

Scheduling Application User Manual:

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Initializing the Program:

The program runs through use of a .jar file, and depending on your computer's operating system, that jar file will be opened and executed differently.

1) Windows and Mac

- a. To initialize the program, simply double-click on the file icon

2) Linux

- a. In a Linux based operating system, initializing the program will work a little differently. Double-clicking will not open the program, instead you must open it from the command prompt
- b. First, search apps and find the application called Terminal, then open it
- c. Once you have opened the Terminal window, you must specify which directory your jar file of the program is in. This simply means that you are going to map out the path of folders the terminal should follow through in order to be able to find the jar file
 - i. This is done by typing in

```
cd
/home/yourUNBCUserName/FirstFolder/NextFolder/FinalFolder/
```

and hitting enter

d. Then you will be able to simply call the command needed to open the .jar file

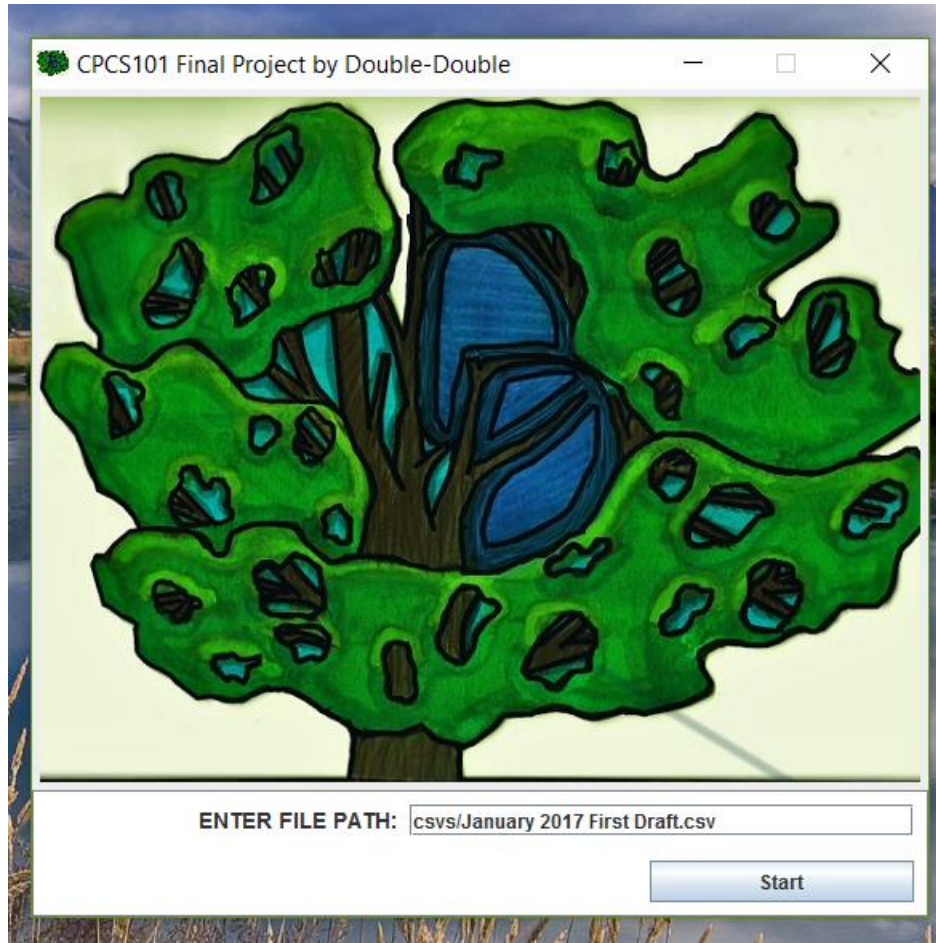
i. Type in:

```
Java -jar ScheduleApplication.jar
```

e. The program will then open

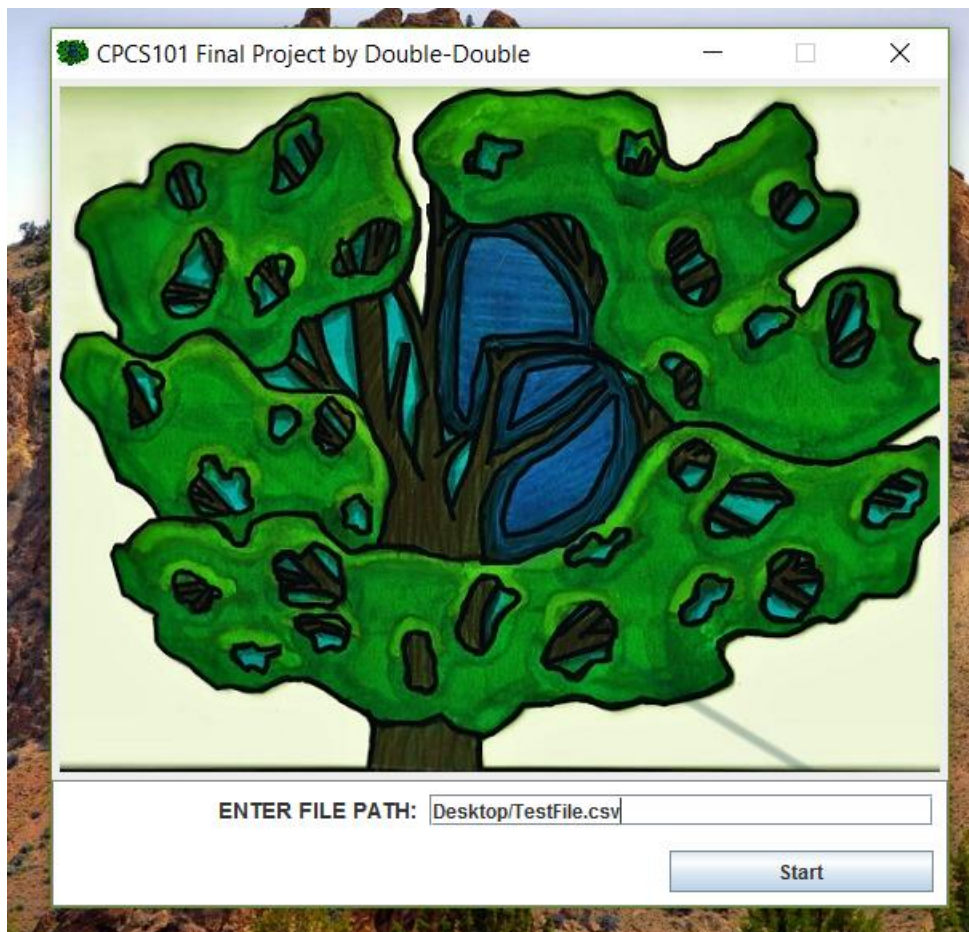
Importing a .csv File:

- 1) Using the default .csv file
 - a. When the program first initializes a pop-up window will appear asking for a .csv file.



- b. The “New File” text field is set to the default file path (Draft Schedule January 2017), press the “Start” button to load the file to the program. This may take a few moments.
 - c. The program will now open to the main window. You are now ready to choose courses to display.

- 2) To use a new .csv file you must enter the file path into the “New File” text field
- a. A file path is the path of folders in the File Explorer that the program must run through to find a specific file.
 - b. The file path would begin with a reference to a “big” folder such as Desktop, Documents, Pictures, Downloads, etc. The following references will be the order of folders nested inside the “big” folder, leading all the way to the .csv file you wish to import. For example:
 - i. /Desktop/Schedule Files/DraftSchedule.csv/
 - ii. /Documents/Scheduling/Schedule Files/DraftSchedule.csv/



- c. After entering the file path, press the “Import” button. The import may take a few moments. After the import has completed, the program will open to the main window. You are now ready to choose courses for display.

Choosing Schedules to Display:

Java - Term Project/src/Gui.java - Eclipse

CPCS101 Final Project by Double-Double

ANTH102 A1 Add Course

Abioye Add Prof

10-2054 Add Room

Remove

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20							
11:30-12:20							
12:30-1:20							
1:30-2:20							
2:20-3:20							
3:30-4:20							
4:30-5:20							
5:30-6:20							
6:30-7:20							
7:30-8:20							
8:30-9:20							
9:30-10:20							

- CPCS101 Final Project by Double-Double

	Monday
8:30-9:20	
9:30-10:20	
10:30-11:20	
11:30-12:20	
12:30-1:20	
1:30-2:20	
2:20-3:20	
3:30-4:20	
4:30-5:20	
5:30-6:20	

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- b. Click the “Add Course” button. The course schedule for that course will now be added to the timetable on the right, and the course name will be added to the currently selected items drop down menu below the first three drop-down menus

CPCS101 Final Project by Double-Double

ANTH102 A1

Add Course

Abioye

Add Prof

10-2054

Add Room

Remove

Monday
8:30-9:20
9:30-10:20
10:30-11:20
11:30-12:20
12:30-1:20
1:30-2:20
2:20-3:20
3:30-4:20
4:30-5:20
5:30-6:20
6:30-7:20

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20							
11:30-12:20	ANTH102		ANTH102				
12:30-1:20							
1:30-2:20							
2:20-3:20							
3:30-4:20							
4:30-5:20							
5:30-6:20							
6:30-7:20							
7:30-8:20							
8:30-9:20							
9:30-10:20							

- c. To display multiple courses at once, simply continue to add the desired courses in the same way

CPCS101 Final Project by Double-Double

	Monday	Tuesday	Wednesday	Thursday
8:30-9:20				
9:30-10:20				
10:30-11:20				
11:30-12:20	ANTH102		ANTH102	
12:30-1:20				
1:30-2:20				
2:20-3:20				
3:30-4:20				
4:30-5:20				

Left Panel:

- Course List: ANTH102 A1, ANTH102 A1, ANTH200 A1, ANTH201 A1, ANTH211 A1, ANTH212 A1, ANTH213 A1, ANTH335 A1, ANTH409 A1
- Buttons: Add Course, Add Prof, Add Room
- Selected Course: ANTH102 A1
- Button: Remove

CPCS101 Final Project by Double-Double

	Monday	Tuesday
8:30-9:20		
9:30-10:20		
10:30-11:20		
11:30-12:20		ANTH102
12:30-1:20		
1:30-2:20		
2:20-3:20		
3:30-4:20		
4:30-5:20		

Left Panel:

- Course List: ANTH200 A1
- Buttons: Add Course, Add Prof, Add Room
- Selected Course: ANTH200 A1
- Professor: Abioye
- Room: 10-2054
- Selected Course: ANTH102 A1
- Button: Remove

CPCS101 Final Project by Double-Double

ANTH200 A1

Add Course

Abioye

Add Prof

10-2054

Add Room

ANTH102 A1

Remove

ANTH102 A1

ANTH200 A1

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20							
11:30-12:20	ANTH102		ANTH102				
12:30-1:20							
1:30-2:20							
2:20-3:20							
3:30-4:20	ANTH200		ANTH200				
4:30-5:20							
5:30-6:20							
6:30-7:20							
7:30-8:20							
8:30-9:20							
9:30-10:20							

- d. To remove selected courses, click onto the selected courses drop-down menu, select the course you wish to remove and then click the “Remove” button. This will remove the course schedule from the display, and remove the course name from the currently selected items drop down menu

The screenshot shows a web application titled "CPCS101 Final Project by Double-Double". On the left, there are three dropdown menus for adding courses, professors, and rooms, each with an "Add" button. Below these is a "Remove" button next to a dropdown menu showing a list of selected courses: ANTH102 A1, ANTH102 A1, and ANTH200 A1. The main area is a grid with days of the week as columns and time slots as rows. The grid shows the following course assignments:

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20							
11:30-12:20	ANTH102		ANTH102				
12:30-1:20							
1:30-2:20							
2:20-3:20							
3:30-4:20	ANTH200		ANTH200				
4:30-5:20							
5:30-6:20							
6:30-7:20							
7:30-8:20							
8:30-9:20							
9:30-10:20							

This screenshot shows the same interface as the first, but with the "Remove" button clicked. The dropdown menu now only shows "ANTH102 A1". The course schedule grid has been updated to reflect the removal of ANTH200:

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20							
11:30-12:20	ANTH102		ANTH102				
12:30-1:20							
1:30-2:20							
2:20-3:20							
3:30-4:20							
4:30-5:20							
5:30-6:20							
6:30-7:20							
7:30-8:20							
8:30-9:20							
9:30-10:20							

2) To choose a schedule display by professor:

- a. Click onto the professor drop down menu, and select the professor whose schedule you would like to display

The screenshot shows a web application titled "CPCS101 Final Project by Double-Double". On the left, there is a form with three dropdown menus and three buttons. The first dropdown menu is set to "ANTH200 A1" and has an "Add Course" button next to it. The second dropdown menu is open, showing a list of professor names: Abioye, Aravind, Bai, Bankole, Beaumont, Beeler, Bhullar, and Biles. It has an "Add Prof" button next to it. The third dropdown menu is empty and has a "Remove" button next to it. To the right of the form is a schedule grid. The grid has a header with "Monday" and "Tuesday" columns. The rows represent time slots from 8:30-9:20 to 5:30-6:20. The grid is currently empty.

	Monday	Tuesday
8:30-9:20		
9:30-10:20		
10:30-11:20		
11:30-12:20		
12:30-1:20		
1:30-2:20		
2:20-3:20		
3:30-4:20		
4:30-5:20		
5:30-6:20		

- b. Click the “Add Prof” button. The course schedule for the professor will now be displayed on the timetable to the right, and the professor’s surname will be added to the currently selected items drop down menu

The screenshot shows a software interface for course scheduling. On the left, there is a control panel with three dropdown menus and three buttons. The first dropdown is set to 'ANTH200 A1' with an 'Add Course' button. The second dropdown is set to 'Abioye' with an 'Add Prof' button. The third dropdown is set to '10-2054' with an 'Add Room' button. Below these, there is a 'Remove' button next to the 'Abioye' dropdown. To the right of the control panel is a timetable grid. The grid has time slots on the y-axis (from 8:30-9:20 to 9:30-10:20) and days of the week on the x-axis (Monday to Sunday). Several cells in the grid are highlighted in cyan and contain course codes: 'COMM321' is in the Tuesday 11:30-12:20 slot; 'COMM211' is in the Wednesday 2:20-3:20 slot; and 'COMM220' is in the Monday 5:30-6:20 slot. A 'Screenshot' watermark is visible in the bottom right corner of the application window.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20							
11:30-12:20		COMM321					
12:30-1:20							
1:30-2:20							
2:20-3:20			COMM211				
3:30-4:20							
4:30-5:20							
5:30-6:20	COMM220						
6:30-7:20							
7:30-8:20							
8:30-9:20							
9:30-10:20							

c. You can add additional professors to the display in the same way

CPCS101 Final Project by Double-Double

ANTH200 A1 Add Course

Abioye Add Prof

Abioye Add Room

Aravind

Bai

Bankole

Beaumont

Beeler

Bhullar

Biles

Abioye Remove

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20							
11:30-12:20		COMM321					
12:30-1:20							
1:30-2:20			COMM211				
2:20-3:20							
3:30-4:20							
4:30-5:20							
5:30-6:20							
6:30-7:20	COMM220						
7:30-8:20							
8:30-9:20							
9:30-10:20							

Screenshot

CPCS101 Final Project by Double-Double

ANTH200 A1 Add Course

Bai Add Prof

10-2054 Add Room

Abioye Remove

Abioye

Bai

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20							
11:30-12:20		COMM321 + G...		GEOG205	GEOG205		
12:30-1:20							
1:30-2:20							
2:20-3:20			COMM211 + G...				
3:30-4:20							
4:30-5:20							
5:30-6:20							
6:30-7:20	COMM220						
7:30-8:20							
8:30-9:20							
9:30-10:20							

- d. To remove professors from the display, click into the currently selected items drop down menu and select the professor you wish to remove, then click the “Remove” button. This will remove the professor’s schedule from the display, and from the currently selected items drop down menu

CPCS101 Final Project by Double-Double

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

8:30-9:20						
9:30-10:20						
10:30-11:20						
11:30-12:20		COMM321 + G		GEOG205	GEOG205	
12:30-1:20						
1:30-2:20						
2:20-3:20			COMM211 + G			
3:30-4:20						
4:30-5:20						
5:30-6:20	COMM220					
6:30-7:20						
7:30-8:20						
8:30-9:20						
9:30-10:20						

ANTH200 A1 Add Course
 Bai Add Prof
 10-2054 Add Room
 Abioye Remove
 Abioye
 Bai

CPCS101 Final Project by Double-Double

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

8:30-9:20						
9:30-10:20						
10:30-11:20						
11:30-12:20		COMM321				
12:30-1:20						
1:30-2:20						
2:20-3:20			COMM211			
3:30-4:20						
4:30-5:20						
5:30-6:20	COMM220					
6:30-7:20						
7:30-8:20						
8:30-9:20						
9:30-10:20						

ANTH200 A1 Add Course
 Bai Add Prof
 10-2054 Add Room
 Abioye Remove

Screensho

3) To choose a schedule display by room:

- a. Click onto the room drop down menu, and select the room whose schedule you would like to display

The screenshot shows a web application titled "CPCS101 Final Project by Double-Double". It features three dropdown menus for selection: "Course" (currently showing "ANTH200 A1"), "Professor" (currently showing "Bai"), and "Room" (currently showing "10-2054"). Each dropdown menu has a corresponding "Add" button: "Add Course", "Add Prof", and "Add Room". Below these is a "Remove" button. To the right of the selection area is a grid for scheduling. The grid has time slots as rows and days of the week as columns. The visible columns are "Monday" and "Tuesday". The time slots range from 8:30-9:20 to 5:30-6:20.

	Monday	Tue
8:30-9:20		
9:30-10:20		
10:30-11:20		
11:30-12:20		
12:30-1:20		
1:30-2:20		
2:20-3:20		
3:30-4:20		
4:30-5:20		
5:30-6:20		

- b. Click the “Add Room” button. The room’s schedule will now be displayed on the timetable to the right, and the selected room number will be added to the currently selected items drop down menu

CPCS101 Final Project by Double-Double

ANTH200 A1

Add Course

Bai

Add Prof

10-2054

Add Room

10-2054

Remove

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20			CPSC231				
11:30-12:20	CPSC377	CPSC377 + GE					
12:30-1:20		CPSC231					
1:30-2:20							
2:20-3:20							
3:30-4:20							
4:30-5:20							
5:30-6:20							
6:30-7:20							
7:30-8:20							
8:30-9:20							
9:30-10:20							

Screensho

c. You may add additional rooms to the display in the same way

CPCS101 Final Project by Double-Double

ANTH200 A1
 Bai
 10-2522
 10-2054

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20	ENPL318		ENPL318				
9:30-10:20							
10:30-11:20			CPSC231				
11:30-12:20	CPSC377	CPSC377 + GE...					
12:30-1:20		CPSC231					
1:30-2:20							
2:20-3:20							
3:30-4:20							
4:30-5:20							
5:30-6:20							
6:30-7:20		STAT475 + STA...		ENPL206			
7:30-8:20							
8:30-9:20							
9:30-10:20							

Screensho

- d. To remove a room's schedule from the display, click into the currently selected items drop down menu and choose the room you wish to remove, then click the "Remove" button. The room's schedule will be removed from the display and the room number will be removed from the currently selected items drop down menu

The screenshot shows a web application titled "CPCS101 Final Project by Double-Double". On the left is a sidebar with three "Add" buttons and one "Remove" button, each associated with a dropdown menu. The "Add Course" dropdown shows "ANTH200 A1", "Add Prof" shows "Bai", and "Add Room" shows "10-2522". The "Remove" button is associated with a dropdown showing "10-2054". The main area is a grid with time slots on the y-axis (8:30-9:20 to 9:30-10:20) and days on the x-axis (Monday to Sunday). The grid contains several colored blocks representing course sections: a cyan block for "CPSC377" on Monday 11:30-12:20, a red block for "CPSC377 + GE" on Tuesday 11:30-12:20, a cyan block for "CPSC231" on Wednesday 10:30-11:20, and another cyan block for "CPSC231" on Tuesday 12:30-1:20. A "Screenshot" watermark is visible in the bottom right corner.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20			CPSC231				
11:30-12:20	CPSC377	CPSC377 + GE					
12:30-1:20		CPSC231					
1:30-2:20							
2:20-3:20							
3:30-4:20							
4:30-5:20							
5:30-6:20							
6:30-7:20							
7:30-8:20							
8:30-9:20							
9:30-10:20							

4) Mixed displays:

- It is possible to display multiple schedule types at once
- Choose and add the desired items using their respective drop down menus

CPCS101 Final Project by Double-Double

ANTH102 A1

Add Course

Abioye

Add Prof

10-2054

Add Room

ANTH102 A1

Remove

ANTH102 A1

Abioye

10-2054

Reading Course Overlaps:

- 1) Courses will appear on the schedule panel of the window as coloured blocks of time. If there is an overlap between courses, the overlapped time between them will be coloured red, while the non-overlapped time will remain the original colour

The screenshot shows a software window titled "CPCS101 Final Project by Double-Double". On the left is a sidebar with three course entry sections, each containing a dropdown menu and an "Add" button:

- Section 1: ANTH200 A1 (dropdown), Add Course (button)
- Section 2: Bai (dropdown), Add Prof (button)
- Section 3: 10-2054 (dropdown), Add Room (button)

Below these is a "Remove" button next to the 10-2054 dropdown.

The main area is a schedule grid with days of the week as columns and time slots as rows. The time slots range from 8:30-9:20 to 9:30-10:20. The grid shows the following course assignments:

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:30-9:20							
9:30-10:20							
10:30-11:20			CPSC231				
11:30-12:20	CPSC377	CPSC377 + GE					
12:30-1:20		CPSC231					
1:30-2:20							
2:20-3:20							
3:30-4:20							
4:30-5:20							
5:30-6:20							
6:30-7:20							
7:30-8:20							
8:30-9:20							
9:30-10:20							

The overlapping time between CPSC377 on Monday and CPSC377 + GE on Tuesday (11:30-12:20) is highlighted in red. The non-overlapping time for CPSC377 (12:30-1:20) is highlighted in cyan. The non-overlapping time for CPSC377 + GE (1:30-2:20) is also highlighted in red. The non-overlapping time for CPSC231 (10:30-11:20) is highlighted in cyan.