1/2)

To **rename** a Schedule  
Click on its name

**Remember this?**  
To **add** a new Schedule  
Click add

Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace\_corps/Scheduler\_school/orar 2015-2016 Alexandru

File Clear Messages Preferences Courses Teachers Classes Rooms Scheduling

Schedules

Print Update Refresh Add << < > >>

Delete	Save	Active	ID	Name	Description	Score
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	35	Best Schedule		47329.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Lipsa versiunii		0.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	face		0.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	69	face#0#2016-06-23#5005...		50050.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	70	face#1#2016-06-23#1543...		154306.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	71	face#2#2016-06-23#4146...		414659.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72	face#3#2016-06-23#6473...		647306.0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	68	face#4#2016-06-21#3535...		353500.0

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# 8. Rename a "Schedule" (2/2)

1. Type in the Schedule name

2. Type in description

if you have addition information that you wish to record

Remember  
**Add ?**

3. Click Finish

Dialog box titled "Add a Schedule". It has two input fields: "Name" with the text "face" and "Description" which is empty. Below the fields are "OK" and "Cancel" buttons. Red arrows point from the instructions to the "Name" and "Description" fields.

1. Change the Schedule name

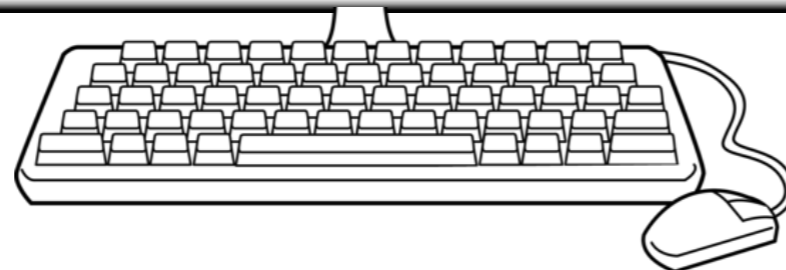
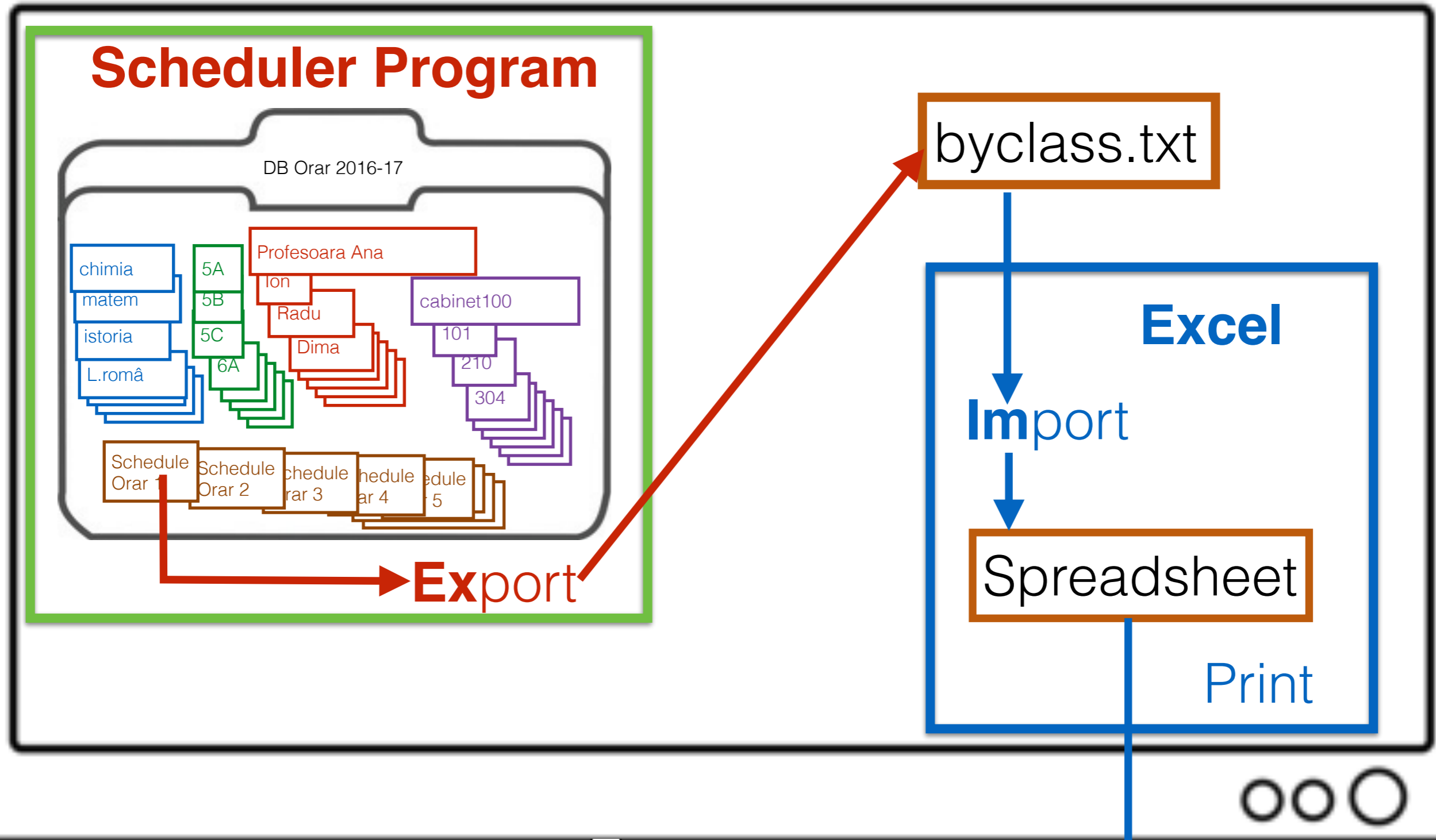
2. Edit the description (optional)

Now **Rename**

3. Click Finish

Dialog box titled "Update Schedule Attributes". It shows "ID: 50" and checkboxes for "Delete" (unchecked) and "Save" (checked). The "Name" field contains "face#0#2016-06-17#47470.0" and the "Description" field is empty. Below are "OK" and "Cancel" buttons. Blue arrows point from the instructions to the "Name" and "Description" fields.

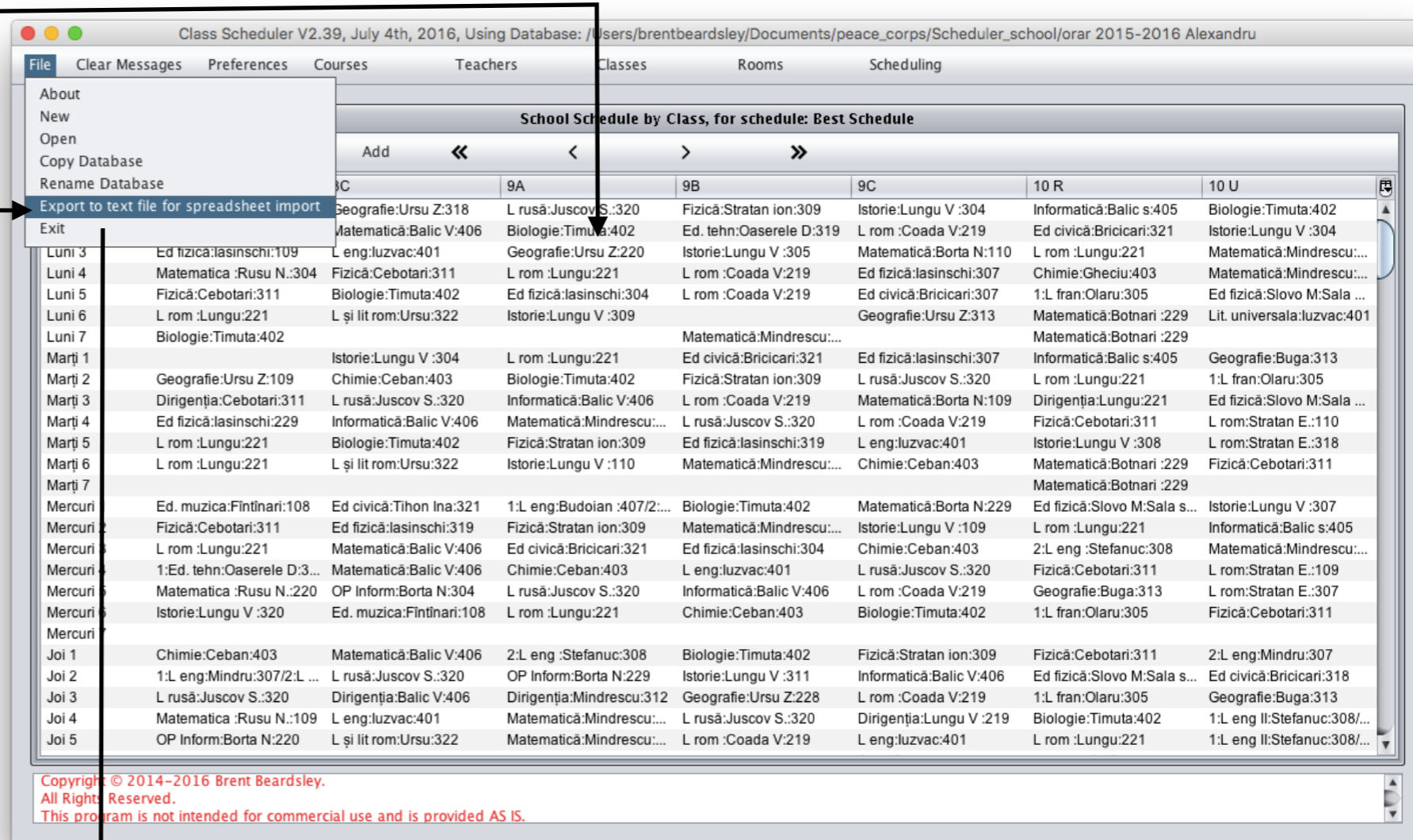
# Import-Export-Print



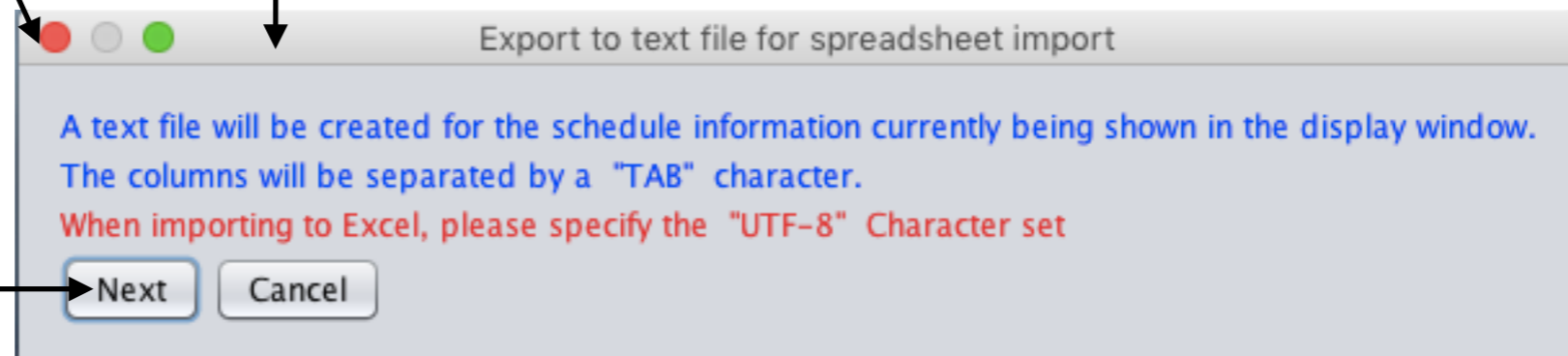
# Export schedule to Excel

1. Screen you want to export

2. Select "export"



3. New window appears



4. Push next



# Export schedule to Excel (cont'd)

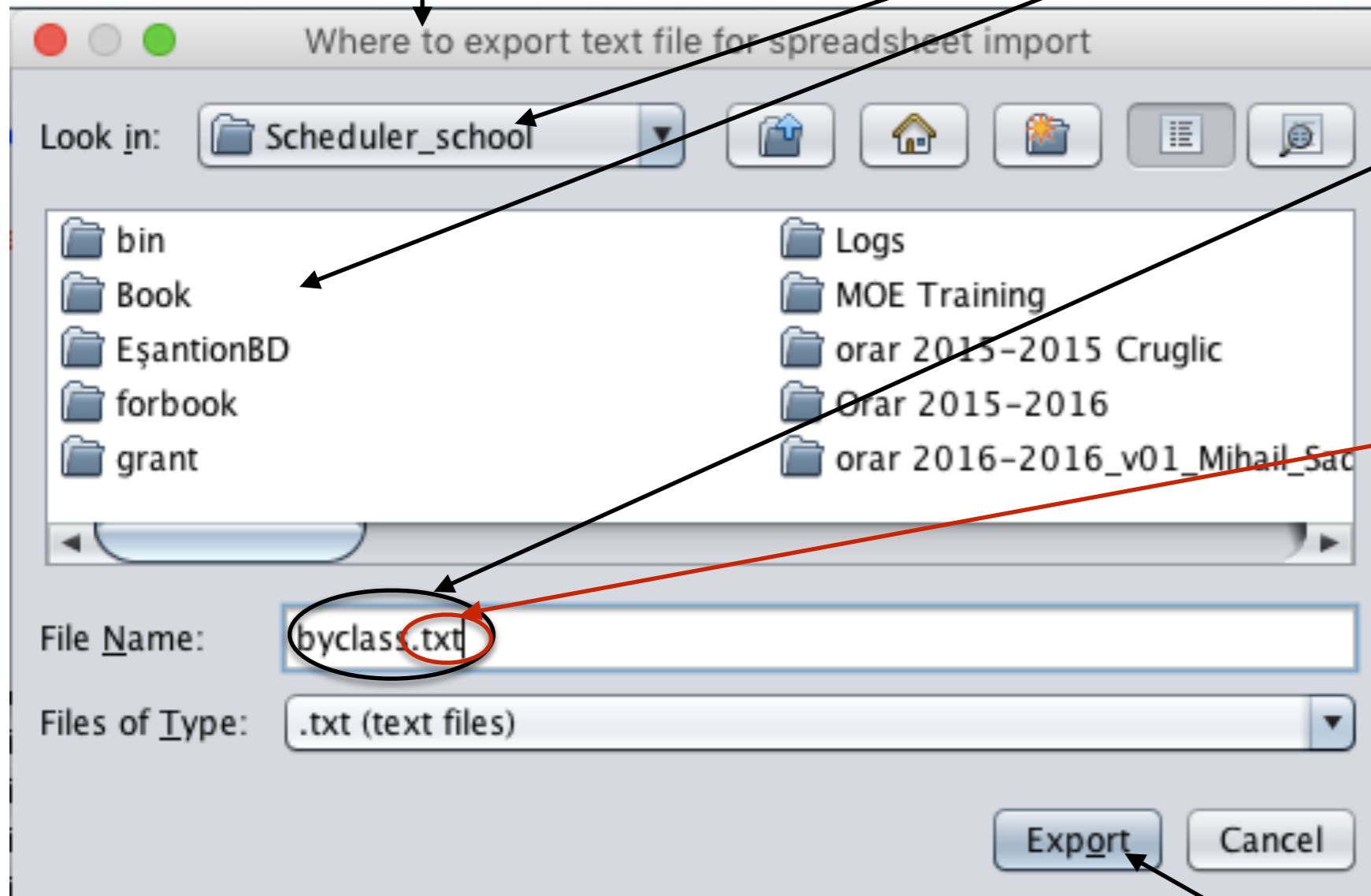
5. File selection window appears

6. Go to the folder you wish to place the export file into

7. Specify the name of the file to export the data to

**Note:** The file type must be “.txt”

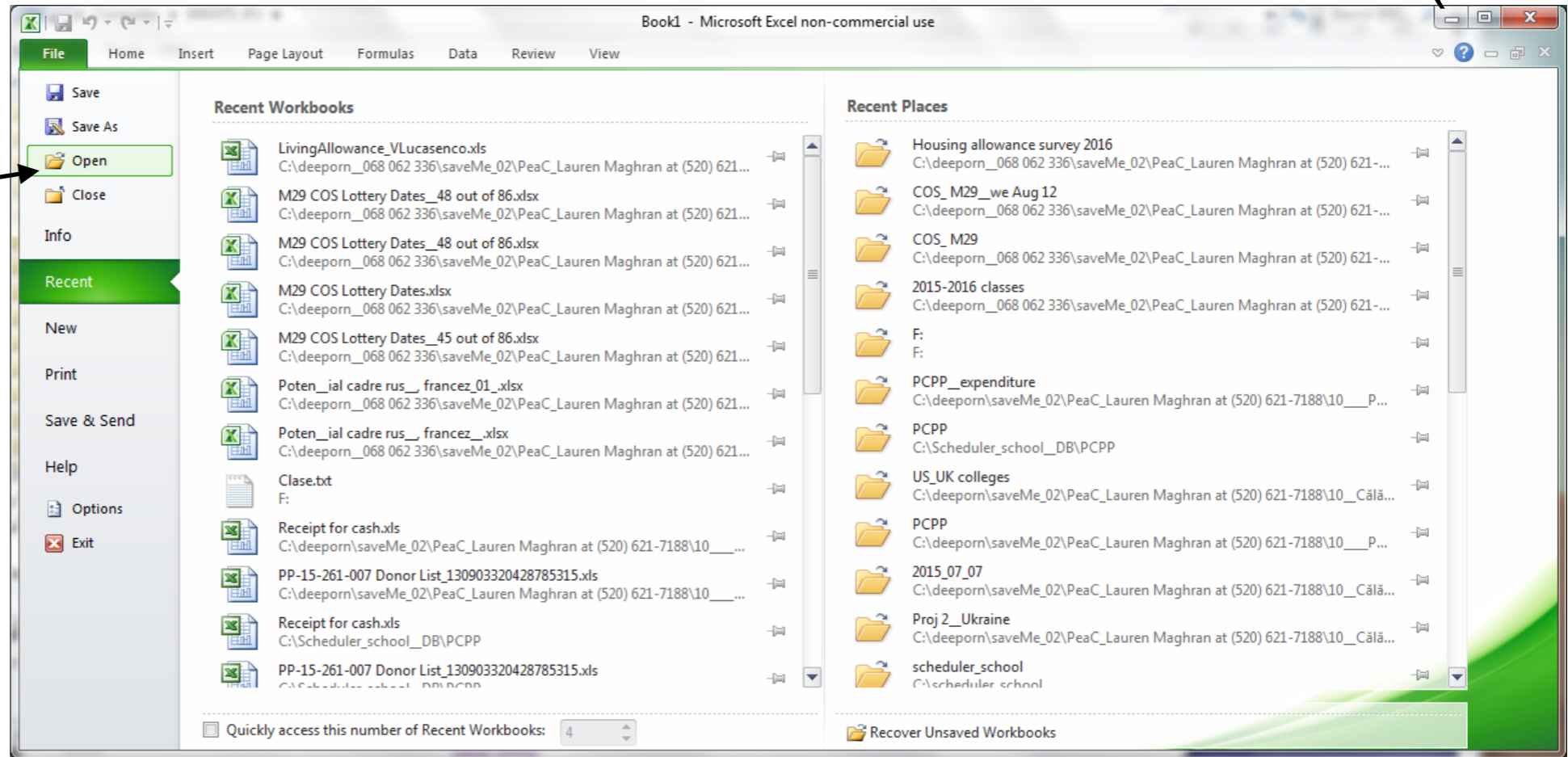
8. Push Export



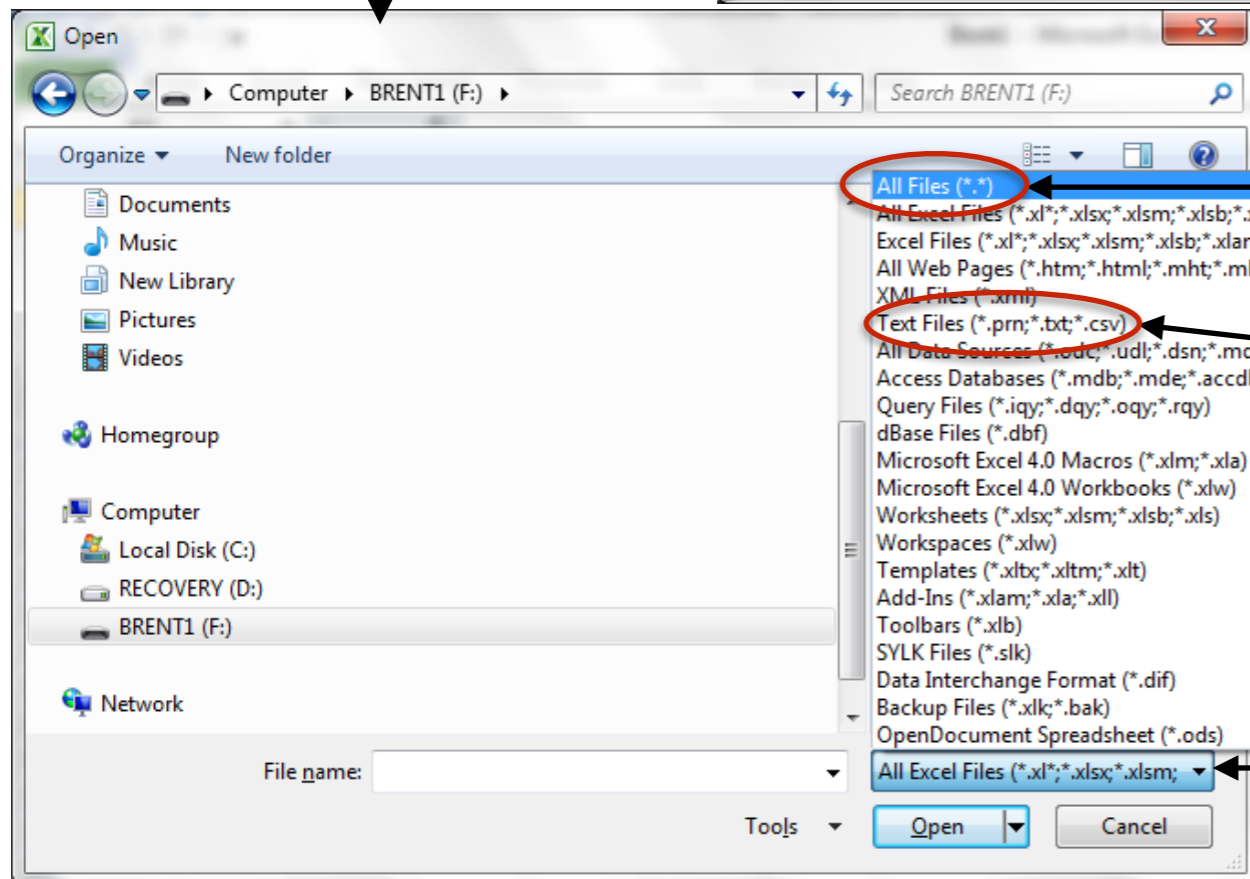
# Import schedule into Excel (1/4)

1. Start Excel

2. Select Open



3. New window opens



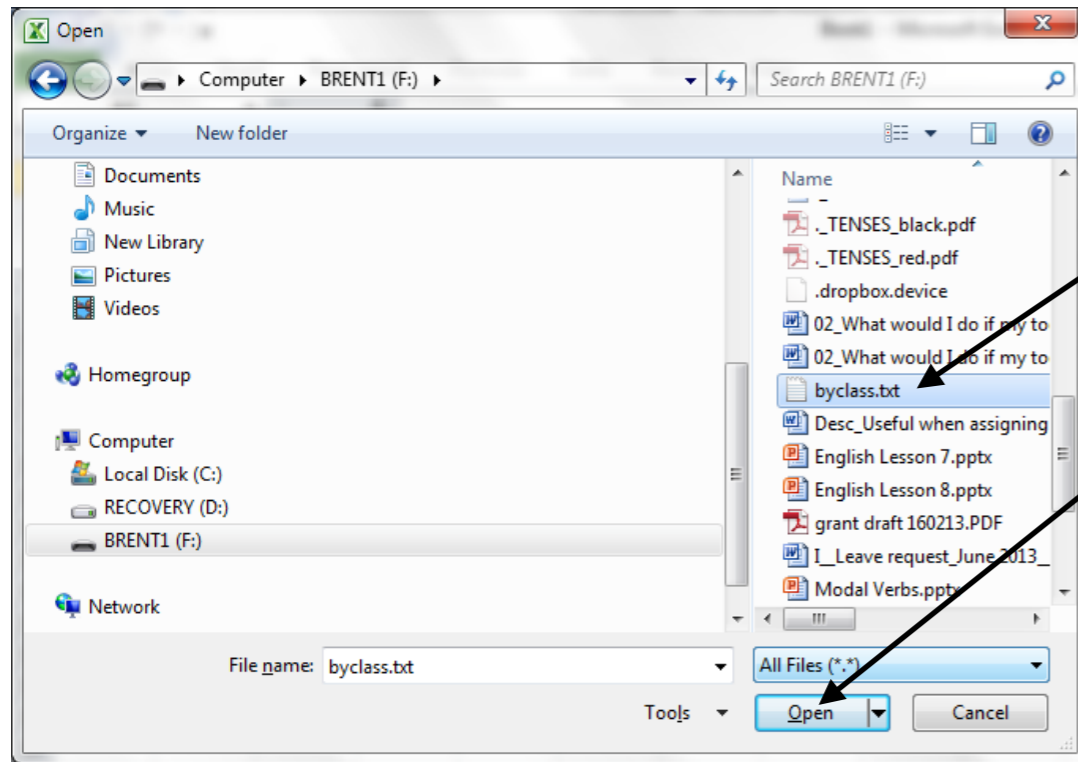
4a. Change to "All Files (\*.\*)"

or

"Text Files (\*.prn, \*.txt, \*.csv)"

4. Change "All Excel Files"

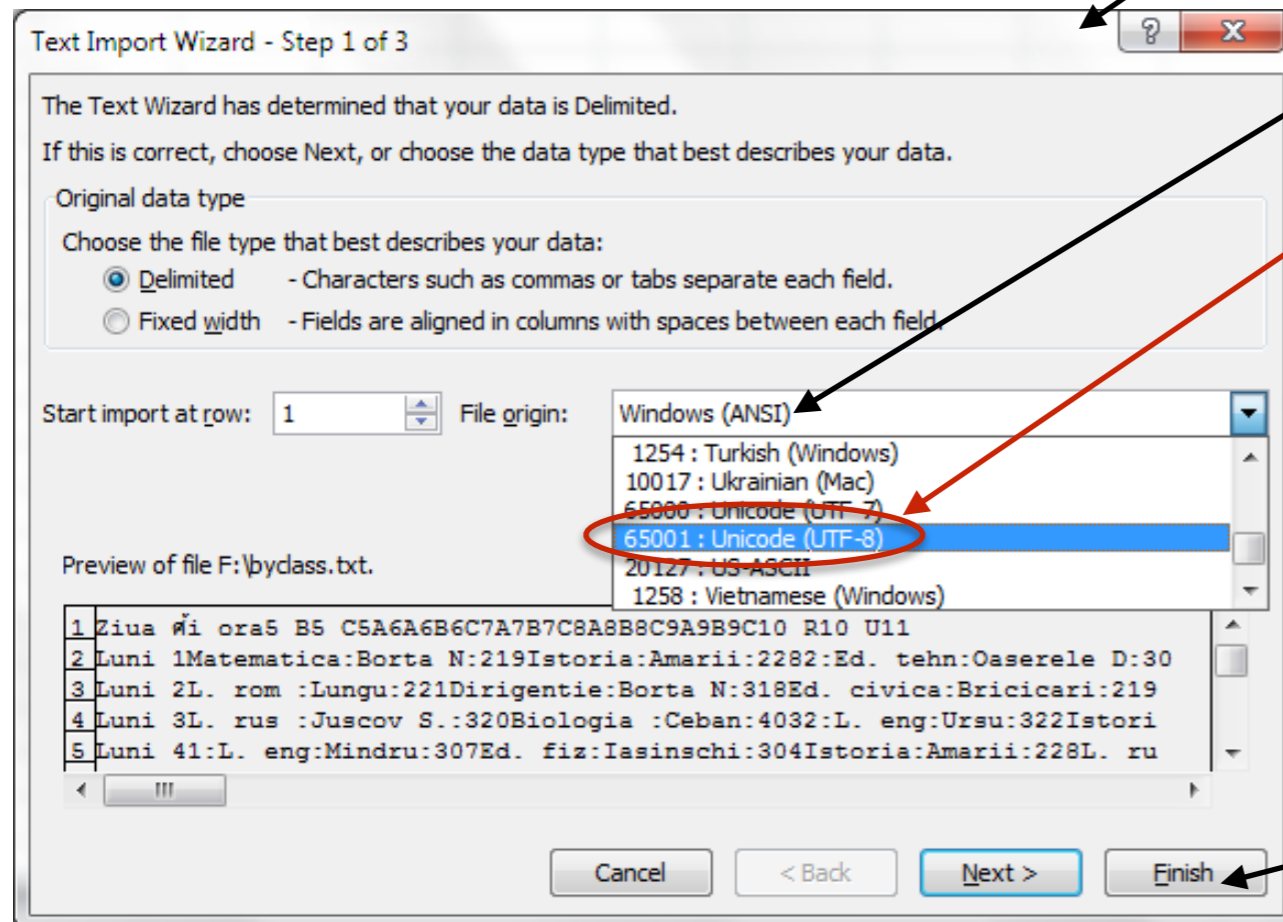
# Import schedule into Excel (2/4)



5. Select the file

6. Select Open

7. Text import wizard appears

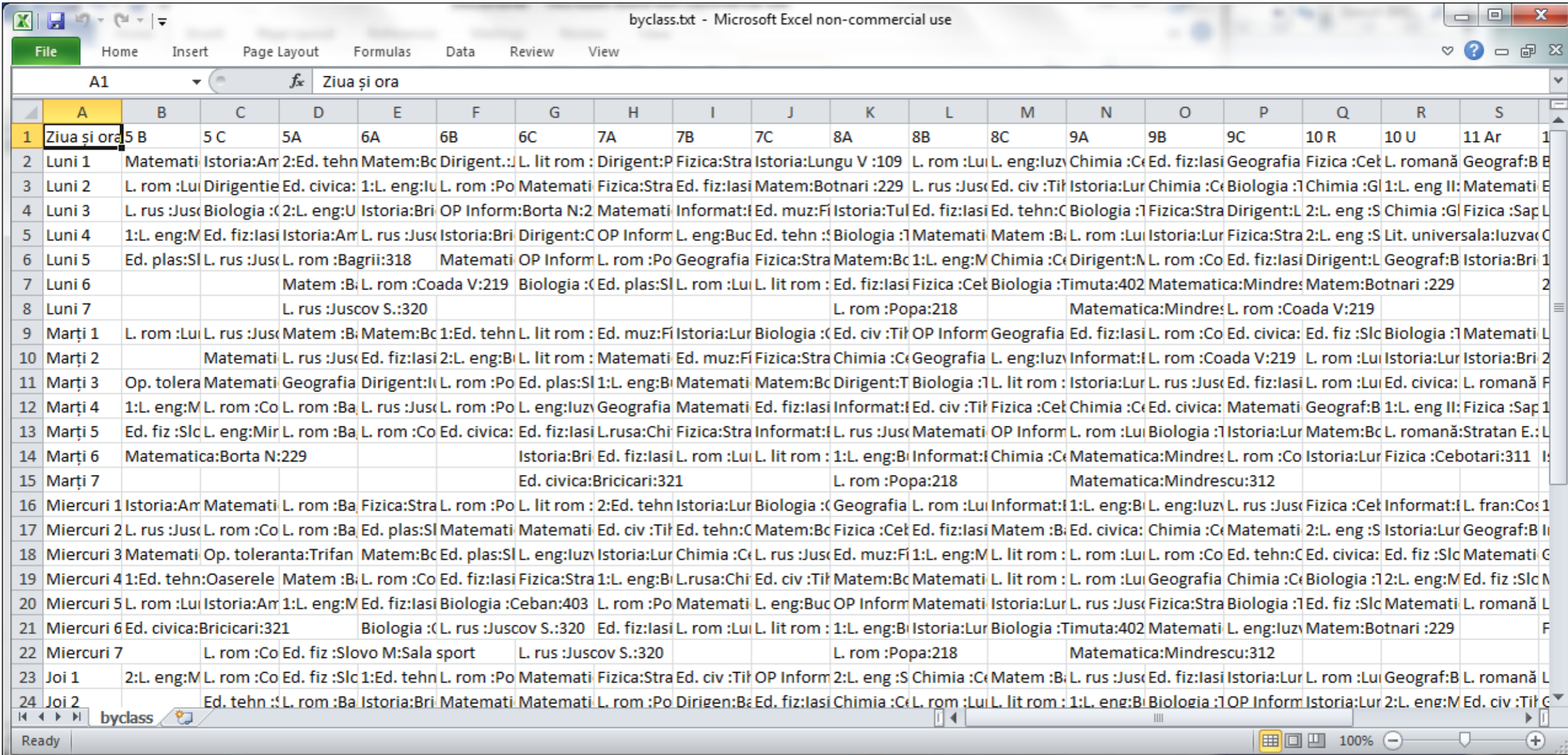


8. Change the character set to **“65001: Unicode (UTF-8)”**, if necessary

9. Press Finish

# Import schedule into Excel (3/4)

## 10. Excel shows the data just imported



The screenshot shows a Microsoft Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	Ziua și ora	5 B	5 C	5A	6A	6B	6C	7A	7B	7C	8A	8B	8C	9A	9B	9C	10 R	10 U	11 Ar	1	
2	Luni 1	Matemati	Istoria:Am	2:Ed. tehn	Matem:Bo	Dirigent.:J	L. lit rom :	Dirigent:P	Fizica:Str	Istoria:Lungu	V :109	L. rom :Lui	L. eng:luz	Chimia :Ce	Ed. fiz:lasi	Geografia	Fizica :Cek	L. romană	Geograf:B	B	
3	Luni 2	L. rom :Lui	Dirigentie	Ed. civica:	1:L. eng:lu	L. rom :Po	Matemati	Fizica:Str	Ed. fiz:lasi	Matem:Botnari	:229	L. rus :Jusc	Ed. civ :Tit	Istoria:Lur	Chimia :Ce	Biologia :T	Chimia :G	1:L. eng II:	Matemati	E	
4	Luni 3	L. rus :Jusc	Biologia :C	2:L. eng:U	Istoria:Bri	OP Inform:	Borta N:2	Matemati	Informat:f	Ed. muz:Fi	Istoria:Tul	Ed. fiz:lasi	Ed. tehn:C	Biologia :T	Fizica:Str	Dirigent:L	2:L. eng :S	Chimia :G	Fizica :Sap	L	
5	Luni 4	1:L. eng:M	Ed. fiz:lasi	Istoria:Am	L. rus :Jusc	Istoria:Bri	Dirigent:C	OP Inform	L. eng:Buc	Ed. tehn :	Biologia :T	Matemati	Matem :B	L. rom :Lui	Istoria:Lur	Fizica:Str	2:L. eng :S	Lit. universal	luzvac	C	
6	Luni 5	Ed. plas:Sl	L. rus :Jusc	L. rom :Bagrii:	318	Matemati	OP Inform	L. rom :Po	Geografia	Fizica:Str	Matem:Bo	1:L. eng:M	Chimia :Ce	Dirigent:M	L. rom :Co	Ed. fiz:lasi	Dirigent:L	Geograf:B	Istoria:Bri	1	
7	Luni 6			Matem :B	L. rom :Coad	V:219	Biologia :C	Ed. plas:Sl	L. rom :Lui	L. lit rom :	Ed. fiz:lasi	Fizica :Cek	Biologia :T	Timuta:402	Matematica:Mindres	Matem:Botnari	:229			2	
8	Luni 7			L. rus :Jusc	ov S.:320						L. rom :Popa:	218		Matematica:Mindres	L. rom :Coad	V:219					
9	Marți 1	L. rom :Lui	L. rus :Jusc	Matem :B	Matem:Bo	1:Ed. tehn	L. lit rom :	Ed. muz:Fi	Istoria:Lur	Biologia :C	Ed. civ :Tit	OP Inform	Geografia	Ed. fiz:lasi	L. rom :Co	Ed. civica:	Ed. fiz:Slc	Biologia :T	Matemati	L	
10	Marți 2		Matemati	L. rus :Jusc	Ed. fiz:lasi	2:L. eng:Bi	L. lit rom :	Matemati	Ed. muz:Fi	Fizica:Str	Chimia :Ce	Geografia	L. eng:luz	Informat:f	L. rom :Coad	V:219	L. rom :Lui	Istoria:Lur	Istoria:Bri	2	
11	Marți 3	Op. tolera	Matemati	Geografia	Dirigent:It	L. rom :Po	Ed. plas:Sl	1:L. eng:Bi	Matemati	Matem:Bo	Dirigent:T	Biologia :T	L. lit rom :	Istoria:Lur	L. rus :Jusc	Ed. fiz:lasi	L. rom :Lui	Ed. civica:	L. romană	F	
12	Marți 4	1:L. eng:M	L. rom :Co	L. rom :Ba	L. rus :Jusc	L. rom :Po	L. eng:luz	Geografia	Matemati	Ed. fiz:lasi	Informat:f	Ed. civ :Tit	Fizica :Cek	Chimia :Ce	Ed. civica:	Matemati	Geograf:B	1:L. eng II:	Fizica :Sap	1	
13	Marți 5	Ed. fiz :Slc	L. eng:Mir	L. rom :Ba	L. rom :Co	Ed. civica:	Ed. fiz:lasi	L.rusa:Chi	Fizica:Str	Informat:f	L. rus :Jusc	Matemati	OP Inform	L. rom :Lui	Biologia :T	Istoria:Lur	Matem:Bo	L. romană:Stratan	E.:L		
14	Marți 6	Matematica:	Borta N:229				Istoria:Bri	Ed. fiz:lasi	L. rom :Lui	L. lit rom :	1:L. eng:Bi	Informat:f	Chimia :Ce	Matematica:Mindres	L. rom :Co	Istoria:Lur	Fizica :Cebotari:	311	I		
15	Marți 7						Ed. civica:	Bricicari:321			L. rom :Popa:	218		Matematica:Mindrescu:	312						
16	Miercuri 1	Istoria:Am	Matemati	L. rom :Ba	Fizica:Str	L. rom :Po	L. lit rom :	2:Ed. tehn	Istoria:Lur	Biologia :C	Geografia	L. rom :Lui	Informat:f	1:L. eng:Bi	L. eng:luz	L. rus :Jusc	Fizica :Cek	Informat:f	L. fran:Cos	1	
17	Miercuri 2	L. rus :Jusc	L. rom :Co	L. rom :Ba	Ed. plas:Sl	Matemati	Matemati	Ed. civ :Tit	Ed. tehn:C	Matem:Bo	Fizica :Cek	Ed. fiz:lasi	Matem :B	Ed. civica:	Chimia :Ce	Matemati	2:L. eng :S	Istoria:Lur	Geograf:B	Il	
18	Miercuri 3	Matemati	Op. toleranta:	Trifan	Matem:Bo	Ed. plas:Sl	L. eng:luz	Istoria:Lur	Chimia :Ce	L. rus :Jusc	Ed. muz:Fi	1:L. eng:M	L. lit rom :	L. rom :Lui	L. rom :Co	Ed. tehn:C	Ed. civica:	Ed. fiz :Slc	Matemati	C	
19	Miercuri 4	1:Ed. tehn:	Oaserele	Matem :B	L. rom :Co	Ed. fiz:lasi	Fizica:Str	1:L. eng:Bi	L.rusa:Chi	Ed. civ :Tit	Matem:Bo	Matemati	L. lit rom :	L. rom :Lui	Geografia	Chimia :Ce	Biologia :T	2:L. eng:M	Ed. fiz :Slc	M	
20	Miercuri 5	L. rom :Lui	Istoria:Am	1:L. eng:M	Ed. fiz:lasi	Biologia :Ceban:	403	L. rom :Po	Matemati	L. eng:Buc	OP Inform	Matemati	Istoria:Lur	L. rus :Jusc	Fizica:Str	Biologia :T	Ed. fiz :Slc	Matemati	L. romană	L	
21	Miercuri 6	Ed. civica:	Bricicari:321		Biologia :C	L. rus :Jusc	ov S.:320	Ed. fiz:lasi	L. rom :Lui	L. lit rom :	1:L. eng:Bi	Istoria:Lur	Biologia :T	Timuta:402	Matemati	L. eng:luz	Matem:Botnari	:229		F	
22	Miercuri 7		L. rom :Co	Ed. fiz :Slovo	M:Sala sport		L. rus :Jusc	ov S.:320			L. rom :Popa:	218		Matematica:Mindrescu:	312						
23	Joi 1	2:L. eng:M	L. rom :Co	Ed. fiz :Slc	1:Ed. tehn	L. rom :Po	Matemati	Fizica:Str	Ed. civ :Tit	OP Inform	2:L. eng :S	Chimia :Ce	Matem :B	L. rus :Jusc	Ed. fiz:lasi	Istoria:Lur	L. rom :Lui	Geograf:B	L. romană	L	
24	Joi 2		Ed. tehn :S	L. rom :Ba	Istoria:Bri	Matemati	Matemati	L. rom :Po	Dirigen:	Ba	Ed. fiz:lasi	Chimia :Ce	L. rom :Lui	L. lit rom :	1:L. eng:Bi	Biologia :T	OP Inform	Istoria:Lur	2:L. eng:M	Ed. civ :Tit	C

# Import schedule into Excel (4/4)

You can adjust columns, edit the cells and print schedule just as you would any other Excel file

The screenshot shows a Microsoft Excel spreadsheet titled "byclass.txt - Microsoft Excel non-commercial use". The spreadsheet contains a schedule with columns for days of the week (Ziua și ora) and subjects. The data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	U	
1	Ziua și ora	5 B	5 C	5A	6A	6B	6C	7A	7B	7C	8A	8B	8C	9A	9B	9C	10 R	10 U		
2	Luni 1	Matematica:Borta N:219	Istoria:Amr 2:Ed. tehn	Matem:Bc	Dirigent.:L. lit rom :	Dirigent:P	Fizica:Str	Istoria:Lungu V :109	L. rom :Lu	L. eng:luz	Chimia :Ce	Ed. fiz:lasi	Geografia	Fizica :Cek	L. rom					
3	Luni 2	L. rom :Lungu:221	Dirigentie	Ed. civica: 1:L. eng:lu	L. rom :Po	Matemati	Fizica:Str	Ed. fiz:lasi	Matem:Botnari :229	L. rus :Jusc	Ed. civ :Tif	Istoria:Lur	Chimia :Ce	Biologia :T	Chimia :Gl	1:L. e				
4	Luni 3	L. rus :Juscov S.:320	Biologia :C	2:L. eng:U	Istoria:Bri	OP Inform:Borta N:2	Matemati	Informat:f	Ed. muz:Fi	Istoria:Tul	Ed. fiz:lasi	Ed. tehn:C	Biologia :T	Fizica:Str	Dirigent:L	2:L. eng :S	Chim			
5	Luni 4	1:L. eng:Mindru:307	Ed. fiz:lasi	Istoria:Am	L. rus :Jusc	Istoria:Bri	Dirigent:C	OP Inform	L. eng:Buc	Ed. tehn :S	Biologia :T	Matemati	Matem :B	L. rom :Lu	Istoria:Lur	Fizica:Str	2:L. eng :S	Lit. u		
6	Luni 5	Ed. plas:Slovo V.:308	L. rus :Jusc	L. rom :Bagrii:318	Matemati	OP Inform	L. rom :Po	Geografia	Fizica:Str	Matem:Bc	1:L. eng:M	Chimia :Ce	Dirigent:M	L. rom :Co	Ed. fiz:lasi	Dirigent:L	Geog			
7	Luni 6			Matem :B	L. rom :Coad	V:219	Biologia :C	Ed. plas:SI	L. rom :Lu	L. lit rom :	Ed. fiz:lasi	Fizica :Cek	Biologia :Timuta:402	Matematica:Mindres	Matem:Botnari					
8	Luni 7			L. rus :Juscov S.:320								L. rom :Popa:218		Matematica:Mindres	L. rom :Coad	V:219				
9	Marți 1	L. rom :Lungu:221	L. rus :Jusc	Matem :B	Matem:Bc	1:Ed. tehn	L. lit rom :	Ed. muz:Fi	Istoria:Lur	Biologia :C	Ed. civ :Tif	OP Inform	Geografia	Ed. fiz:lasi	L. rom :Co	Ed. civica: Ed. fiz:Slc	Biolo			
10	Marți 2		Matemati	L. rus :Jusc	Ed. fiz:lasi	2:L. eng:Bi	L. lit rom :	Matemati	Ed. muz:Fi	Fizica:Str	Chimia :Ce	Geografia	L. eng:luz	Informat:f	L. rom :Coad	V:219	L. rom :Lu	Istori		
11	Marți 3	Op. toleranta:Trifan Carina	Matemati	Geografia	Dirigent:l	L. rom :Po	Ed. plas:SI	1:L. eng:Bi	Matemati	Matem:Bc	Dirigent:T	Biologia :T	L. lit rom :	Istoria:Lur	L. rus :Jusc	Ed. fiz:lasi	L. rom :Lu	Ed. ci		
12	Marți 4	1:L. eng:Mindru:307	L. rom :Co	L. rom :Ba	L. rus :Jusc	L. rom :Po	L. eng:luz	Geografia	Matemati	Ed. fiz:lasi	Informat:f	Ed. civ :Tif	Fizica :Cek	Chimia :Ce	Ed. civica: Matemati	Geograf	B	1:L. e		
13	Marți 5	Ed. fiz :Slovo M:Sala sport	L. eng:Mir	L. rom :Ba	L. rom :Co	Ed. civica: Ed. fiz:lasi	L.rusa:Chi	Fizica:Str	Informat:f	L. rus :Jusc	Matemati	OP Inform	L. rom :Lu	Biologia :T	Istoria:Lur	Matem:Bc	L. rom			
14	Marți 6	Matematica:Borta N:229						Istoria:Bri	Ed. fiz:lasi	L. rom :Lu	L. lit rom :	1:L. eng:Bi	Informat:f	Chimia :Ce	Matematica:Mindres	L. rom :Co	Istoria:Lur	Fizica		
15	Marți 7							Ed. civica:Br	icari:321			L. rom :Popa:218		Matematica:Mindrescu:312						
16	Miercuri 1	Istoria:Amarii:228	Matemati	L. rom :Ba	Fizica:Str	L. rom :Po	L. lit rom :	2:Ed. tehn	Istoria:Lur	Biologia :C	Geografia	L. rom :Lu	Informat:f	1:L. eng:Bi	L. eng:luz	L. rus :Jusc	Fizica :Cek	Infor		
17	Miercuri 2	L. rus :Juscov S.:320	L. rom :Co	L. rom :Ba	Ed. plas:SI	Matemati	Matemati	Ed. civ :Tif	Ed. tehn:C	Matem:Bc	Fizica :Cek	Ed. fiz:lasi	Matem :B	Ed. civica: Chimia :Ce	Matemati	2:L. eng :S	Istori			
18	Miercuri 3	Matematica:Borta N:311	Op. toleranta:Trifan	Matem:Bc	Ed. plas:SI	L. eng:luz	Istoria:Lur	Chimia :Ce	L. rus :Jusc	Ed. muz:Fi	1:L. eng:M	L. lit rom :	L. rom :Lu	L. rom :Co	Ed. tehn:C	Ed. civica: Ed. fi				
19	Miercuri 4	1:Ed. tehn:Oaserele D:312	2:Ed. tehn	Matem :B	L. rom :Co	Ed. fiz:lasi	Fizica:Str	1:L. eng:Bi	L.rusa:Chi	Ed. civ :Tif	Matem:Bc	Matemati	L. lit rom :	L. rom :Lu	Geografia	Chimia :Ce	Biologia :T	2:L. e		
20	Miercuri 5	L. rom :Lungu:221	Istoria:Am	1:L. eng:M	Ed. fiz:lasi	Biologia :Ceban:403	L. rom :Po	Matemati	L. eng:Buc	OP Inform	Matemati	Istoria:Lur	L. rus :Jusc	Fizica:Str	Biologia :T	Ed. fiz:Slc	Mate			
21	Miercuri 6	Ed. civica:Br	icari:321			Biologia :C	L. rus :Juscov S.:320	Ed. fiz:lasi	L. rom :Lu	L. lit rom :	1:L. eng:Bi	Istoria:Lur	Biologia :Timuta:402	Matemati	L. eng:luz	Matem:Botnari				
22	Miercuri 7			L. rom :Co	Ed. fiz :Slovo M:Sala sport		L. rus :Juscov S.:320					L. rom :Popa:218		Matematica:Mindrescu:312						
23	Joi 1	2:L. eng:Mindru:307	L. rom :Co	Ed. fiz :Slc	1:Ed. tehn	L. rom :Po	Matemati	Fizica:Str	Ed. civ :Tif	OP Inform	2:L. eng :S	Chimia :Ce	Matem :B	L. rus :Jusc	Ed. fiz:lasi	Istoria:Lur	L. rom :Lu	Geog		
24	Joi 2			Ed. tehn :S	L. rom :Ba	Istoria:Bri	Matemati	Matemati	L. rom :Po	Dirigen	Ba	Ed. fiz:lasi	Chimia :Ce	L. rom :Lu	L. lit rom :	1:L. eng:Bi	Biologia :T	OP Inform	Istoria:Lur	2:L. e

DB Orar 2016-17

**COPY**

DB Orar 2014-2015b

DB Orar 2014-2015a

DB Orar 2014-2015

DB Orar 2015-2016a

DB Orar 2015-2016

chimia

matem

istoria

L.româ

5A

5B

5C

6A

Profesoara Ana

Ion

Radu

Dima

cabinet100

101

210

304

Schedule Orar 1

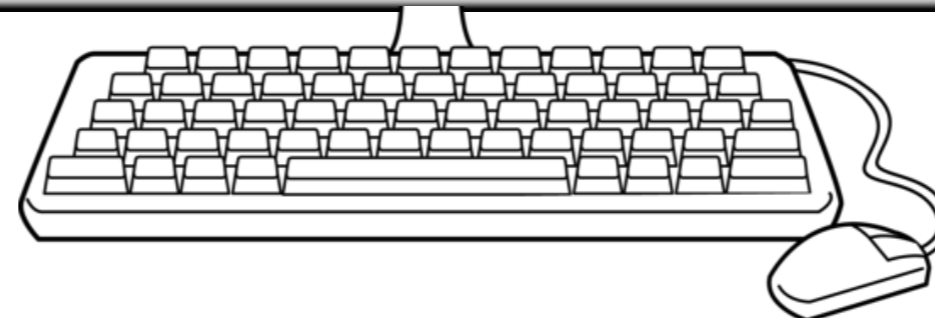
Schedule Orar 2

Schedule Orar 3

Schedule Orar 4

Schedule Orar 5

**Copy these too?**

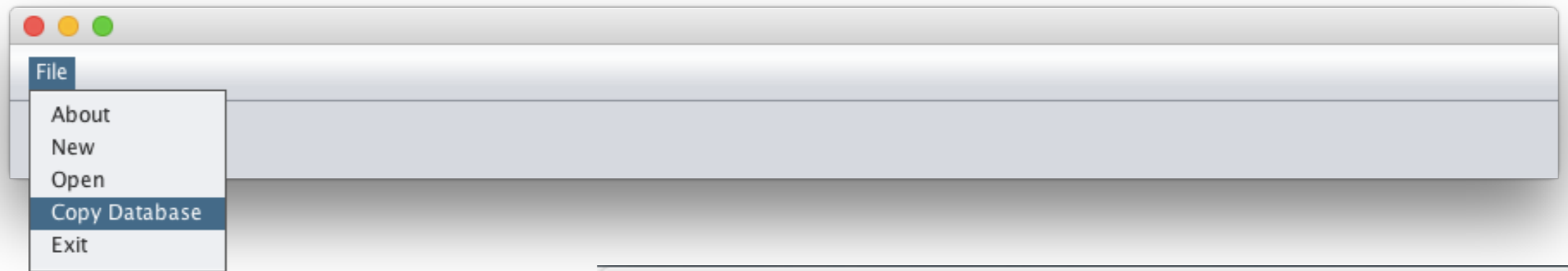


# Copy a Database

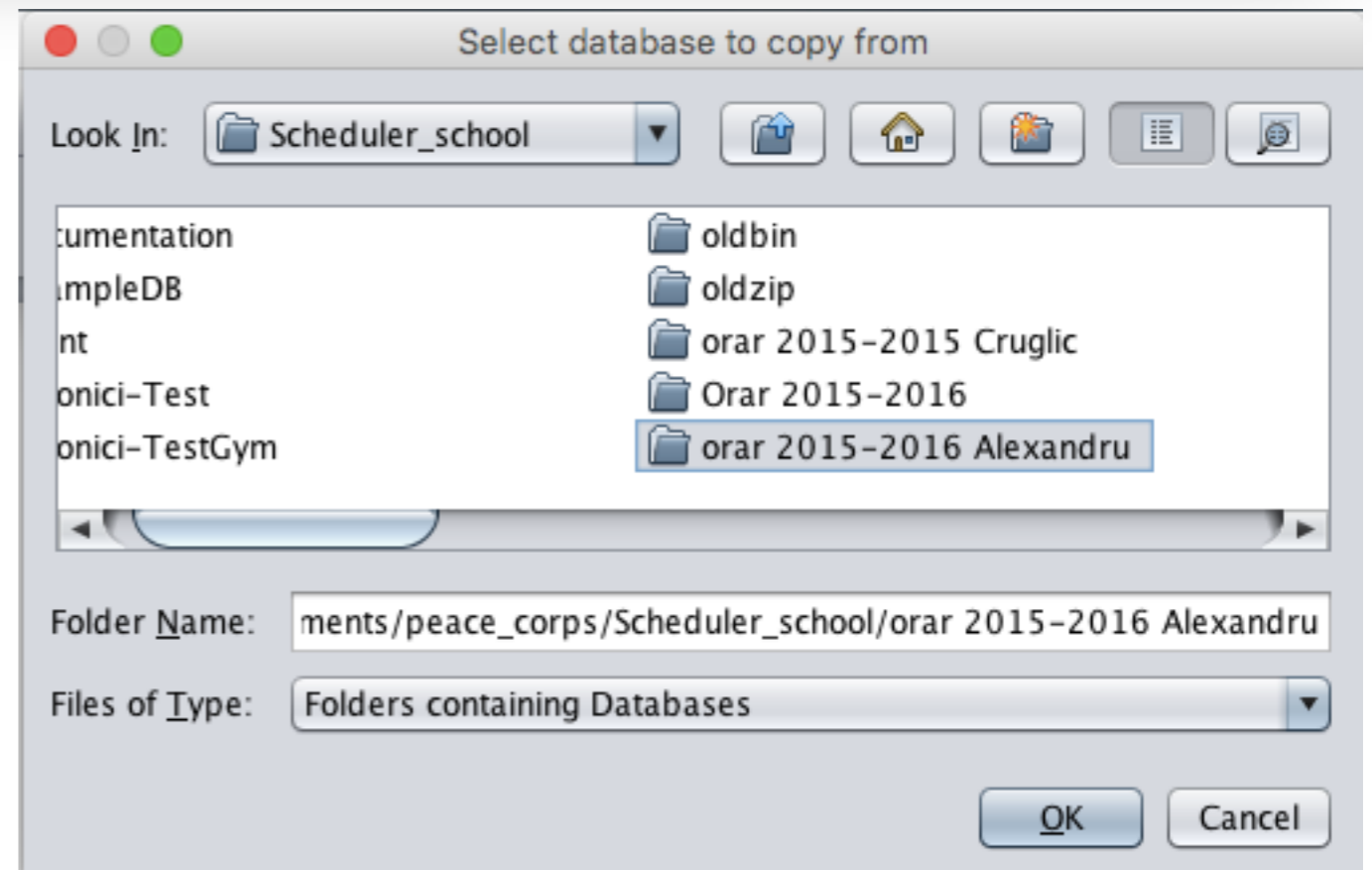
For next year

1. Duplicate this year's school information already in Class Scheduler Program
2. Make changes

## 1. Select "Copy Database"

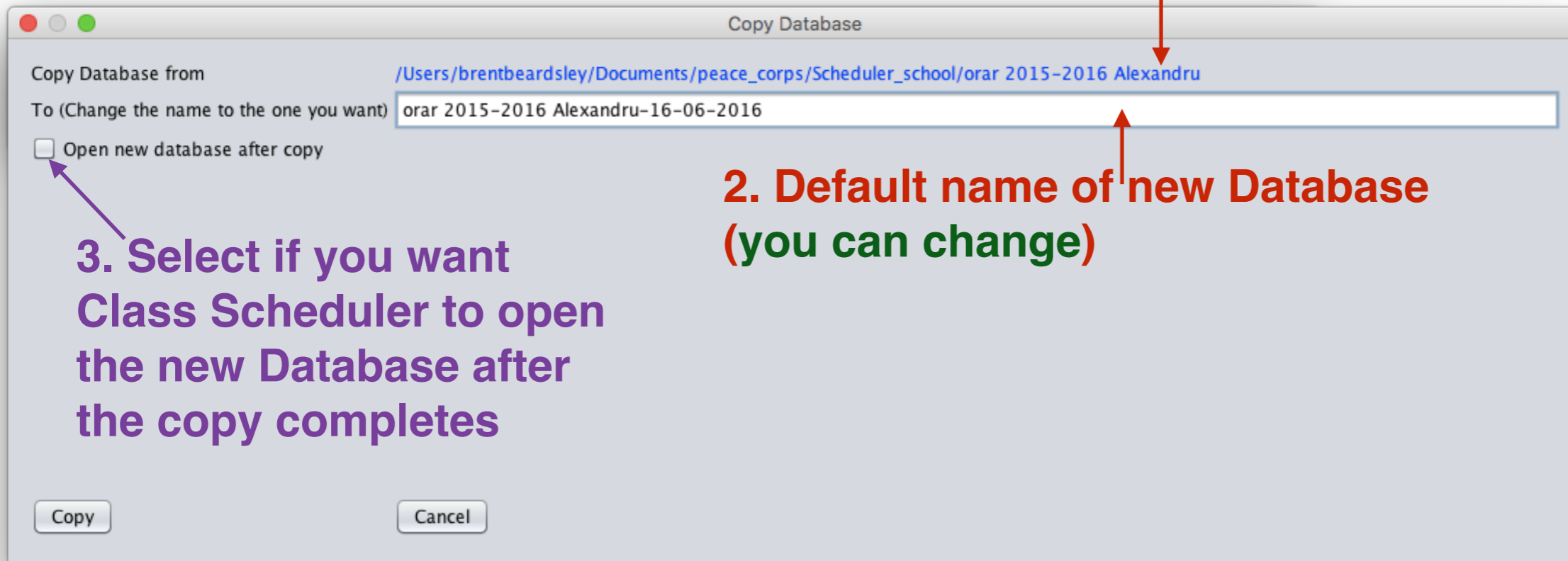


## 2. Select the database you want to copy. Example "orar 2015-2016 Alexandru"



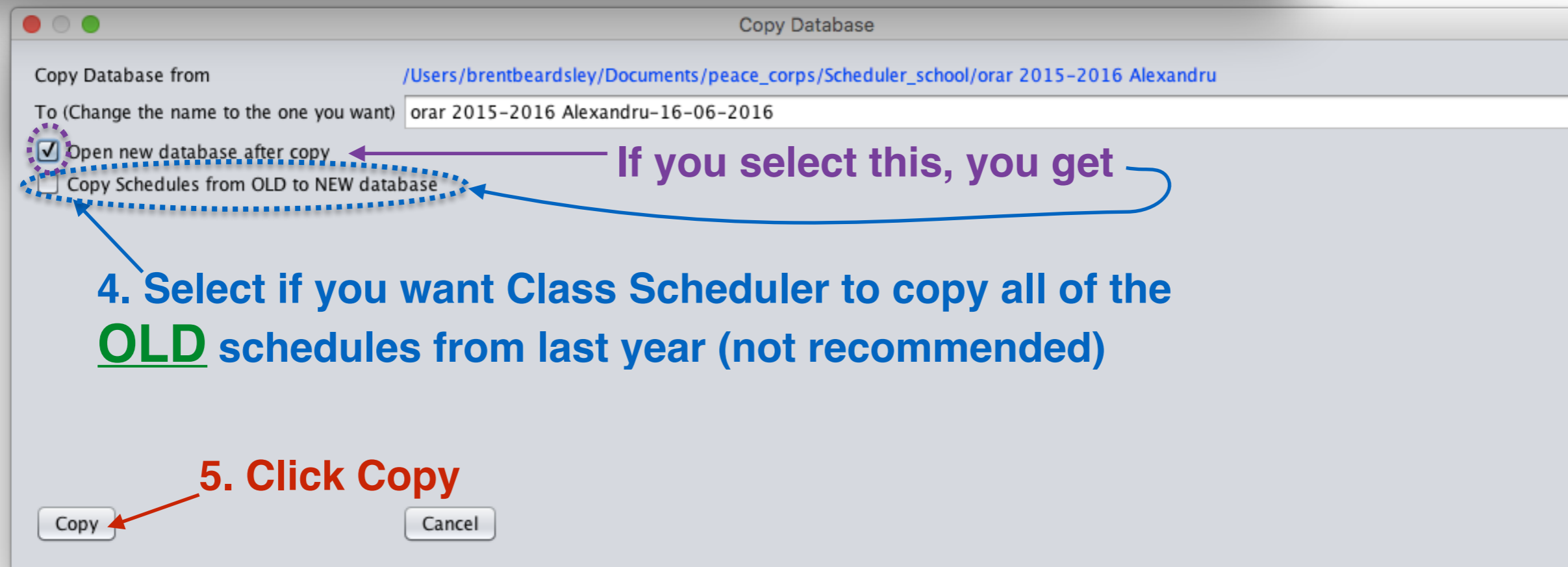
# Copy a Database

1. Name of old Database



2. Default name of new Database  
(you can change)

3. Select if you want  
Class Scheduler to open  
the new Database after  
the copy completes



If you select this, you get

4. Select if you want Class Scheduler to copy all of the **OLD** schedules from last year (not recommended)

5. Click Copy



DB Orar 2016-17 **NEW**

**Rename**

chimia  
matem  
istoria  
L.româ

5A  
5B  
5C  
6A

Profesoara Ana  
Ion  
Radu  
Dima

cabinet100  
101  
210  
304

Schedule Orar 1  
Schedule Orar 2  
Schedule Orar 3  
Schedule Orar 4  
Schedule Orar 5

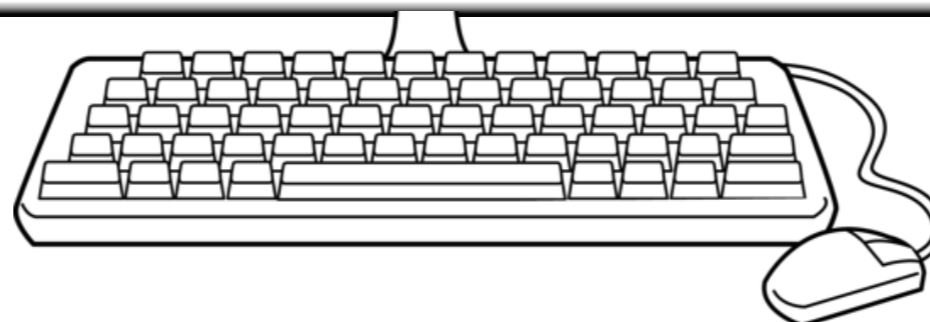
DB Orar 2014-2015b

DB Orar 2014-2015a

DB Orar 2014-2015

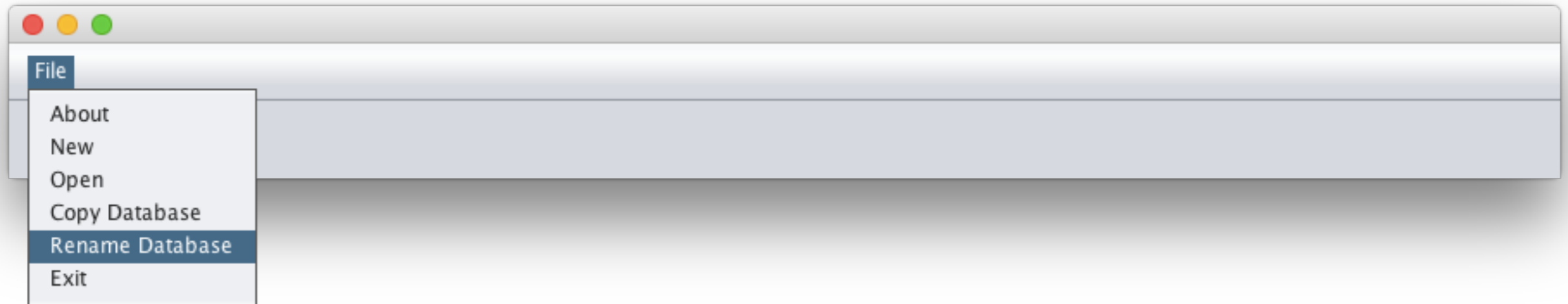
DB Orar 2015-2016a

DB Orar 2015-2016

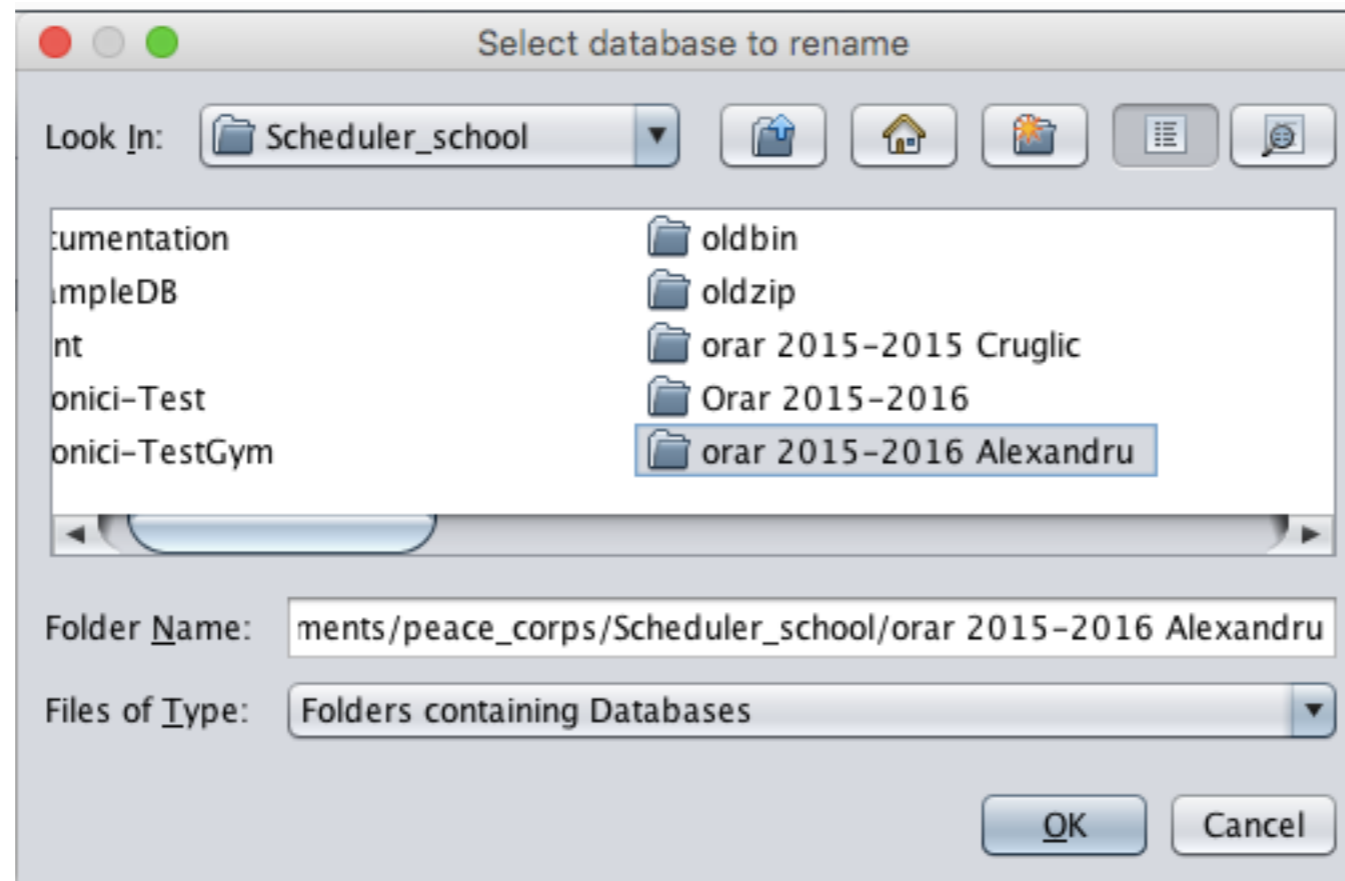


# Rename a Database

## 1. Select “Rename Database”

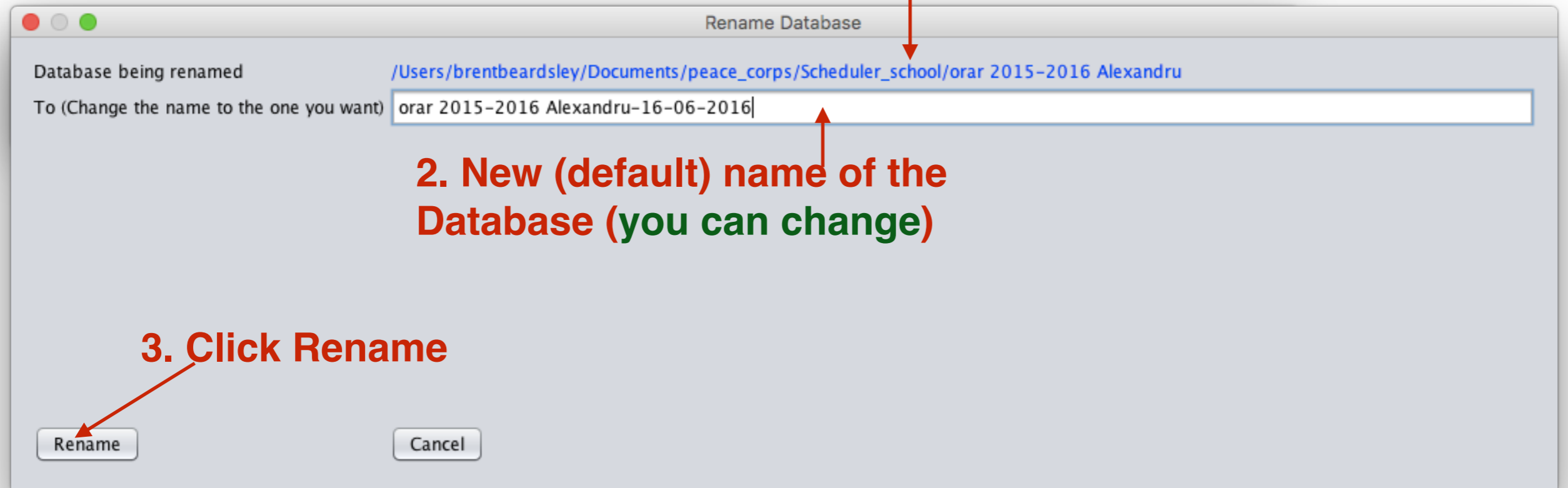


## 2. Select the database you want to rename. Example “orar 2015-2016 Alexandru”



# Rename a database

## 1. Current name of the Database



# Summary

## The Class Scheduler program:

- ♦ Accepts **requirements** from the adjunct director.
- ♦ **Displays** the schedule in various formats: **by teacher, by class**.
- ♦ **Automatically generates** schedules, **many** different workable **schedules** each time.
- ♦ Alternatively allows the user to copy his or her **manually** generated schedule into the program.
- ♦ **Checks** the schedule for **conflicts** and verifies that all **requirements** have been met.
- ♦ Exports the schedule to **Excel** which can then **print** it.
- ♦ and more ...

## Additionally:

- ♦ **It is absolutely free**
- ♦ It is available in Romanian, Russian, and English

Thank You

Questions?