

Schedule Maker Explanation

The Schedule Maker feature allows you to generate schedules from course information obtained from user input.

The schedules are generated by parsing through the courses created from user input and creating all the possible n-number course schedules and displaying the ones with no time conflicts.

The number n represents the desired number of courses that should be in a schedule and is acquired from user input*.

To input information on a course, the user fills in the 'course info' widget which contains a text field for the course name and dropdown menus for selecting class times (i.e. start and end time for a class of the course). The user can add more 'course info' widgets by clicking a button, and within each 'course info' widget, there are buttons that allow the user to add extra fields for each 'course info' widget, allowing them to enter more class times (a course can have multiple classes) or enter information on a dependency(ies) (i.e. labs or tutorials)**. Each new widget/field will have a "x" button that allows it to be removed**. The user should make sure to fill in all the fields or remove the unnecessary ones**.

After entering all the information and clicking the 'next' button, the app will generate and display the schedules. Clicking a schedule will save it locally, which can then be viewed later in the "Saved Schedule" page***.

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Demo 'shortcomings' / Unimplemented features

- "View Program Map" currently does nothing. Button should direct the user to the school's program map website.
- "View Courses by Term" currently does nothing. Button should fetch data from the school's "available courses" website and display the courses similar to the website.
 - Proposal feedback mentioned that this may be too hard so this may be left unimplemented.
- "Saved Schedule" button does nothing***.

*There is currently no input for the number of courses. The default is set to 5 in the code.

**There are currently no buttons that allow you to add more fields; in a 'course info' widget, there is only the text field for the course name, and dropdown menus to select the start and end times for just one class in that course. Likewise, there is no 'delete/remove' button for the fields either. The user still needs to fill in every field (there are 7 'course info' widgets).

***There is no local (or cloud) storage for schedule maker yet, so clicking the schedules won't do anything. Likewise, "Saved Schedules" page also doesn't display anything.

Example of feature

Schedule Maker

Enter course name
Course A

Monday

Start08 :00 End09 :00

08:00 to 09:00 on Monday

Enter course name
Course B

Tuesday

Start08 :00 End10 :00

08:00 to 10:00 on Tuesday

Enter course name
Course C

Wednesday

Start09 :00 End10 :00

09:00 to 10:00 on Wednesday

Enter course name
Course D

Thursday

Enter course name
Course D

Thursday

Start10 :00 End11 :00

10:00 to 11:00 on Thursday

Enter course name
Course E

Friday

Start10 :00 End12 :00

10:00 to 12:00 on Friday

Enter course name
Course F

Monday

Start08 :30 End11 :00

08:30 to 11:00 on Monday

