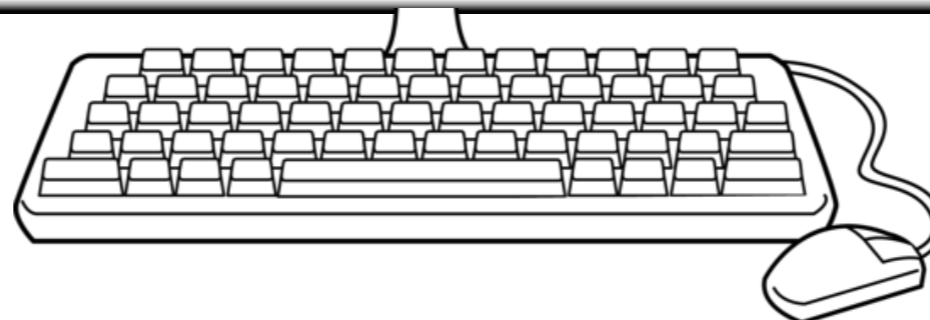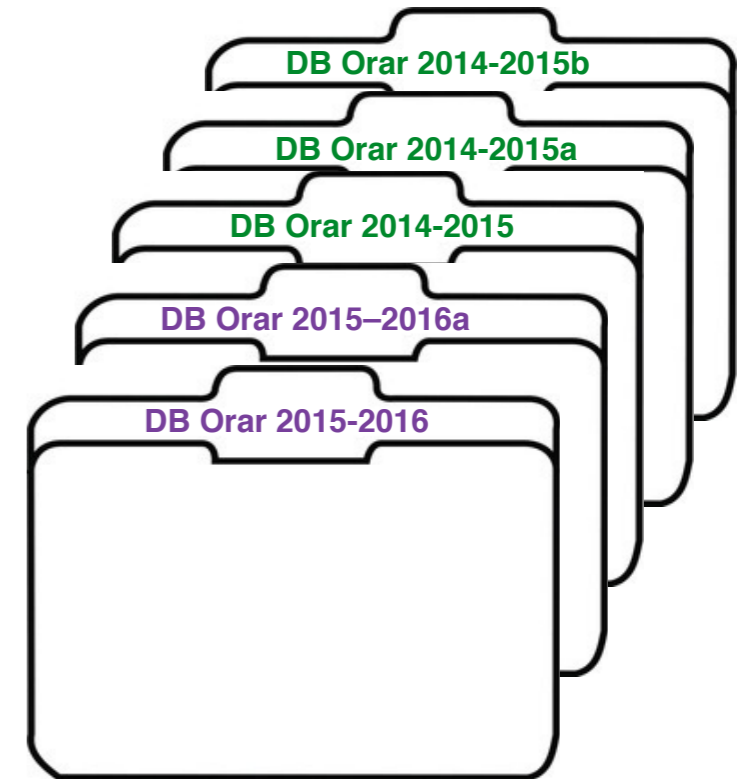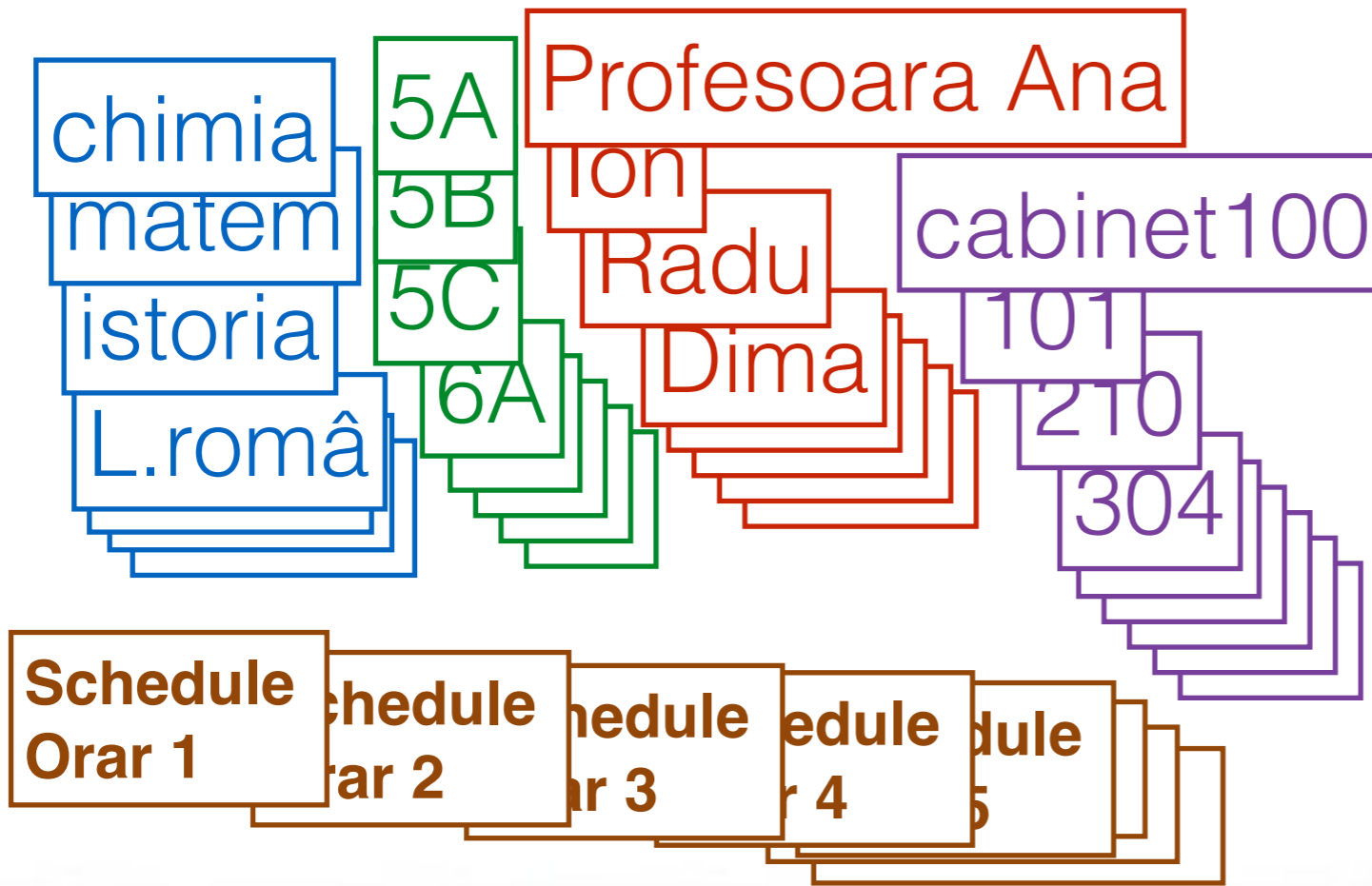# Class Scheduler Program

Brent & Deeporn Beardsley
Peace Corps Volunteers
Moldova 2014-2016
www.BrentInMoldova.Weebly.com

DB Orar 2016-17

DB Orar 2014-2015b
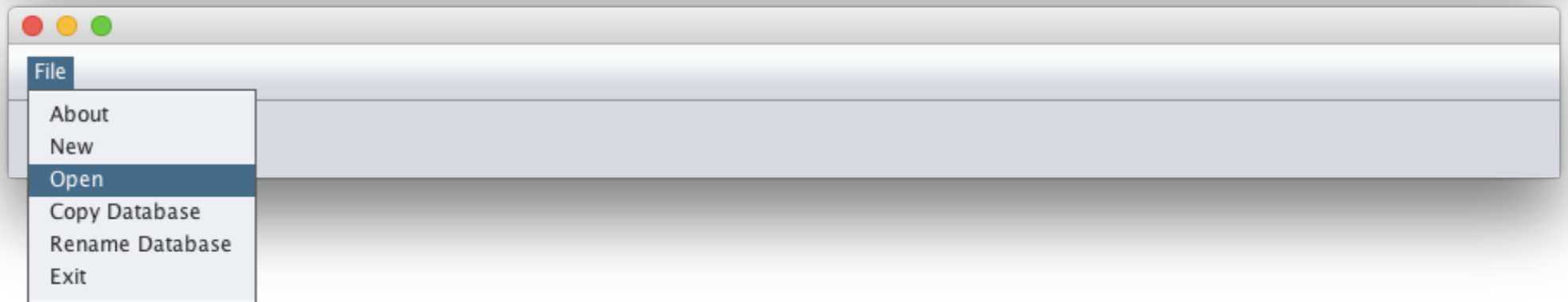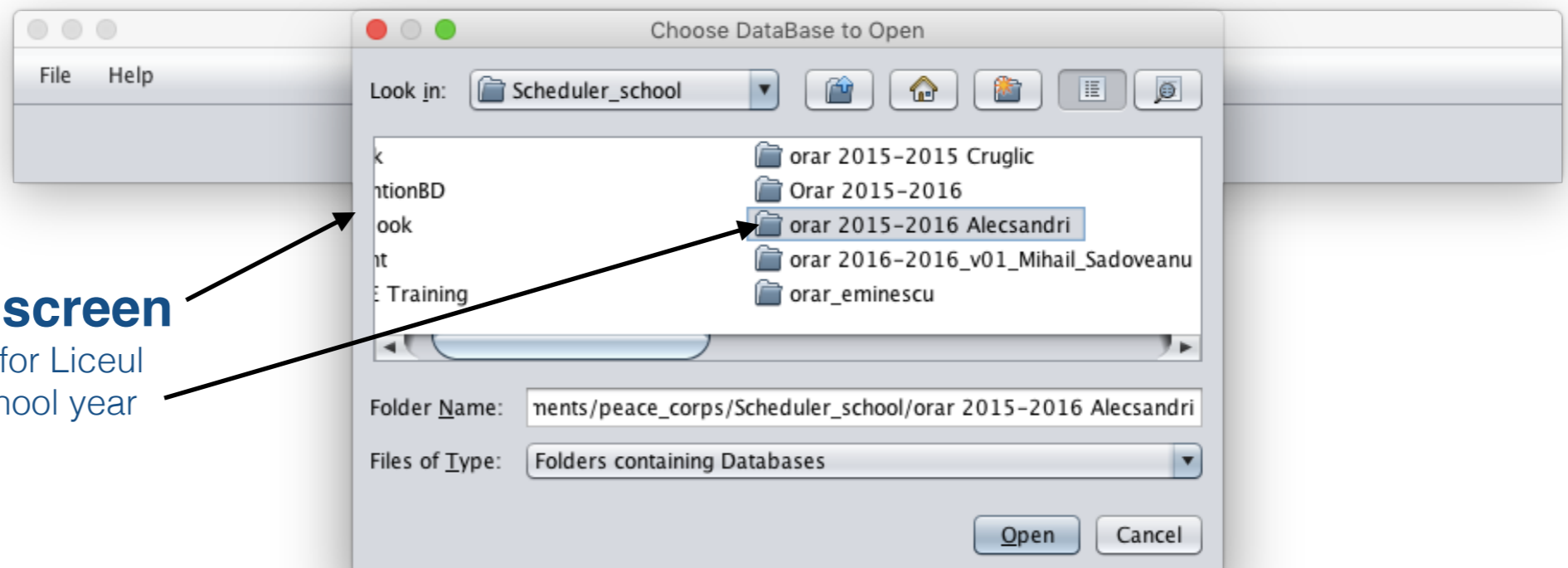DB Orar 2014-2015a
DB Orar 2014-2015
DB Orar 2015–2016a
DB Orar 2015-2016

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

Opening screens

1

File

2

File
- About
- New
- **Open**
- Copy Database
- Rename Database
- Exit
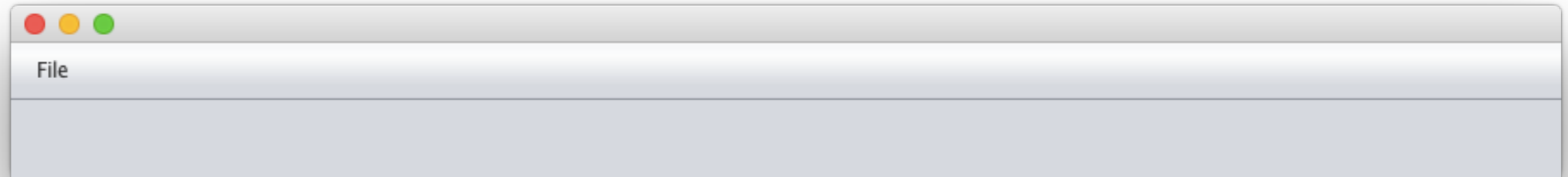
3

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

Choose DataBase to Open

Look in: Scheduler_school

- orar 2015-2015 Cruglic
- Orar 2015-2016
- orar 2015-2016 Alecsandri
- orar 2016-2016_v01_Mihail_Sadoveanu
- orar_eminescu

File   Help

Folder Name: nents/peace_corps/Scheduler_school/orar 2015-2016 Alecsandri

Files of Type: Folders containing Databases

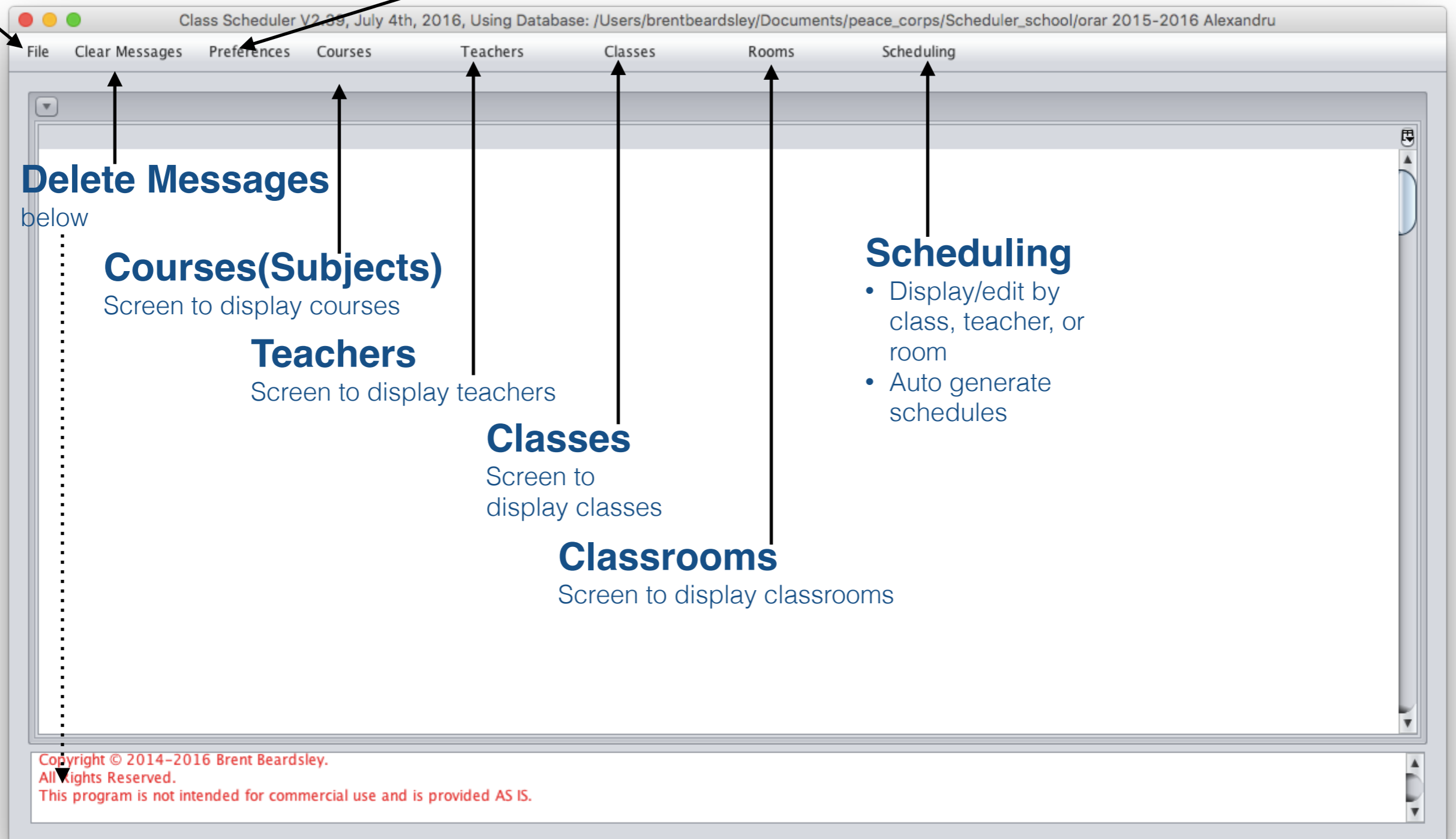Open   Cancel

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.)

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

Delete Messages

below

Courses(Subjects)

Screen to display courses

Teachers

Screen to display teachers

Classes

Screen to display classes

Classrooms

Screen to display classrooms

Scheduling

- Display/edit by class, teacher, or room
- Auto generate schedules

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Preferences (1/4)

Set Logging preferences

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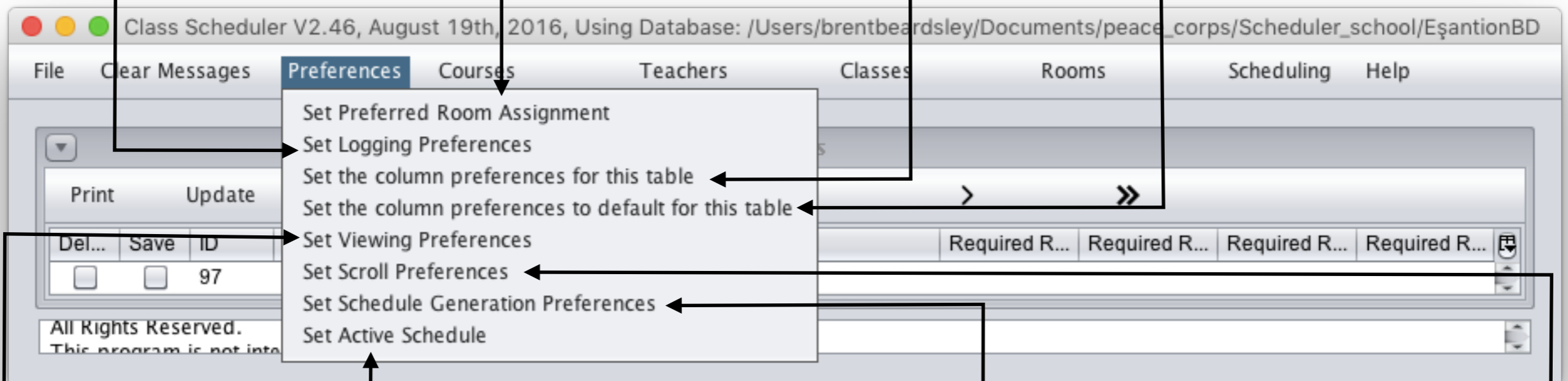
Set Column preferences

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.

Class Scheduler V2.46, August 19th, 2016, Using Database: /Users/brentbeardsley/Documents/peace_corps/Scheduler_school/EşantionBD

File   Clear Messages   **Preferences**   Courses   Teachers   Classes   Rooms   Scheduling   Help

Set Preferred Room Assignment
Set Logging Preferences
Set the column preferences for this table
Set the column preferences to default for this table
Set Viewing Preferences
Set Scroll Preferences
Set Schedule Generation Preferences
Set Active Schedule

Print   Update

Del... Save ID
☐ ☐ 97

All Rights Reserved.
This program is not int...

Required R... Required R... Required R... Required R...

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 (**<< >>**)
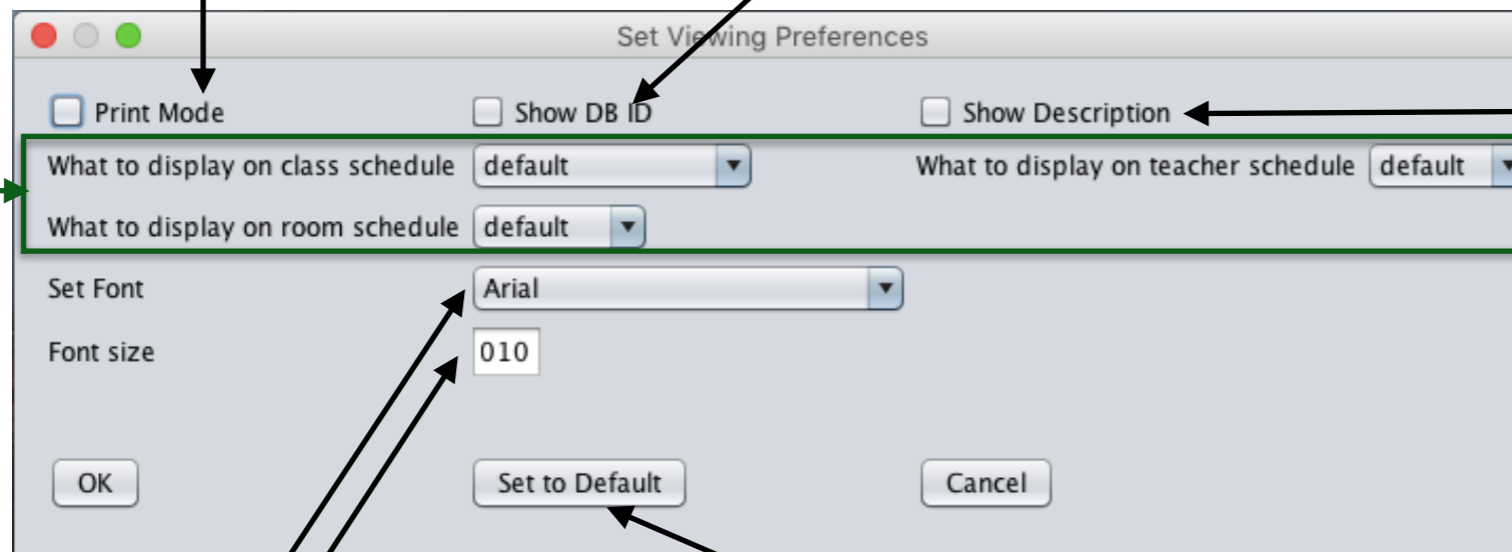
Print Mode

- 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.

Set Viewing Preferences

☐ Print Mode   ☐ Show DB ID   ☐ Show Description

What to display on class schedule [default ▾]   What to display on teacher schedule [default ▾]

What to display on room schedule [default ▾]

Set Font [Arial ▾]

Font size [010]

[OK]   [Set to Default]   [Cancel]

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
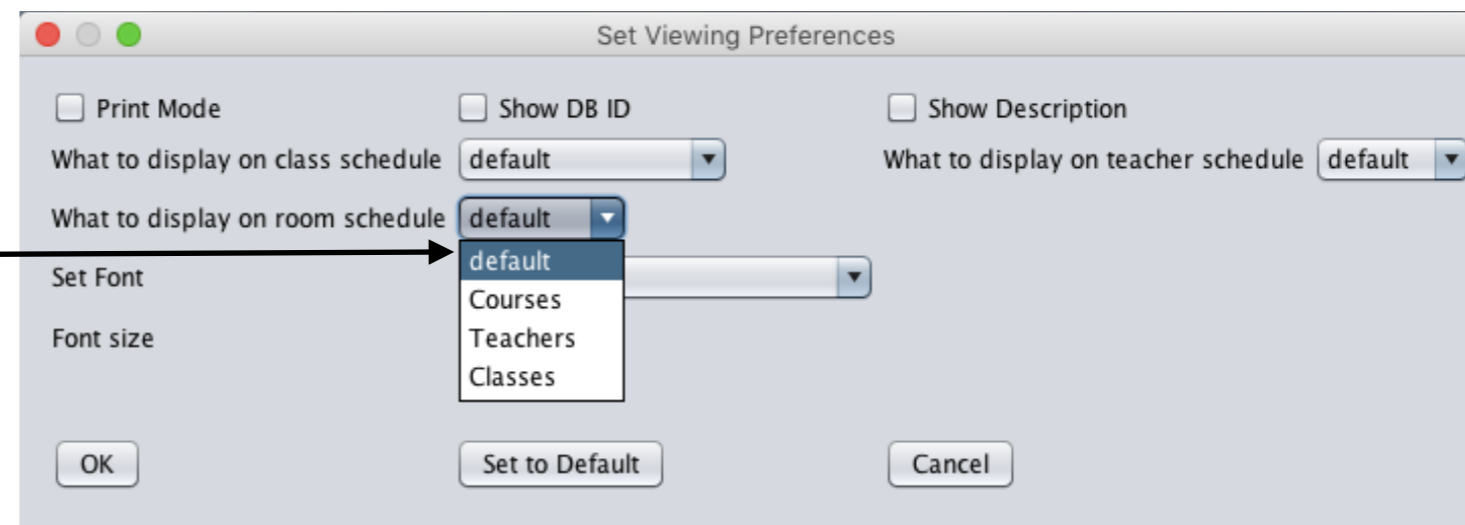
Default - Course : Teacher : Room
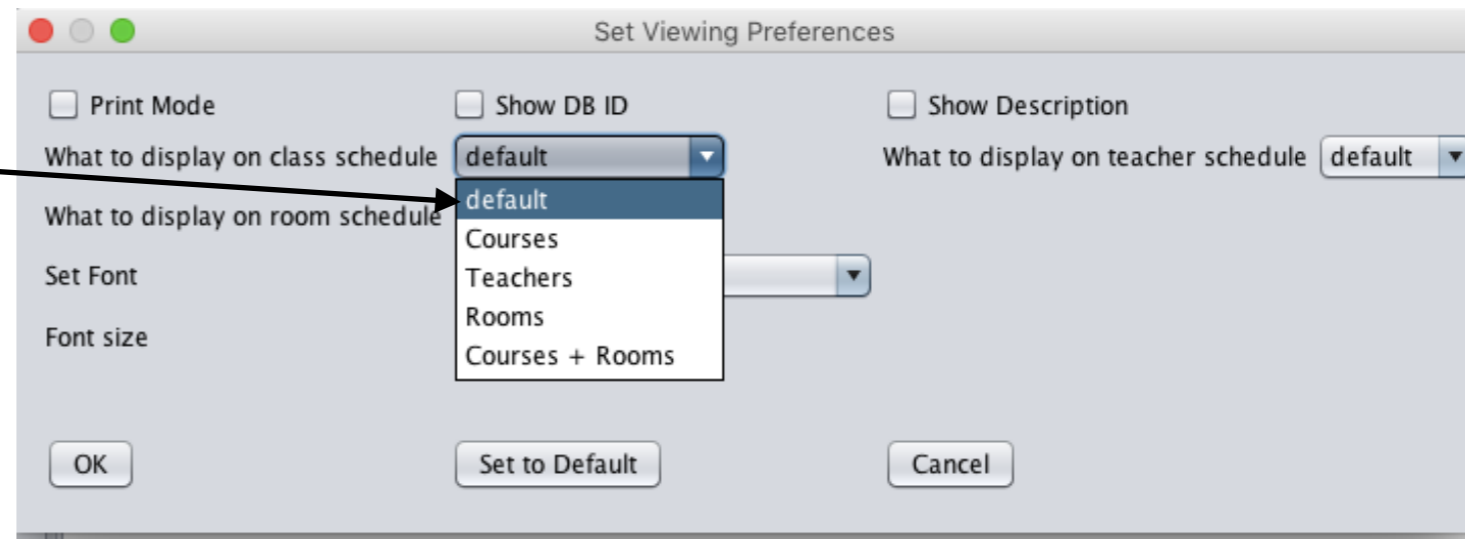
Schedule display by teacher

Default - Class : Course : Room
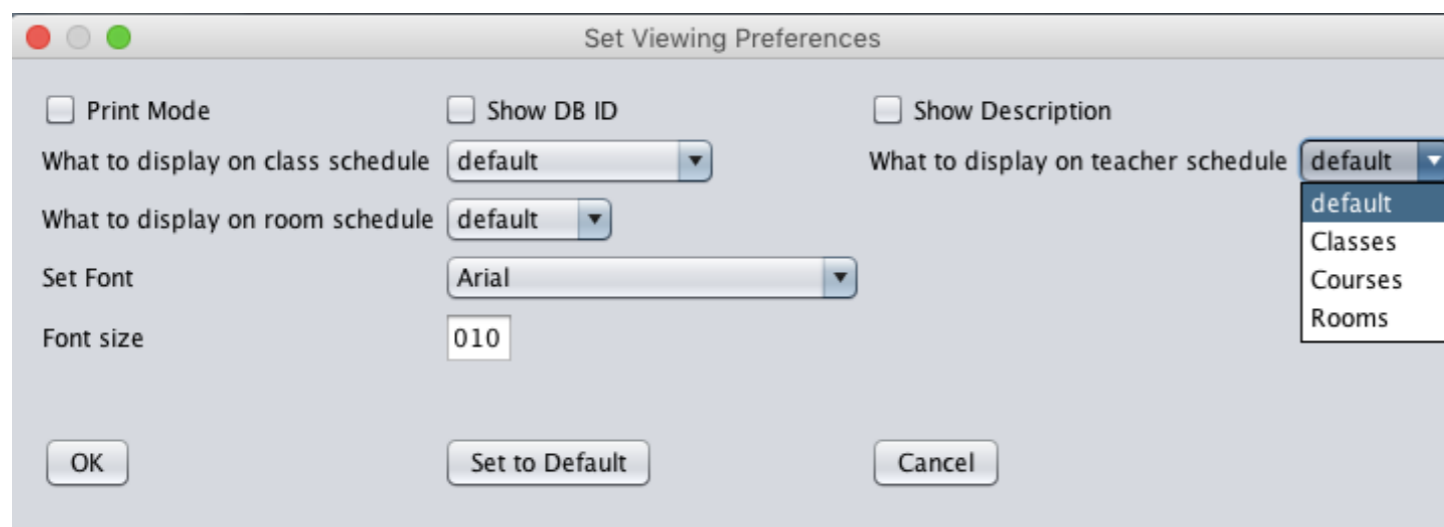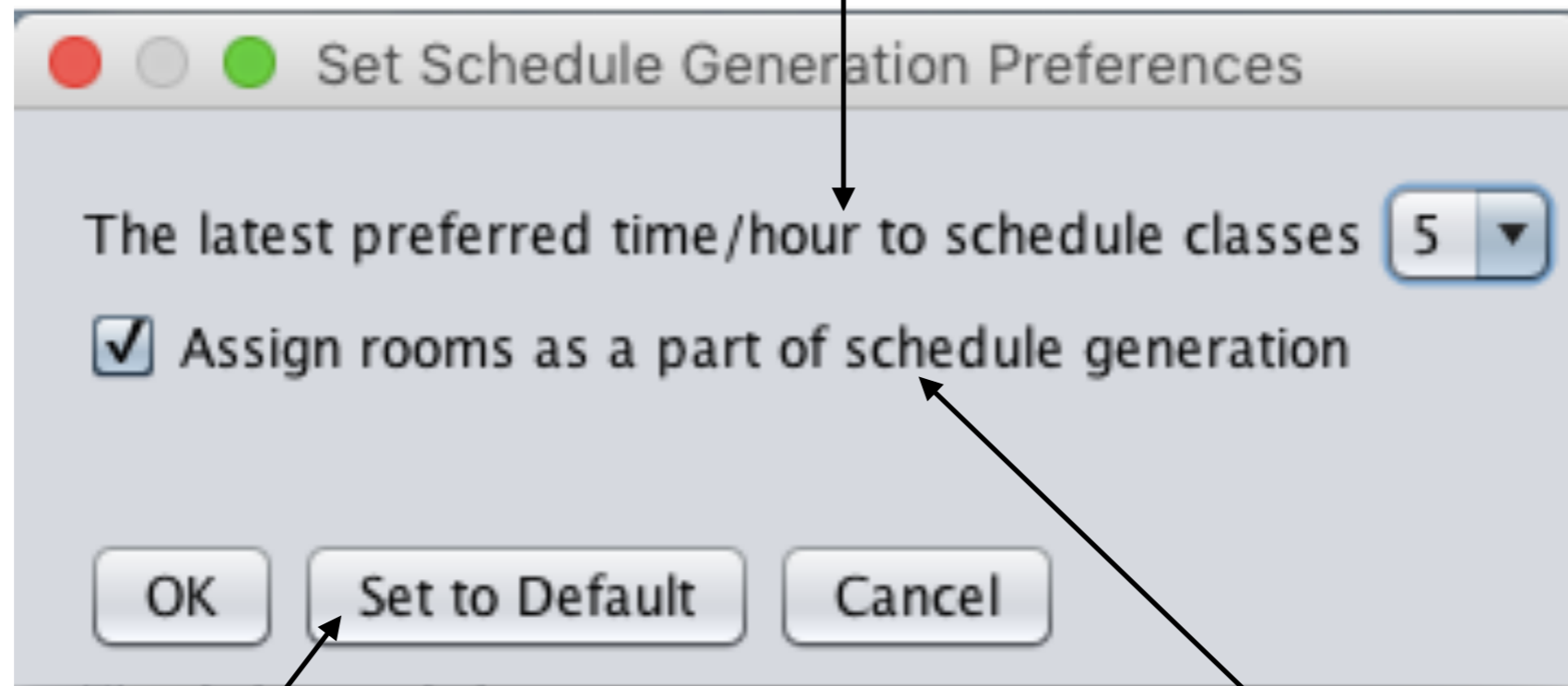
Schedule display by room

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 Schedule Generation Preferences

The latest preferred time/hour to schedule classes   5 ▼

☑ Assign rooms as a part of schedule generation

OK   Set to Default   Cancel

Assign rooms as a part of schedule generation
Indicate whether you want rooms assigned when schedules are generated by the program

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

"Course" Screen

Add a new course

Restore from DB
Discard unsaved changes and get info from DB

Scroll left multiple columns
Scroll left 1 column
Scroll right 1 column

Save updates to DB (Database)

Scroll right multiple columns

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

Courses

| Print | Update | Refresh | Add | « | < | > | » |

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

"Teacher" Screen

Minimum teaching hours per week

Maximum 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

Teachers

Print   Update   Refresh   Add   «   <   >   »

Delete	Save	ID	Name	MinClasses	MaxClasses	Courses1	Courses2	Courses3	Courses4	NotAv...	NotAv...	NotAv...	NotAv...
☐	☐	36	Amarii	5	40	Istorie:Amarii 5A, 5...							
☐	☐	9	Bagrii	5	40	Dirigenția:Bagrii 1...	L rom :Bagrii A 5A,...						
☐	☐	19	Balic V	5	40	Dirigenția:Balic ,7B...	Informatică:Balic V...	Matematică:Balic V...					
☐	☐	20	Balic s	5	40	Informatică:Balic S ...							
☐	☐	7	Bolea	5	35	Dirigenția:Bolea 1...	L fran:Bo lea T 11...	L fran II:Bo Lea T 1...					
☐	☐	18	Borta N	5	35	Dirigenția:Borta N ...	Matematică:Borta ...	OP Inform:Borta 7B...					
☐	☐	15	Botnari	5	40	Matematică:Botnar...							
☐	☐	51	Bricicari	5	35	Dirigenția:bricicari ...	Ed civică:Bricicari ...	Istorie:Bricicari 6A, ...					
☐	☐	1	Budoian	5	35	Dirigenția:Budoian...	L eng:Budoian A 1...	L eng II:Budoian A ...					
☐	☐	31	Buga	5	40	Geografie:Buga T ...							
☐	☐	24	Ceban	5	40	Biologie:Ceban, 5...	Chimie:Ceban 9A, ...	Dirigenția:Cioban ...					
☐	☐	21	Cebotari	5	40	Dirigenția:Cibotari ...	Fizică:Cebotari An...						
☐	☐	40	Chitoroaga I	5	35	Ist muzicii:Chitoroa...							
☐	☐	54	Chitoroaga S	5	35	L rusă:Chitoroaga ...							
☐	☐	12	Coada V	5	40	L rom :,Coada v. 5...							
☐	☐	6	Coscodan	5	40	L fran:Coscodan 1...							
☐	☐	38	Cvasniuc	5	40								
☐	☐	37	Enache	5	40	Istorie:Enache 11...							
☐	☐	43	Fîntînari	5	40	Ed. muzica:Fintinar...							
☐	☐	26	Gheciu	5	14	Chimie:Gheciu N 1...				Marți 1	Marți 2	Marți 3	Marți 4
☐	☐	27	Gheciu Z	5	35	Biologie:Gheciu z ...							
☐	☐	30	Iasinschi	5	40	Ed fizica:Iasinschi ...							
☐	☐	3	Iuzvac	5	35	Dirigenția:Iuzvac 6A	L eng:Iuzvac 6A, 8...	Lit. universala:Iuzv...					
☐	☐	49	Juscov S.	5	35	Dirigenția:Juscov ...	L rusă:Juscov 6A,6...						
☐	☐	11	Lungu	5	35	Dirigenția:Lungu A...	Dirigenția:Lungu A...	L rom :Lungu A 5B,...					
☐	☐	46	Lungu V	5	35	Dirigenția:lungu v ...	Istorie:Lungu V 11...						

"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)

Class Scheduler V2.39, July 4th, 2016, Using Database: /Users/brentbeardsley/Documents/peace_corps/Scheduler_school/orar 2015-2016 Alexandru

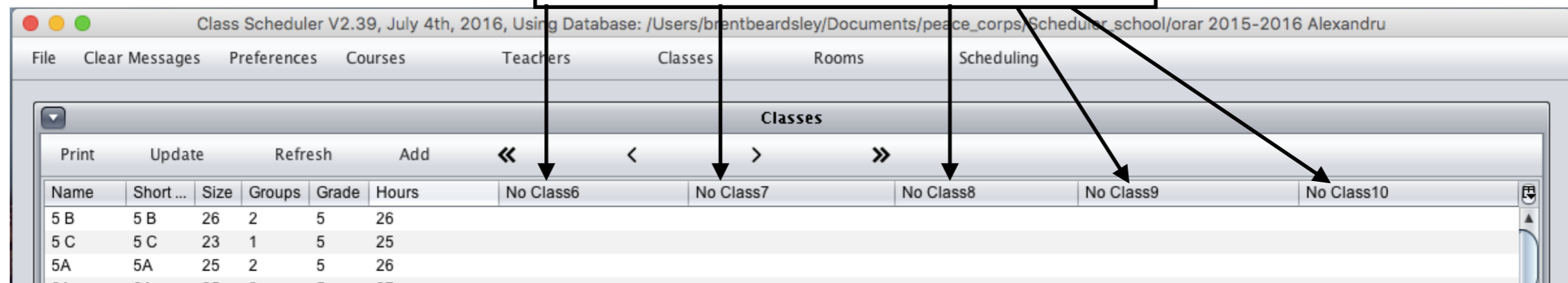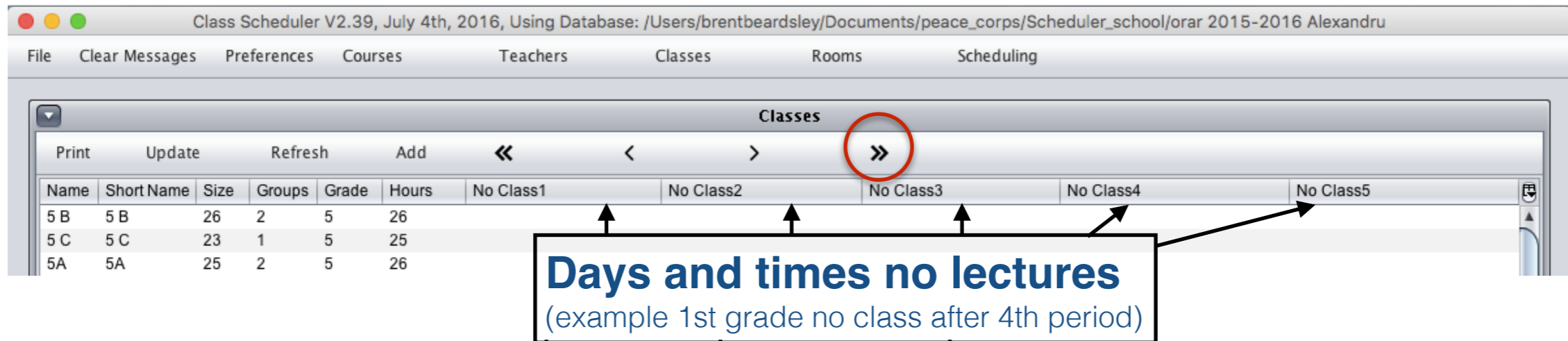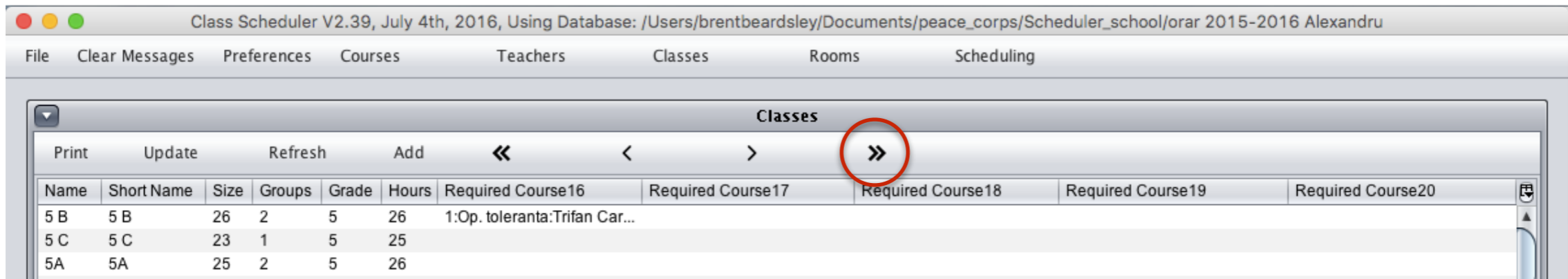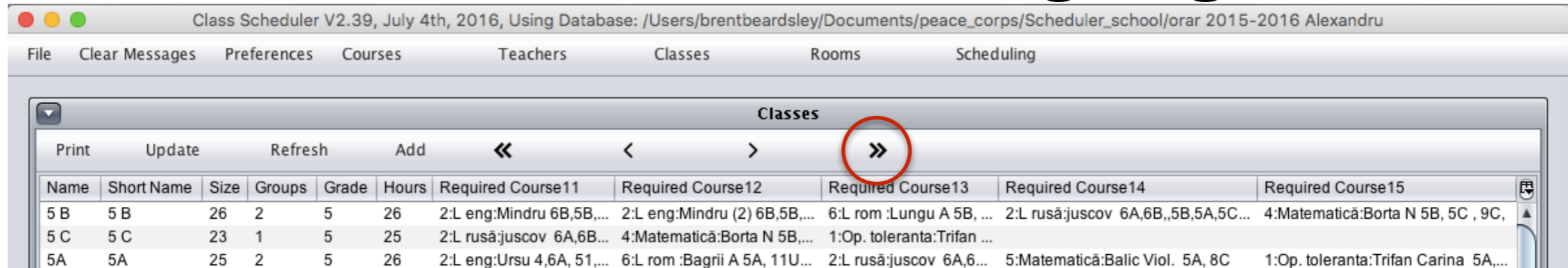File   Clear Messages   Preferences   Courses   Teachers   Classes   Rooms   Scheduling

Classes

Print   Update   Refresh   Add   «   ‹   ›   »

Name	Short 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:Iasinschi ,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:Iuzvac 6A	1:Ed civică:Bricicari 5A...	2:Ed fizică:Iasinschi ,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:Iasinschi ,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:Iasinschi ,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:Iasinschi ,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:Iasinschi ,5C,6A6B, 6C,...
7C	7C	23	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:Iasinschi ,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:Iasinschi ,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:Iasinschi ,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:Iasinschi ,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:Iasinschi ,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:Iasinschi ,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:Iasinschi ,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...

"Class" Screen, scrolled right

"Class" screen, scrolling right more

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 Course11	Required Course12	Required Course13	Required Course14	Required Course15
5 B	5 B	26	2	5	26	2:L eng:Mindru 6B,5B,...	2:L eng:Mindru (2) 6B,5B,...	6:L rom :Lungu A 5B, ...	2:L rusă:juscov 6A,6B,,5B,5A,5C...	4:Matematică:Borta N 5B, 5C , 9C,
5 C	5 C	23	1	5	25	2:L rusă:juscov 6A,6B...	4:Matematică:Borta N 5B,...	1:Op. toleranta:Trifan ...		
5A	5A	25	2	5	26	2:L eng:Ursu 4,6A, 51,...	6:L rom :Bagrii A 5A, 11U...	2:L rusă:juscov 6A,6...	5:Matematică:Balic Viol. 5A, 8C	1:Op. toleranta:Trifan Carina 5A,...

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 Course16	Required Course17	Required Course18	Required Course19	Required Course20
5 B	5 B	26	2	5	26	1:Op. toleranta:Trifan Car...				
5 C	5 C	23	1	5	25					
5A	5A	25	2	5	26					

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	No Class1	No Class2	No Class3	No Class4	No Class5
5 B	5 B	26	2	5	26					
5 C	5 C	23	1	5	25					
5A	5A	25	2	5	26					

Days and times no lectures
(example 1st grade no class after 4th period)

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 ...	Size	Groups	Grade	Hours	No Class6	No Class7	No Class8	No Class9	No Class10
5 B	5 B	26	2	5	26					
5 C	5 C	23	1	5	25					
5A	5A	25	2	5	26					
6A	6A	25	2		27					

"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 :,Coada 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 şi lit rom:Ursu M 8C, 6C, 7C, 8C ,12R	4:Matematica :Rusu N 6C, 8B	...	4...	1...
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 şi 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,		...	3...	
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 ,	...		

"Class" Screen
Course description showing <u>groups</u> - 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

This can be hidden using "Preferences"

Group Number

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

Number of lectures per week

"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

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

Rooms

Print   Update   Refresh   Add   «   ‹   ›   »

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

Identification (ID)
A number assigned and used by the program to track this room. This is not anything for users to be concerned about.

Update
Update this room in the DB on the next DB update. It is also automatically turned on when you click a room to edit

Delete
Delete this room from the DB on next DB update

Working with "Schedules"

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

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

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

Auto generate schedules

...ardsley/Documents/peace_corps/Scheduler_school/orar 2015-2016 Alexandru

File   Clear Messages   Preferences   Courses   Teachers   Classes   Rooms   **Scheduling**

Rooms

Room's Teacher | Room's Teacher

Chitoroaga I

Tulbu

Scheduling menu:
- Schedules
- Copy
- ByClass
- ByTeacher
- byRoom
- Class-compressed
- Teacher-compressed
- 1 Teacher
- 1 Class
- Check for errors
- Generate a Schedule
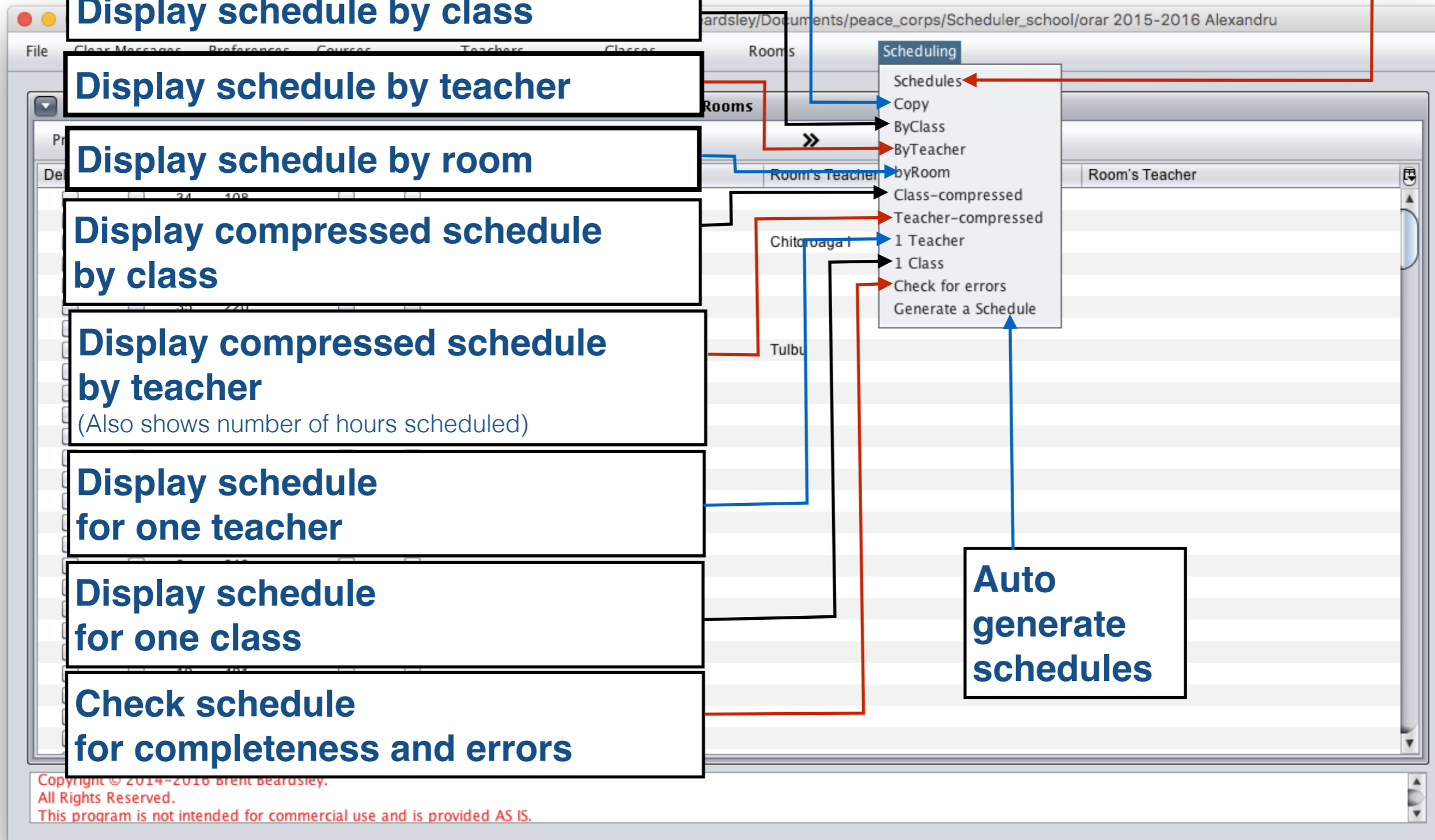
"Schedules" Screen

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.*

Class Scheduler V 2.39, 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
☐	☐	☑	35	Best Schedule		47329.0
☐	☐	☐	1	Lipsa versiunii		0.0
☐	☐	☐	2	face		0.0
☐	☐	☐	69	face#0#2016-06-23#5005.		50050.0
☐	☐	☐	70	face#1#2016-06-23#1543.		154306.0
☐	☐	☐	71	face#2#2016-06-23#4146...		414659.0
☐	☐	☐	72	face#3#2016-06-23#6473.		647306.0
☐	☐	☐	68	face#4#2016-06-21#3535.		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

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

face#0#2016-01-29#43311.0

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

Date generated

Score

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 |

| Chimie |
| Compoziție |
| Cultura bunei vecinătăți |
| Dactilografiere |
| Dans classic |
| Dans popular/scenic/sportiv |
| Desen |
| Dezv percepției tactile si a motoricii inferioare |

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

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   [▾]

[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

USEFUL

[OK]   [Cancel]

1. Add/Edit a "Course"/subject

Not using the description

4 teachers for Limbă Romană
- 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

- 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

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

Classes

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

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.

Subjects

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

Teachers

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

Classes

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

- 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

1. Add/Edit a "Course"/subject

Course name

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 [▼]

[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

Add courses

1 Select course from pulldown list

2 Add

3 Course will display

Repeat 1, 2

Update a Teacher

15-2016 Alexandru

ID: 26 ☐ Delete ☑ Save Name Gheciu

Minimum number of classes to teach each week 5

Maximum number of classes to teach each week 14

Add or Delete Teacher Class Qualifications

Course Selection [▼] **1**

2 [Add]

List of Courses
Select Courses you would like to delete

Chimia :Gheciu N 10R, 10U, 12R, 11R, 12U1, 11U1, 11

3

Times Not Available to Teach

Select the day [Luni ▼]

Select the time [1 ▼]

[Add]

List of times class not in school
Select times you would like to delete

Marți 1
Marți 2
Marți 3
Marți 4
Marți 5
Marți 6
Marți 7
Mercuri 1

Not... Not... Not... Not... Not...

[OK]   [Cancel]

	26	Gheciu	5	14	Chimia :Gh...		Mar... Mar... Mar... Mar... Mar... Mar... Me... Mer... Me... Mer... Me... Me... Me...
☐ ☐	27	Gheciu Z	5	35	Biologia:G...		
☐ ☐	30	Iasinschi	5	40	Ed. fiz:Iasi...		
☐ ☐	3	Iuzvac	5	35	Dirigent:Iuz... 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:Iun... Istoria:Lun...		

General information

(edit only, not shown on add)

Delete

Update

Actual size of class
(students)

Number of groups
(usually no more than 3)

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

Grade (Form)

Short class name
(should be in Arabic numerals)

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
[▼]
☐ Allow to be combined with another class
Sessions/Week [   ] [Entire Class ▼]
[Add]
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:Diriginţia: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
[   ]
[Save aggregate]

Class not in session times
Select the day [Luni ▼]
Select the time [1 ▼]
[Add]
List of times no class
Select times you would like to delete
[   ]

Specify hours when class does NOT meet (rarely used)

[OK] [Cancel]

Specifying when it does **NOT** meet

Class not in session times

Select the day **Luni** ▾

Select the time **1** ▾

Add

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

Groups and aggregating them

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

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		

Groups and aggregating them and permit class to combine

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		

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**

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
2 ☐ Allow to be combined with another class
Sessions/Week 3   Entire Class 4
5 Add
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 6
Edit the selected aggregate
☐ Delete
Add course to aggregate Ed. tehn:Oaserele D 5A, 5B,:1 7 8
List of courses in aggregate
Select course you would like to remove from aggregate

Save aggregate 9

OK   Cancel

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

Name: 8B   Short Name: 8B

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

Size: 40   Number of Groups in Class: 1   Grade: 0

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   Luni ▾

Select the time   1 ▾

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...

New Class

Name 8B   Short Name 8B

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

Size 40   Number of Groups in Class   Grade 0

| 5A |
| 6A |
| 6B |
| 6C |
| 7A |
| 7B |
| 7C |
| 8A |

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 ... at same time
Add / Select an aggre...
[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

[Save aggregate]

Class not in session times
Select the day Luni ▼

Select the time 1 ▼

[Add]

List of times no class
Select times you would like to delete

[OK] [Cancel]

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

And the data will be copied

4.Add/Edit a "Classroom" (1/3)

Set in "Preference": For schools where <u>students move</u> 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

...corps/Scheduler_school/orar 2015-2016 Alexandru

ID: 5   ☐ Delete   ☑ Save Name [228_____1____]   2☐Special Purpose 3☐Classes share

ons Scheduling

Add/Delete Teachers

Select Teacher   [____4____ ▾]

[Add] 5   Room's 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 <u>teachers move</u> 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**

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   [▼]

[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   [▼]

[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
☐	☐	☑	35	Best Schedule		47329.0
☐	☐	☐	1	Lipsa versiunii		0.0
☐	☐	☐	2	face		0.0
☐	☐	☐	69	face#0#2016-06-23#5005...		50050.0
☐	☐	☐	70	face#1#2016-06-23#1543...		154306.0
☐	☐	☐	71	face#2#2016-06-23#4146...		414659.0
☐	☐	☐	72	face#3#2016-06-23#6473...		647306.0
☐	☐	☐	68	face#4#2016-06-21#3535...		353500.0

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

Add a Schedule

Name   face

Description

OK   Cancel

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

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

Auto generate schedules

ardsley/Documents/peace_corps/Scheduler_school/orar 2015-2016 Alexandru

File   Clear Messages   Preferences   Courses   Teachers   Classes   Rooms   Scheduling

Rooms

Pr

De   Room's Teacher   Room's Teacher

34   108

33   22T

Chitoroaga I

Tulbu

Scheduling
Schedules
Copy
ByClass
ByTeacher
byRoom
Class-compressed
Teacher-compressed
1 Teacher
1 Class
Check for errors
Generate a Schedule

1. Choose a seed schedule (name from 5.Add "Schedule")

2. Change options you wish

3. Push start

Generate a Schedule

Maximum number of iterations	**2** 100000
Discontinue generation when this number of valid schedule variants reached	**2** 10000
The number of best valid schedule variants to retain	**2** 5
The seed or template schedule from which to generate the schedules	**1** ▼
The latest preferred time/hour to schedule classes	**2** 5 ▼
Select method	**2** Takes shorter time ▼

Start **3**   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

Auto Generation has stopped, push close to close the screen

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

~~**Display "Schedules" screen**
Change screen to display all of the schedules (and related information) in this database.~~

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**~~

~~**Auto generate schedules**~~

Beardsley/Documents/peace_corps/Scheduler_school/orar 2015-2016 Alexandru

File Clear Messages Preferences Courses Teachers Classes Rooms Scheduling

Rooms

Room's Teacher

Chitoroaga I

Tulbu

Room's Teacher

Scheduling
- Schedules
- Copy
- ByClass
- ByTeacher
- byRoom
- Class-compressed
- Teacher-compressed
- 1 Teacher
- 1 Class
- Check for errors
- Generate a Schedule

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

File   Clear Messages   Preferences   Courses   Teachers   Classes   Rooms   Scheduling

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 :Coada 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:Fîntînari: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	Informatica: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 :Coada V:219			OP Inform:Borta N:109	Matematica :Rusu N.:220	Matematică:Mindrescu:312
Luni 7							
Marți 1	Op. toleranta:Trifan Cari...	Matematică:Borta N:229	L rusă:Juscov S.:320	L rom :Coada V:219	Matematica:Stratan ing...	Ed. plas:Slovo V.:318	1:L eng:Budoian :407/2:L...
Marți 2	Istorie:Amarii:228	Ed. tehn :Slovo V.:220	1:L eng:Mindru:307/2:L ...	L rom :Coada V:219	L rom :Popa:218	Istorie:Bricicari:321	Istorie:Lungu V :319
Marți 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
Marți 4	Ed. plas:Slovo V.:220		L rom :Bagrii:318	Dirigenția:Iuzvac:401	Geografie:Ursu Z:313	L și lit rom:Ursu:322	L rom :Popa:218
Marți 5	1:Ed. tehn:Oaserele D:2...	L rom :Coada V:219	Matematică:Balic V:406	Ed civică:Bricicari:321	2:L eng:Budoian :407	Ed. muzica:Fîntînari:108	OP Inform:Borta N:229
Marți 6	2:L eng:Mindru:307	L rom :Coada V:219		OP Inform:Borta N:228		L rusă:Juscov S.:320	L rusă:Chitoroaga S:406
Marți 7							
Mercuri 1	Istorie:Amarii:228	Biologie:Ceban:403	Matematică:Balic V:406	L rom :Coada 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:Iuzvac: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:Iasinschi:220	Ed. muzica:Fîntînari:108	Istorie:Bricicari:321	Matematica:Stratan ing...	OP Inform:Borta N:228	Dirigenția:Popa:218
Mercuri 5	L rom :Lungu:221		Ed fizică:Slovo M:Sala s...	Ed fizică:Iasinschi:322	Ed. muzica:Fîntînari:108		Ed. plas:Slovo V.:228
Mercuri 6	2:L eng:Mindru:307	L rom :Coada V:219			Ed fizică:Iasinschi: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...	Matematica:Stratan ing...	L rusă:Juscov S.:320	Ed fizică:Iasinschi:312
Joi 2	L rom :Lungu:221	Ed fizică:Iasinschi:322	Geografie:Ursu Z:220	L rom :Coada V:219	Biologie:Ceban:403	Fizică:Stratan ion:309	L rusă:Chitoroaga S:108
Joi 3	Matematică:Borta N:229		2:Ed. tehn:Oaserele D:1...	Ed fizică:Iasinschi:309	L rom :Popa:218	L eng:Iuzvac:401	Ed. muzica:Fîntînari:108
Joi 4	Matematică:Borta N:108	Ed. plas:Slovo V.:318	Matematică:Balic V:406	Biologie:Ceban:403	Istorie:Bricicari:407	Ed fizică:Iasinschi: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

2:L. eng:Mindru:307

Group number
Course
Teacher
Room

To add a lecture to an empty hour, select it

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

Edit a lecture from class schedule screen

Course

Teacher

Classroom

Lastly, add new lecture to schedule

Empty (lectures currently scheduled for this hour)

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

File   Clear Messages   Preferences   Courses   Teachers   Classes   Rooms   Scheduling   Help

Schedule by Teacher, Schedule: Best Schedule

Print   Update   Refresh   Add   «   ‹   ›   »

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:401		10R:1:L fran:108		12U1:Dirigenţia: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		
Marţi 1	10U:2:L eng:108	6B:1:Ed. tehn:305	12R:2:L fran:320		11U2:L rom :313	6C:Matematica :403	
Marţi 2	6B:1:L eng:305			12U2:Chimie:219	11U2:L rom :308	6C:Matematica :318	
Marţi 3	5B:2:L eng:319					8B:Matematica :320	12Sp:Matematică:401
Marţi 4	5C:L eng:305	5B:1:Ed. tehn:318	11U2:1:L fran:109		6B:L rom :406	8B:Matematica :110	
Marţi 5			12U1:2:L fran II:110		6B:L rom :304		7B:Matematică:402
Marţi 6		8C:Ed. tehn:219	11U2:2:L fran II:307		12U1:L rom :308		
Marţi 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:Dirigenţia: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

Group number

Course

Room

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

Class

Course

Classroom

Lastly, add new lecture to schedule

Lectures currently scheduled for this slot. Select to delete.

Class Scheduler V2.43, August 11th, 2016, Using Database: /Users/brentbeardsley/Documents/nasese_nsb /Scheduler_school/orar Alecsandri

File   Clear Messages   Preferences   Courses

Set Schedule by Teacher for: Rîpă A.

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

Name: Rîpă A.: Luni 3

1.Classes   Nothing Selected

2.Courses   Matematică

● Show recommended rooms   3.Rooms   Nothing Selected
○ Show all available rooms

Add

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

12Sp:Matematică:309

Close

Print	Update	Refresh	Add		Rusu N.	Rîpă A.
Day & Time	Mindru		Oaserele D			
Luni 1	8B:1:L eng:305		6A:1:Ed. te			7B:Matematică:221
Luni 2	5B:2:L eng:401					11Ar:Matematică:319
Luni 3			7B:Ed. teh			12Sp:Matematică:309
					8B:Matematica :228	
					6C:Matematica :304	
Marți 1	10U:2:L eng:108		6B:1:Ed. te			
Marți 2	6B:1:L eng:305				6C:Matematica :403	
Marți 3	5B:2:L eng:319				6C:Matematica :318	
Marți 4	5C:L eng:305		5B:1:Ed. te		8B:Matematica :320	12Sp:Matematică:401
Marți 5					8B:Matematica :110	
Marți 6			8C:Ed. teh			7B:Matematică:402
Marți 7						
Mercuri 1	10U:2:L eng:220					
Mercuri 2			5A:2:Ed. te			
Mercuri 3	5B:1:L eng:221					7B:Matematică:108
Mercuri 4						
Mercuri 5	5C:L eng:220		9B:Ed. tehn			11Ar:Matematică:313
Mercuri 6						
Mercuri 7						
Joi 1			8B:1:Ed. te			
Joi 2	6B:1:L eng:304					
Joi 3						12Sp:Matematică:321
Joi 4	5B:1:L eng:221					11Ar:Matematică:401
Joi 5			6C:Ed. teh			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

Print   Update   Refresh   Add   «   ‹   ›   »

Day & Time	305	307	308	309	311	312	313
Luni 1	12 U1:2:L fran II: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 II:Stefanuc	7A:Fizică:Stratan ion	12 R:Fizică:Cebotari	10 U:Matematică:Mindr...	11 Ar:Geografie:Buga
Luni 4	11U 2:2:L fran II:Olaru	9C:Ed fizică:Iasinschi	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:Mind...	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...	
Marți 1	11U 2:2:L fran II:Olaru	9C:Ed fizică:Iasinschi	7A:2:L eng :Stefanuc	7B:Fizică:Stratan ion	12 R:Fizică:Cebotari	12 Sp:Chimie:Pirau	10 U:Geografie:Buga
Marți 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
Marți 3	8A:Ed fizică:Iasinschi	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
Marți 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
Marți 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:Mind...	7B:Geografie:Ursu Z
Marți 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
Marți 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 II: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 II: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 fizica:Iasinschi	
Joi 2	8B:2:L fran:Olaru	8B:1:L eng:Mindru	12 U2:1:L eng II: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 fizica:Iasinschi	12 U2:Chimie:Pirau	9A:Dirigenta:Mindrescu	10 U:Geografie:Buga
Joi 4	10 U:2:L fran II:Olaru		10 U:1:L eng II:Stefanuc		6C:Ed fizica:Iasinschi	9A:Matematică:Mindres...	7A:Geografie:Ursu Z
Joi 5	10 U:2:L fran II:Olaru	6B:1:L eng:Mindru	10 U:1:L eng II:Stefanuc	11R:Fizică:Stratan ion	12 U2:Fizică:Cebotari	9A:Matematică:Mindres...	12 Sp:Geografie:Buga

11U 2:1:L. franc:Olaru

Class

Group number

Course

Teacher

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

Class

Course

Teacher

Lastly, add new lecture to schedule

Empty (lectures currently scheduled for this hour)

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

Print   Update   Refresh   Add   «   ‹   ›   »

Teach...	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					12 Sp	11 Ar	12 U1		12Ar		11
Cvas...																					0
Enache	12 U2	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
Iasins...	7C	8A	8B	9C	9A			9C		8A	8B	9B			7B	8C	9B	5 C	6A	6B	26
Iuzvac			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

To modify, add or delete a lecture, select it

Short name of class

Add a lecture to a schedule

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
☐	☐	☑	35	Best Schedule		47329.0
☐	☐	☐	1	Lipsa versiunii		0.0
☐	☐	☐	2	face		0.0
☐	☐	☐	69	face#0#2016-06-23#5005...		50050.0
☐	☐	☐	70	face#1#2016-06-23#1543...		154306.0
☐	☐	☐	71	face#2#2016-06-23#4146...		414659.0
☐	☐	☐	72	face#3#2016-06-23#6473...		647306.0
☐	☐	☐	68	face#4#2016-06-21#3535...		353500.0

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This program is not intended for commercial use and is provided AS IS.

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

Add a Schedule

Name   face

Description

OK   Cancel

1.Change the Schedule name

2.Edit the description (optional)

Now **Rename**

3.Click Finish

Update Schedule Attributes

ID: 50   ☐ Delete ☑ Save Name face#0#2016-06-17#47470.0

Description

OK   Cancel

Import-Export-Print

Scheduler Program

DB Orar 2016-17

chimia
matem
istoria
L.româ

5A
5B
5C
6A

Profesoara Ana
Ion
Radu
Dima

cabinet100
101
210
304

Schedule Orar 1
Schedule Orar 2
chedule rar 3
hedule ar 4
edule 5

Export

byclass.txt

Excel

Import

Spreadsheet

Print
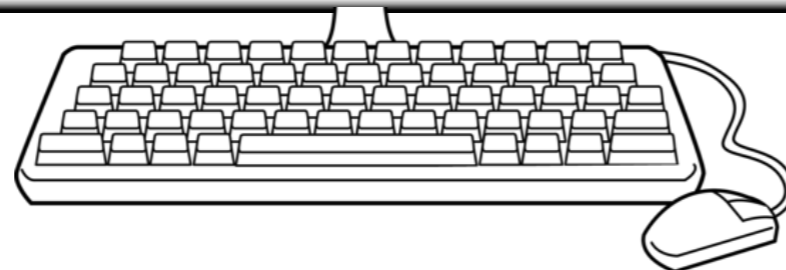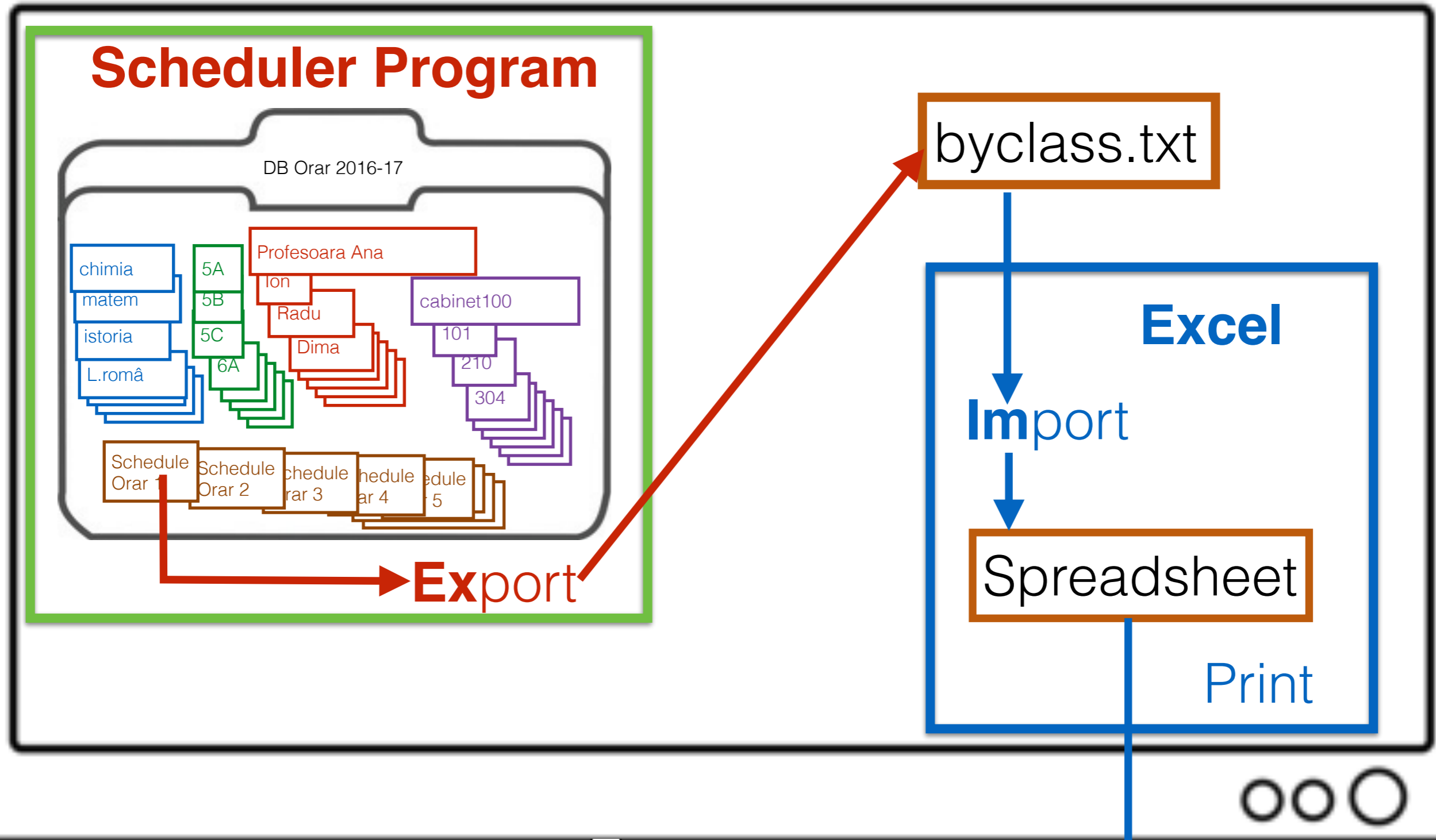
Export schedule to Excel

1. Screen you want to export

2. Select "export"
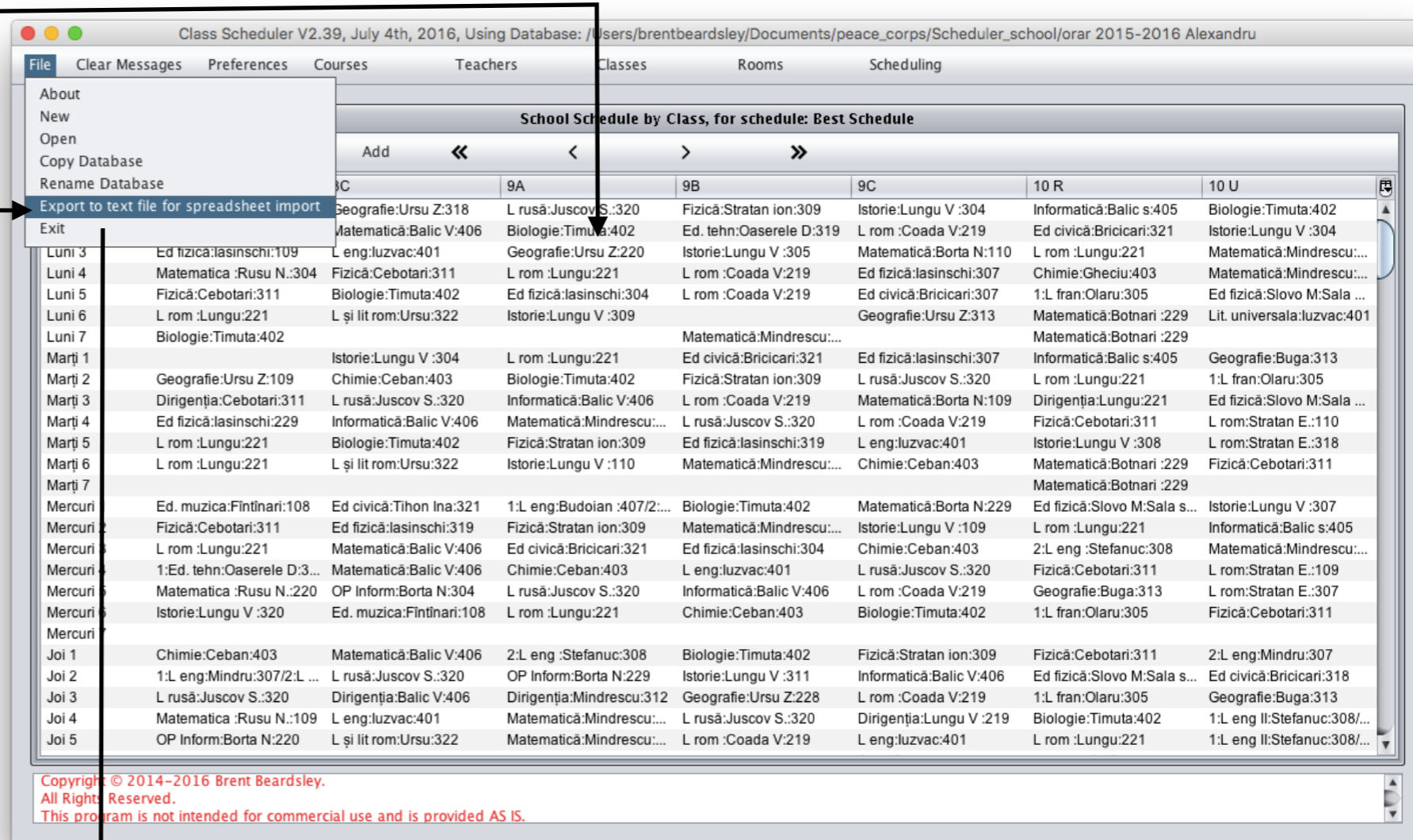
3. New window appears
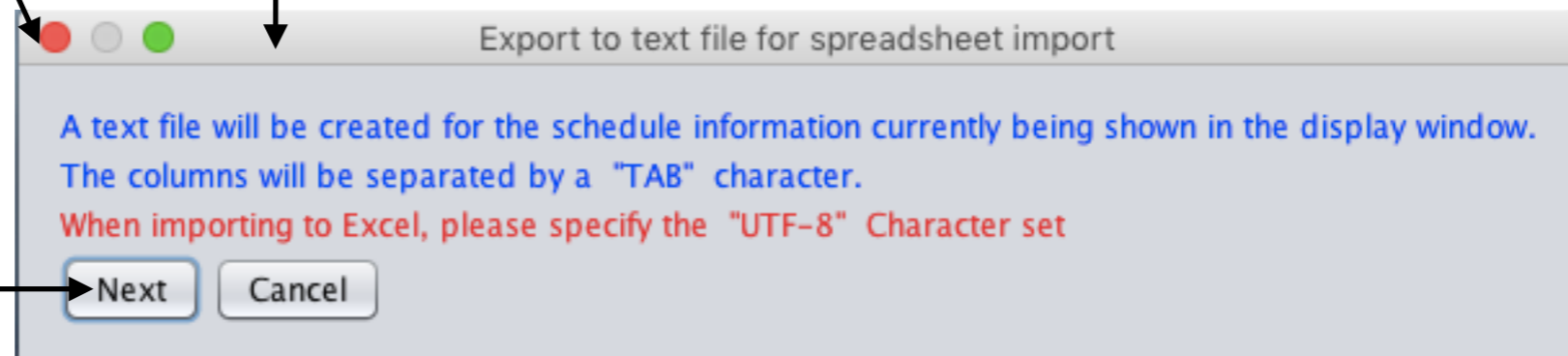
4. Push next

Export schedule to Excel (cont'd)

5. File selection window appears

6. Go to the <u>folder</u> **you wish to place the export file into**

7. Specify the <u>name of</u> <u>the file</u> **to export the data to**

Note: The file type must be **".txt"**

Where to export text file for spreadsheet import

Look in: Scheduler_school

bin
Book
EșantionBD
forbook
grant

Logs
MOE Training
orar 2015-2015 Cruglic
Orar 2015-2016
orar 2016-2016_v01_Mihail_Sac

File Name: byclass.txt

Files of Type: .txt (text files)

Export   Cancel

8. Push Export
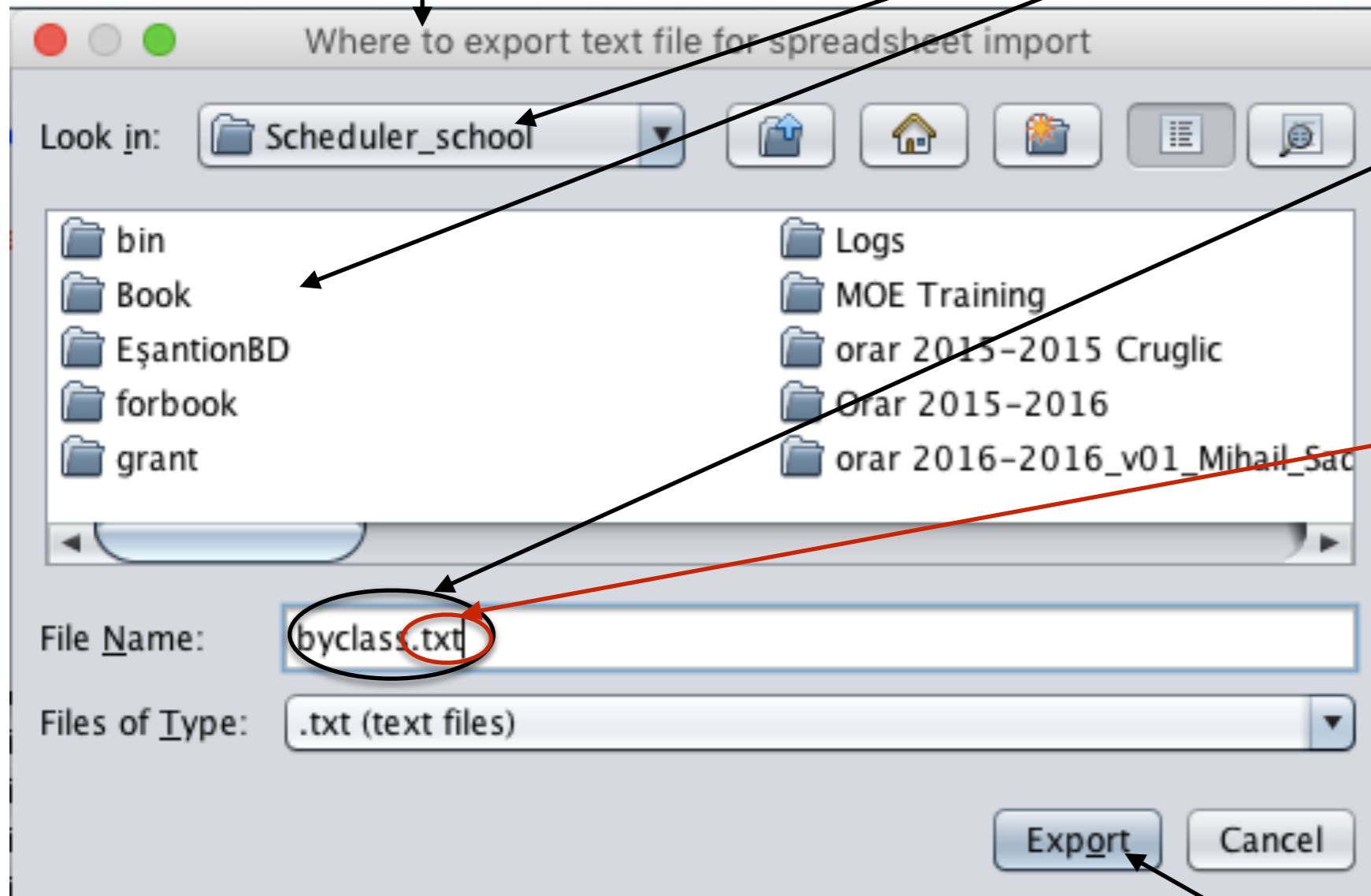
Import schedule into Excel (1/4)

1.Start Excel

2.Select Open
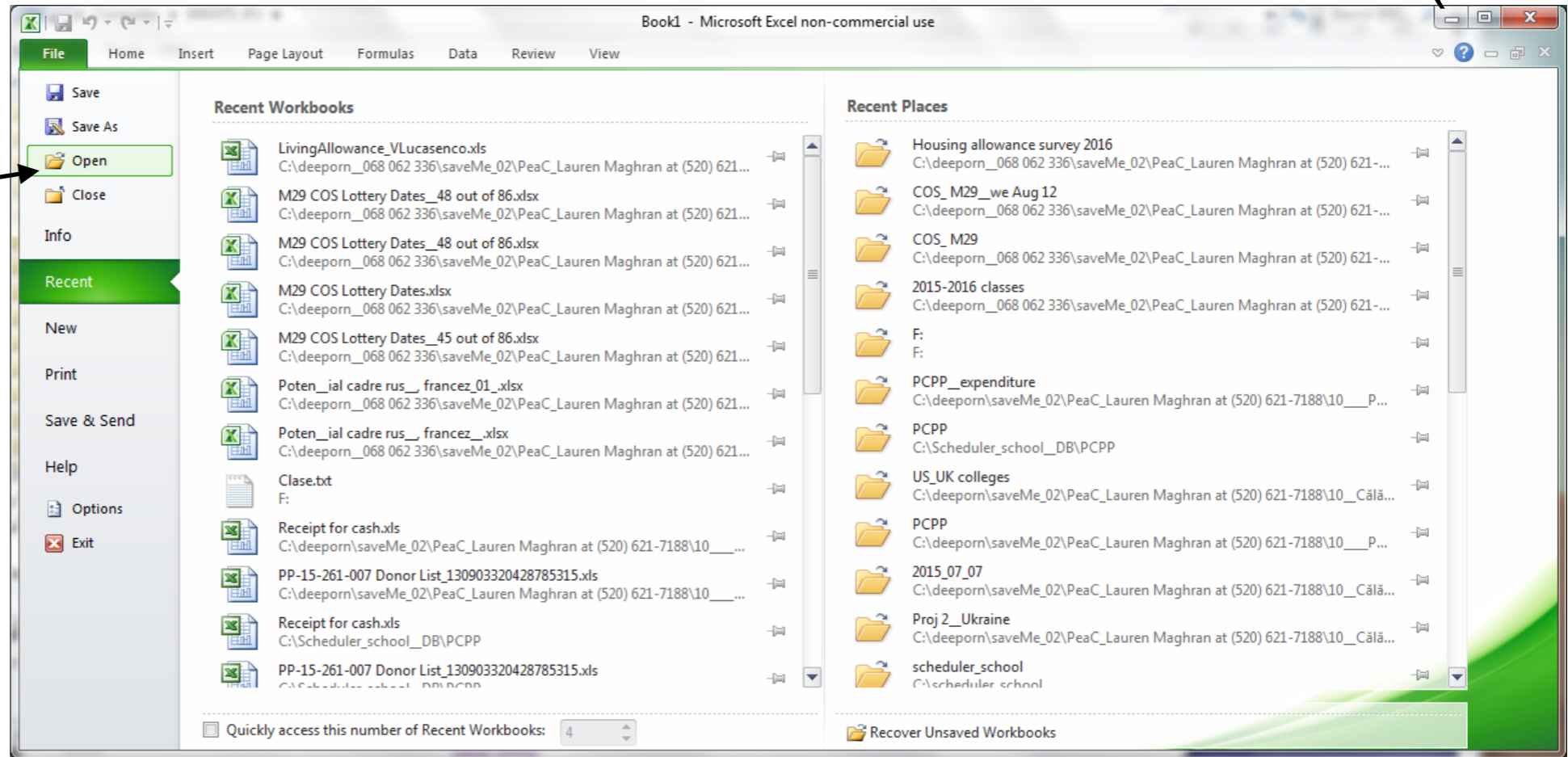
3.New window opens
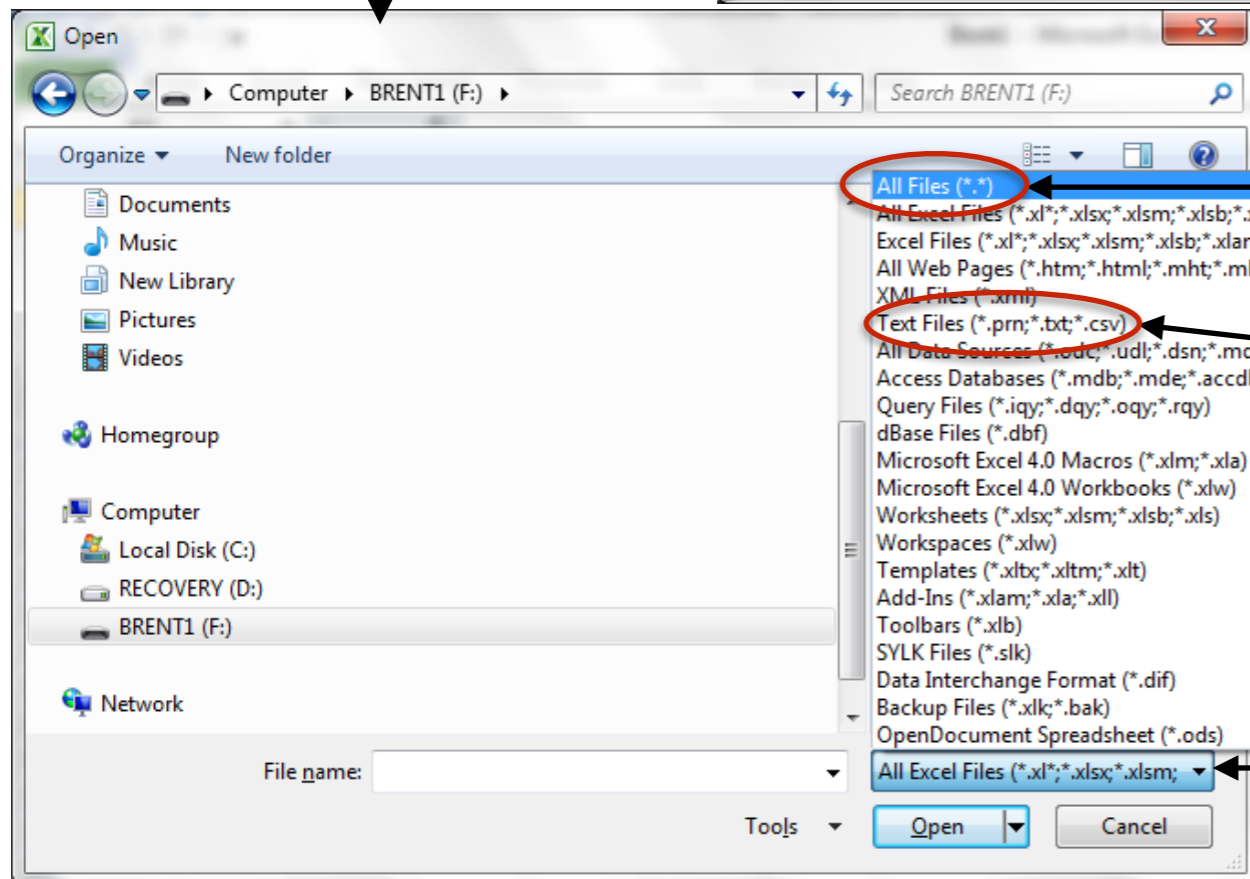
4a.Change   to
"All Files (.*)"*

or

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

4.Change *"All Excel Files"*

Import schedule into Excel (2/4)
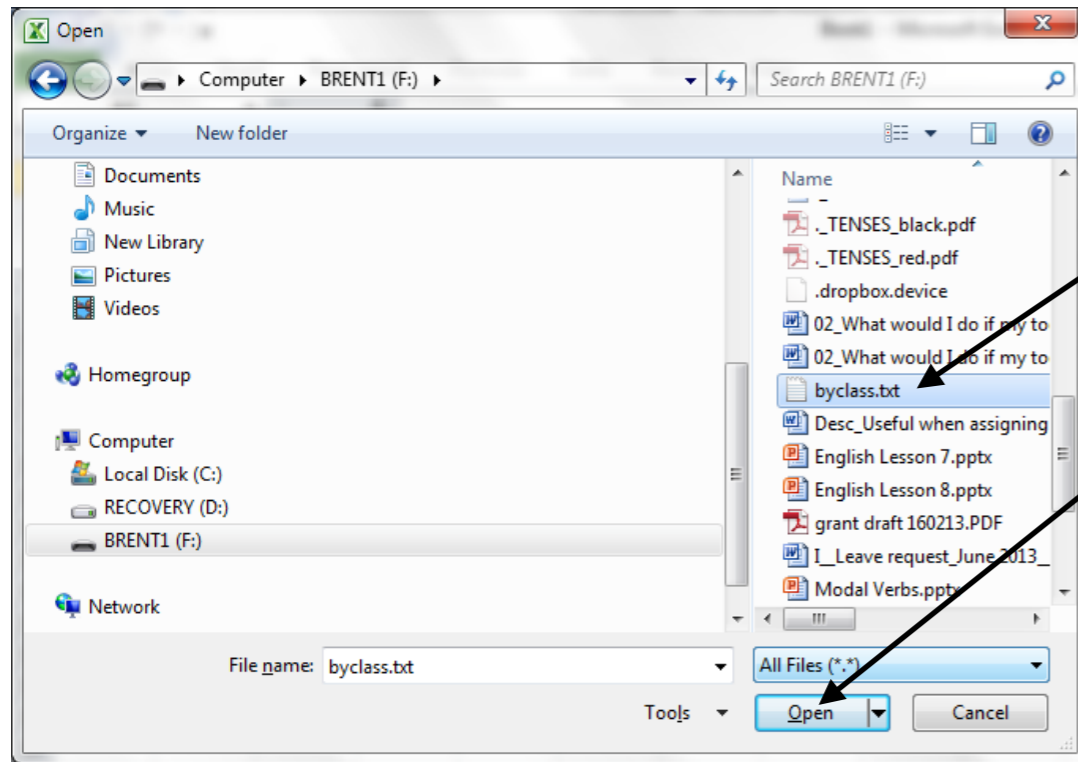
5.Select the file

6.Select Open

7.Text import wizard appears
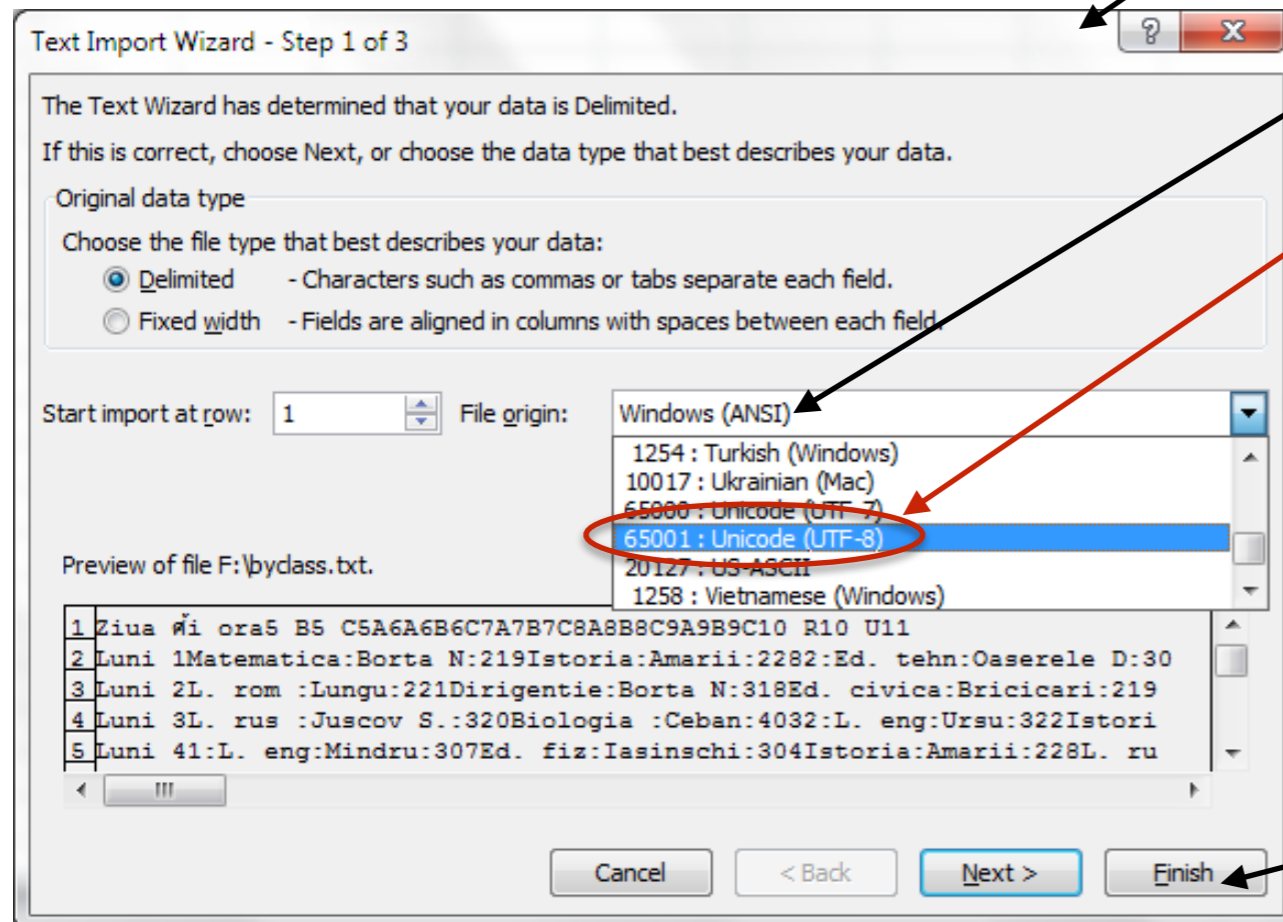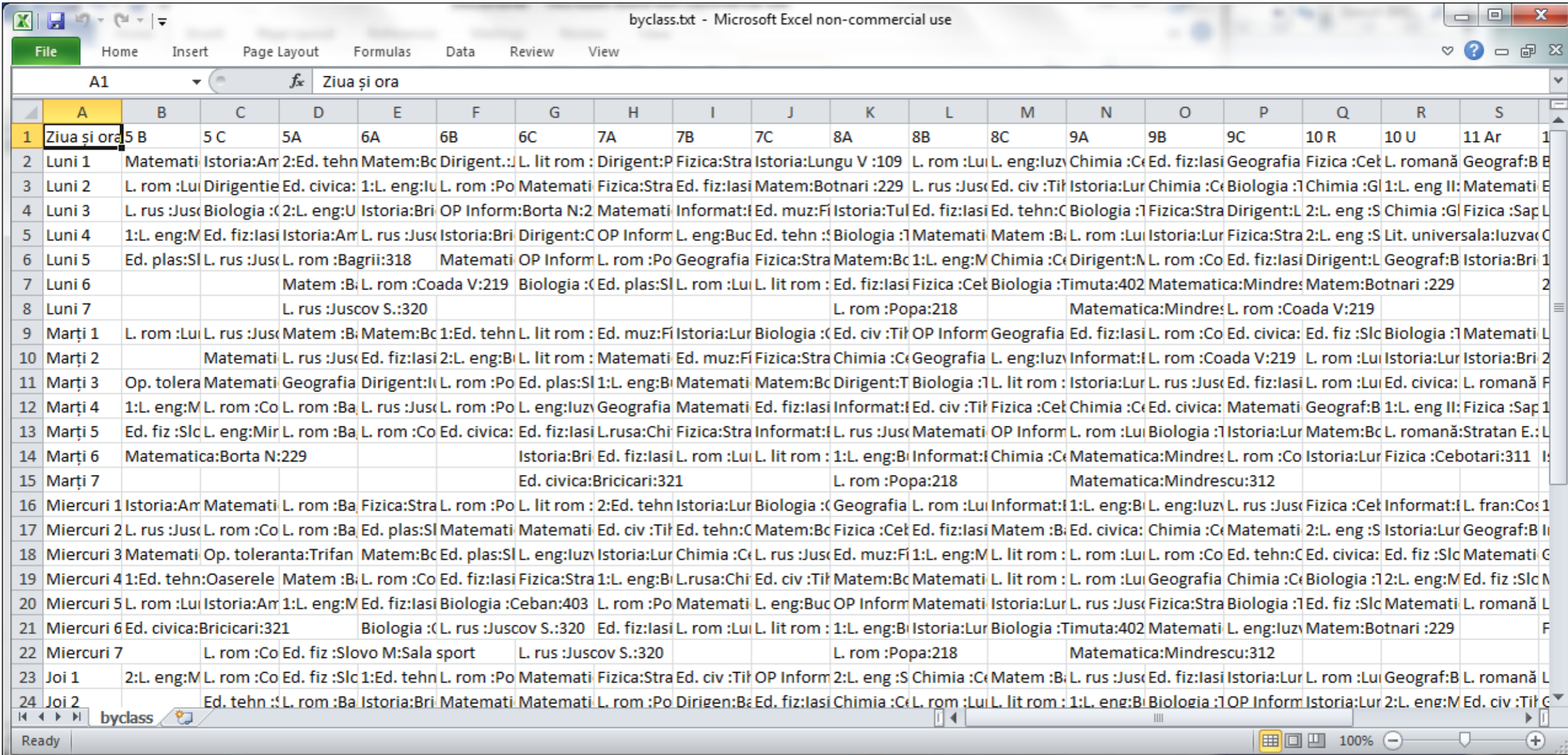
8.Change the character set to "65001: Unicode (UTF-8)", if necessary

9.Press Finish

Import schedule into Excel (3/4)

10. Excel shows the data just imported

Import schedule into Excel (4/4)

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

DB Orar 2016-17

DB Orar 2014-2015b
DB Orar 2014-2015a
DB Orar 2014-2015
DB Orar 2015–2016a
DB Orar 2015-2016

COPY

chimia
matem
istoria
L.romậ

5A
5B
5C
6A

Profesoara Ana
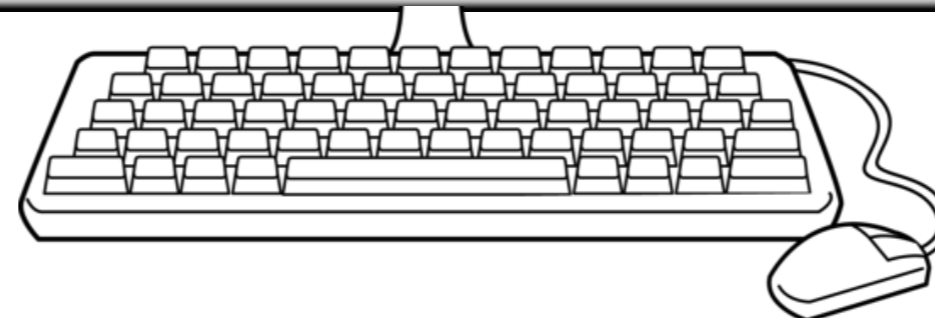Ion
Radu
Dima

cabinet100
101
210
304

Schedule Orar 1
chedule ar 2
hedule ar 3
edule ar 4
dule 5

Copy these too?

Copy a Database

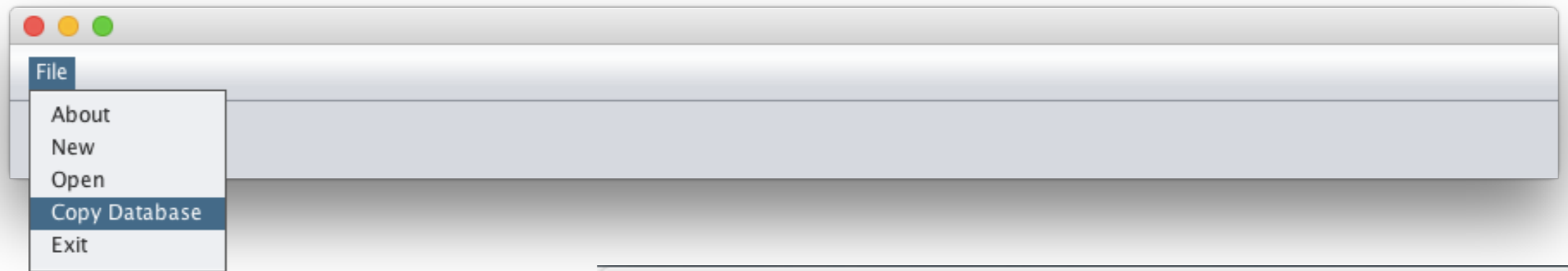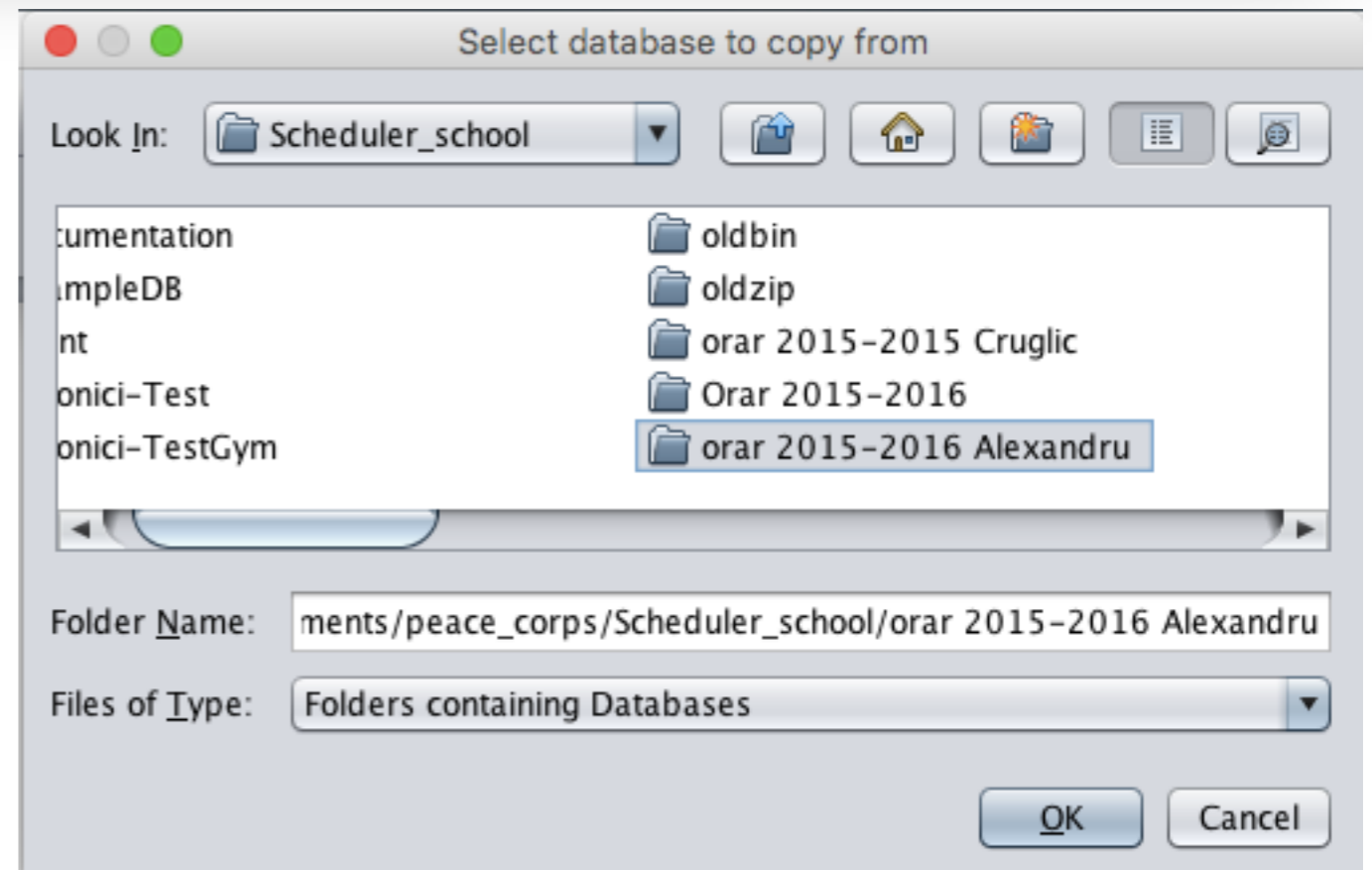**For next year**
1. **Duplicate this year's school information already in Class Scheduler Program**
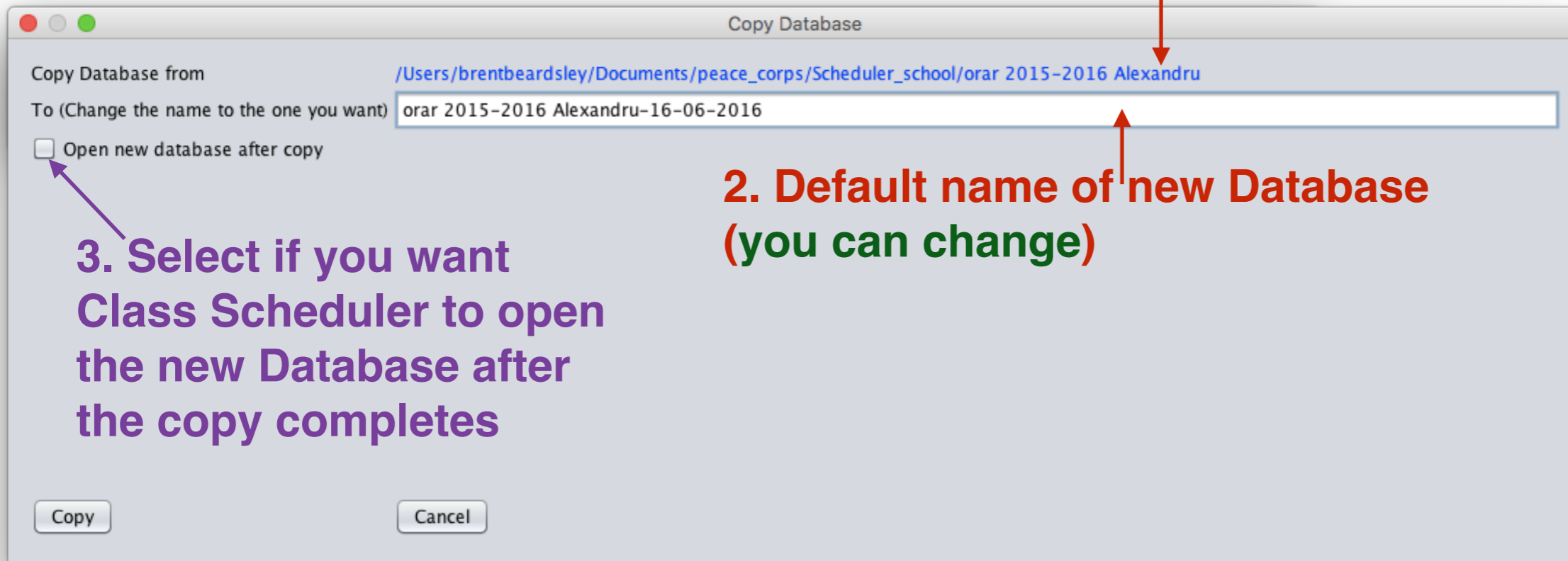2. **Make changes**

1. Select "Copy Database"

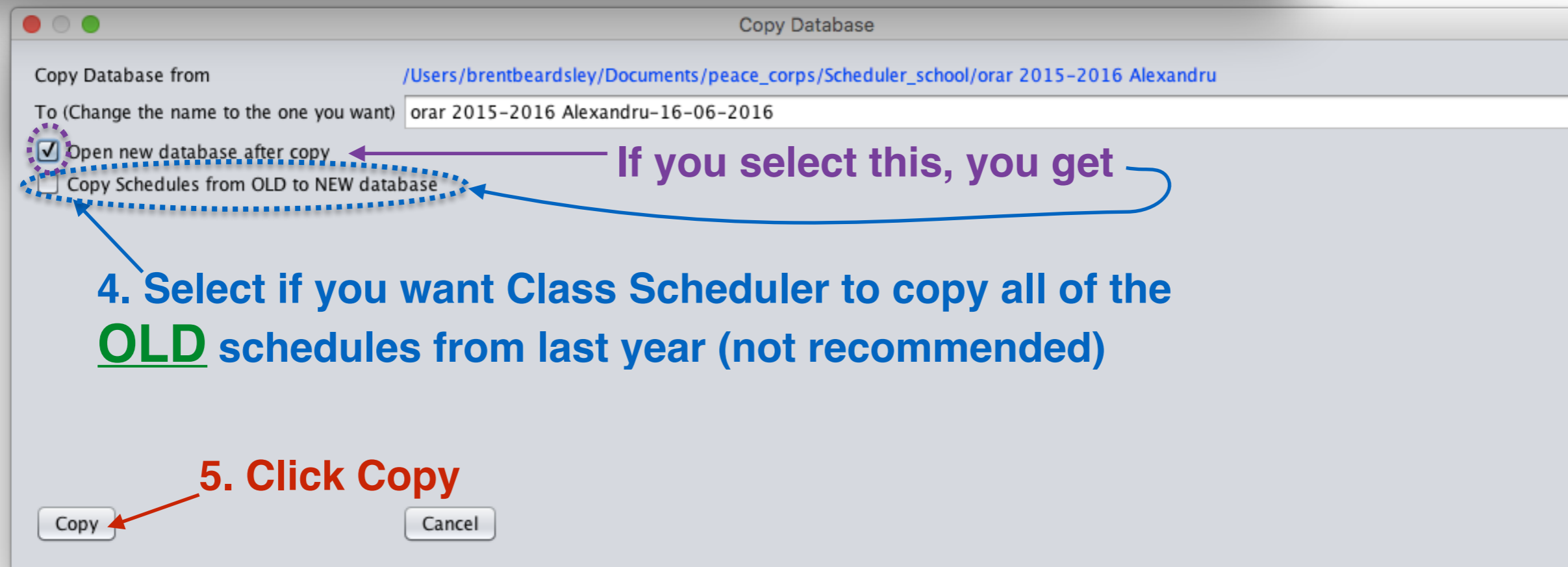**2. Select the database you want to copy.** Example "orar 2015-2016 Alexandru"

Copy a Database

1. Name of old Database

Copy Database

Copy Database from   /Users/brentbeardsley/Documents/peace_corps/Scheduler_school/orar 2015-2016 Alexandru

To (Change the name to the one you want) orar 2015-2016 Alexandru-16-06-2016

☐ Open new database after copy

**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**

Copy   Cancel

Copy Database

Copy Database from   /Users/brentbeardsley/Documents/peace_corps/Scheduler_school/orar 2015-2016 Alexandru

To (Change the name to the one you want) orar 2015-2016 Alexandru-16-06-2016

☑ Open new database after copy   **If you select this, you get**

☐ Copy Schedules from OLD to NEW database

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

5. Click Copy

Copy   Cancel

DB Orar 2016-17 **NEW**

Rename

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
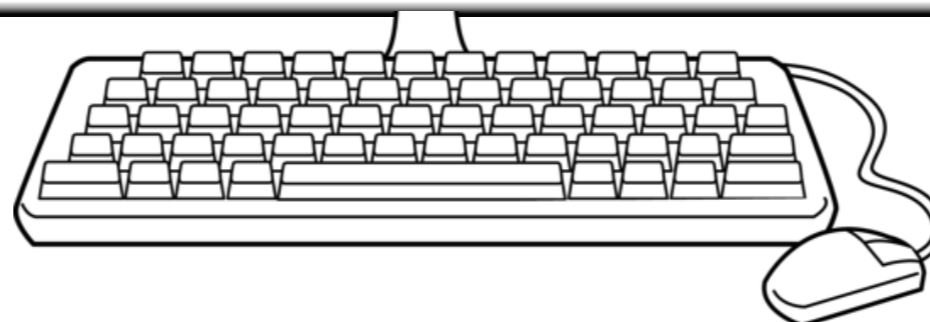304

Schedule Orar 1
chedule ar 2
hedule ar 3
edule 4
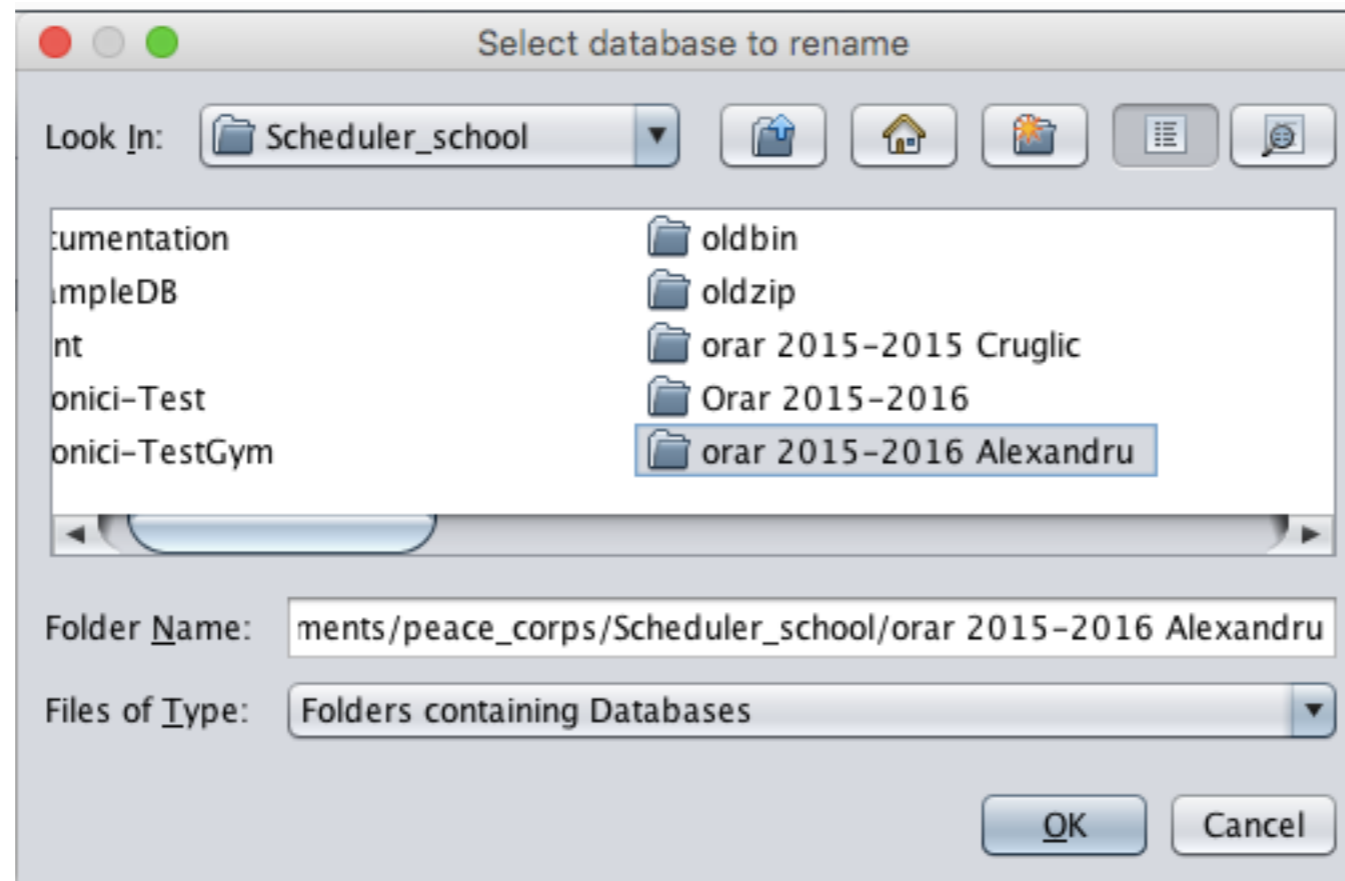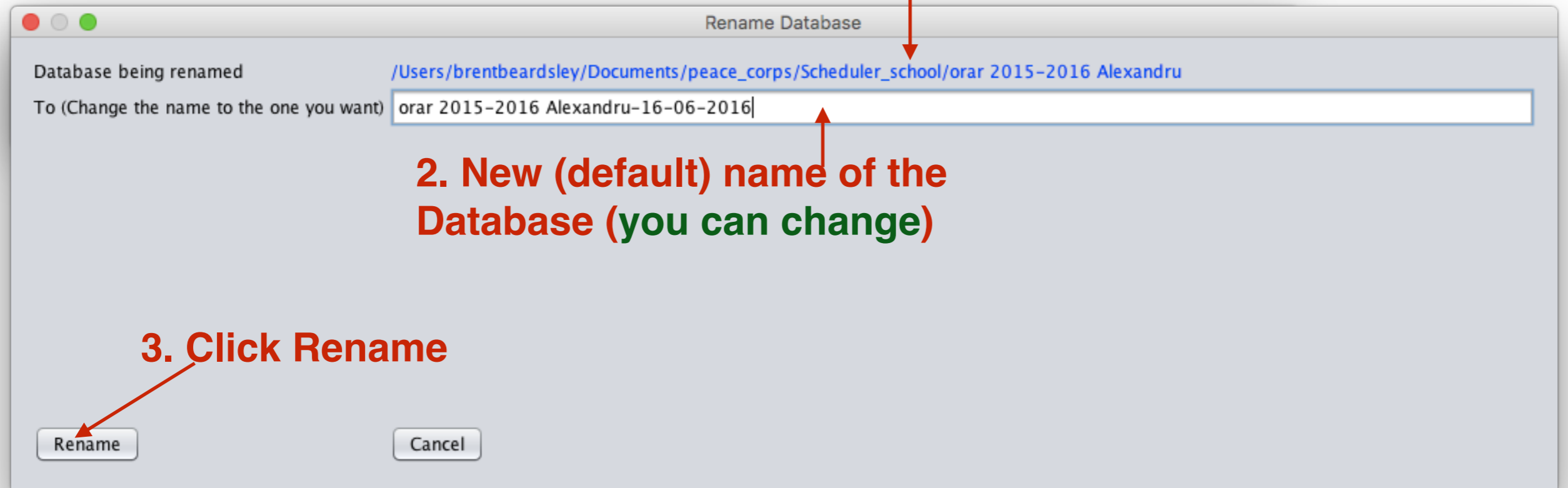dule 5

Rename a Database

1. Select "Rename Database"
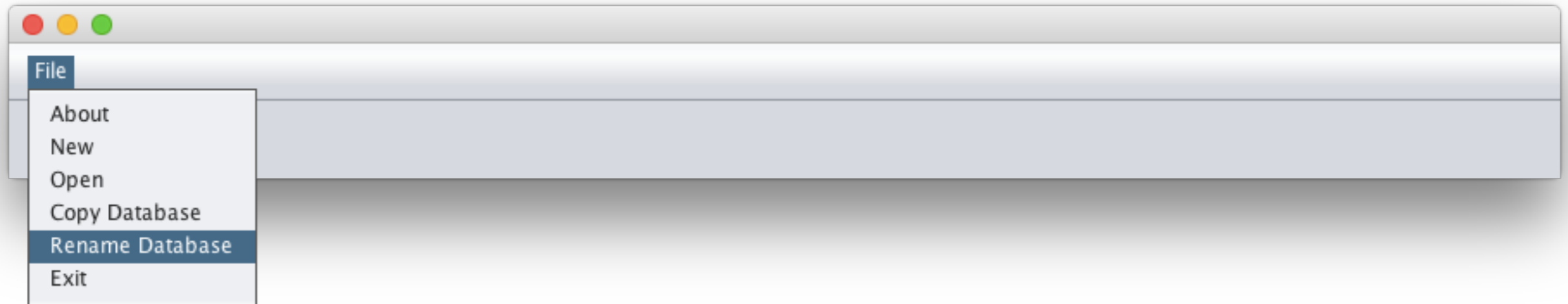
2. Select the database you want to rename. Example "orar 2015-2016 Alexandru"

Rename a database

1. Current name of the Database

Rename Database

Database being renamed   /Users/brentbeardsley/Documents/peace_corps/Scheduler_school/orar 2015-2016 Alexandru

To (Change the name to the one you want) orar 2015-2016 Alexandru-16-06-2016

2. New (default) name of the Database (you can change)

3. Click Rename

Rename   Cancel

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?