# Student Scheduling Assistant

Introduction

This app finds time conflicts in a list of courses, and gives you a schedule that fits as many courses as possible from your original list. A handful of non-redundant possibilities will be generated (maximum of 6). Some of them may include schedules that do not have all your courses because of conflicts. The app can be used for general events that are not necessarily courses by adding a course manually and naming it whatever you want.

Loading UNB Data (Ctrl+L)

You can click on File->Load UNB Data to easily import University of New Brunswick courses for a specific semester. Multiple drop down menus will appear: select the desired term, level, and location. A message will appear on the app indicating how many courses have been loaded. Data will only load if you (and the UNB website) are connected to the internet.
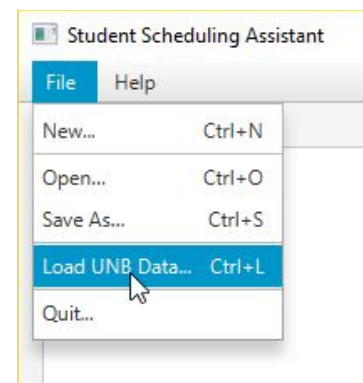
To select a course from the downloaded data, click add course and start typing the course code (for example: CS1083). Note that only up to the first 10 matches will be shown, so keep typing to see your course pop up. If the desired course does no appear, make sure your spelling is correct. If it still does not appear, check the UNB website to make sure that the course is offered that semester. After the course is shown, simply click on it and click the Add button to add it to your schedule. This process will automatically add all the sections and class times associated with that course. Note that sections with the same class times will be compressed into one section.

Adding Courses (Ctrl+Shift+C)

There are two ways to make a schedule to test for conflicts. You can load UNB data or you can manually add a course, which requires you to add a section to that course, which in turn requires you to add a class time to that section. A course can have multiple sections, and a section can have multiple class times. You can right click a course or section in your class list to add a section or class time to it.
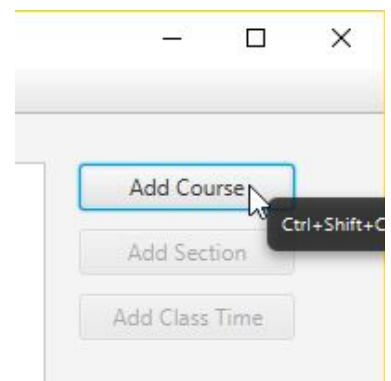
You can also save your schedule data to a file. Simply click File->Save As to save and File->Load to load.

Editing and Deleting

All data in your course list can be edited by right clicking and selecting Delete or Edit. To delete all data, click File->New.

Generating a Conflict-Free Schedule (Ctrl+Shift+G)

Once your course list is complete, click the Generate Schedule button to see the best schedule arrangements made from your course list. If you want to generate a schedule with many courses, it may take a while to compute. Note that the program will stop prematurely if it takes more than 30 seconds. If this happens, better performance can be achieved by deleting classes or sections you aren't interested in. Once your schedule has generated, you can zoom in and out by holding Ctrl and scrolling. Alternative schedules are visible by clicking the buttons at the top. You can also save the schedule as an image or print it by right clicking and selecting the appropriate option.
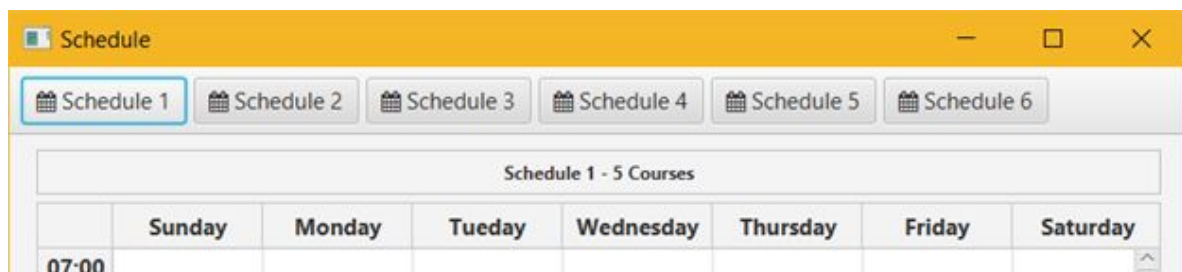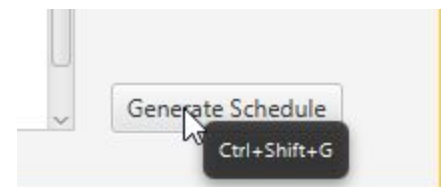
Helpful Shortcuts	
Action	**Shortcut**
Add Course	Ctrl+Shift+C
Add Section	Ctrl+Shift+S
Add Class Time	Ctrl+Shift+T
Generate Schedule	Ctrl+Shift+G
Reset Course List	Ctrl+N
Open Saved File	Ctrl+O
Save As	Ctrl+S
Load UNB Data	Ctrl+L
Select Highlighted Button (Blue)	Enter
Close Current Window	Esc
Delete Selected Item	Delete