

Schedulr

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Project Description

Schedulr is a web application that generates fall and winter timetables for students. A student will be able to choose desired courses, and a non-conflicting timetable will be generated, which can be saved, will be generated for them. Based on student preferences, several timetables can be generated such that they adhere to the specified preference. A student may also add other students to a friends list, and view their timetables. By selecting a primary timetable, a student may be able to compare their schedule with a friend's primary timetable for any matching course and timeslot.

Features and Requirements

Account Management & Persistence (5)

- Authentication through Google/Facebook OAuth 2.0
- Ability to save timetables
- Ability to delete timetables
- Users can search for other users
- Users can add other users as friends

Searching for Courses (5)

- Retrieving course information from Cobalt API for University of Toronto
- Retrieving directions to classrooms, from current location using Google Maps API
- Search by course code
- Search by campus
- Checkbox for selecting campus

Creating a Timetable (14)

- Timetable is based on preferences and courses selected
- Ability to download timetables in iCalendar format.
- Ability to download timetables in Google Calendar format.
- If the courses cannot be made without a conflict, the user will be notified to select one of the options.
- Creates all possible combinations for the timetable, allowing the user to select the one that they desire, or the app will decide on one that is the best
 - Best meaning, fewer long gaps between the course, for example an early morning course and an evening course on a single day would be avoided.
- Allow users to share the timetable via a unique URL
- Ability to override the app, allowing the user to select their own sections.

- Ability to delete courses from the timetable.
- Ability to color-code each course, defined by its breadth or department.
- Once a course has been added, a user can hover the course to show other available timeslots on the timetable.
- Ability to create a timetable for the fall semester.
- Ability to create a timetable for the winter semester.
- Can have a split view of the timetable, having the user's fall and winter semesters side by side.
 - Or can view the different combinations of a timetable, side by side.

Viewing Course Information (10)

- Ability to select courses from University of Toronto
- Course code
- Instructor
- Timeslots
- Course information, a short description about what the course is.
- Prerequisites
- Any conflicts
- Location of the course
- Required books for the course, perhaps retrieving a store link to that books.
- Ability to identify the breadth that the course fulfills.

Account/Profile Page (2)

- Users can change their password
- Users can view saved timetables from previous sessions.

Dashboard (Logged Out) (3)

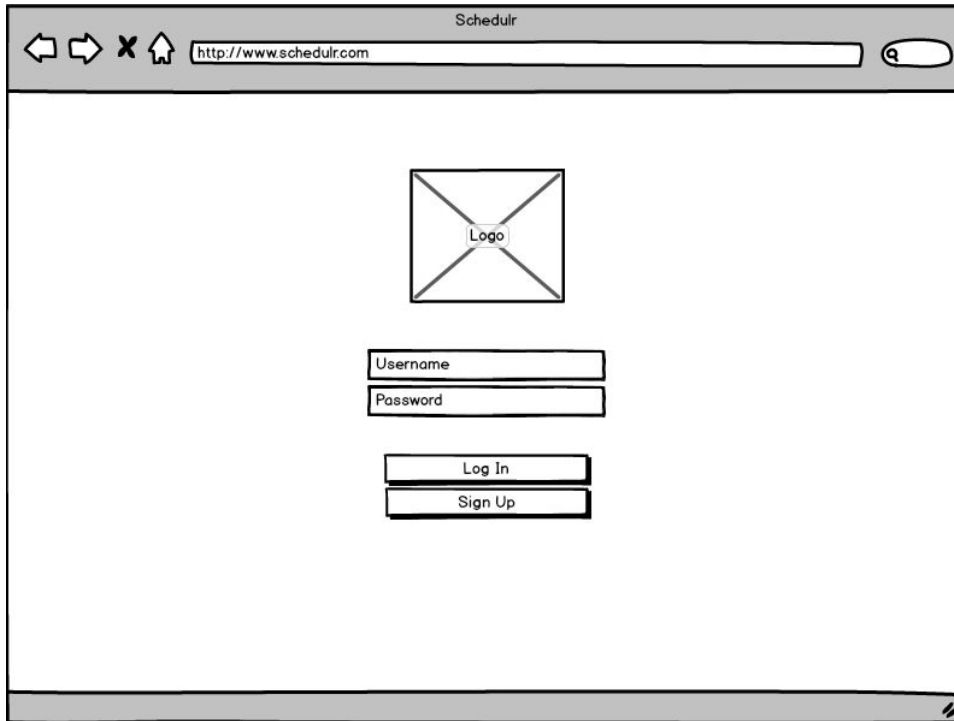
- Input fields for username and password
- Log in button
- Sign up button

Dashboard (Logged In) (8)

- Search bar for courses
- Clicking on a course directs the user to a page with course information
- Logout button
- Friends list
- Clicking on a friend enables the user to view the friend's timetable
- Ability to compare timetables with friend's
- Account button
- Hovering a course in a timeslot will highlight other available timeslots

Website Mockups and Wireframes

Login Page



A wireframe of a login page for a website named "Schedulr". The browser's address bar shows "http://www.schedulr.com". The page features a central logo placeholder (a square with an 'X' and the word "Logo"). Below the logo are two input fields labeled "Username" and "Password". At the bottom of the form are two buttons: "Log In" and "Sign Up".

Schedulr

http://www.schedulr.com

Logo

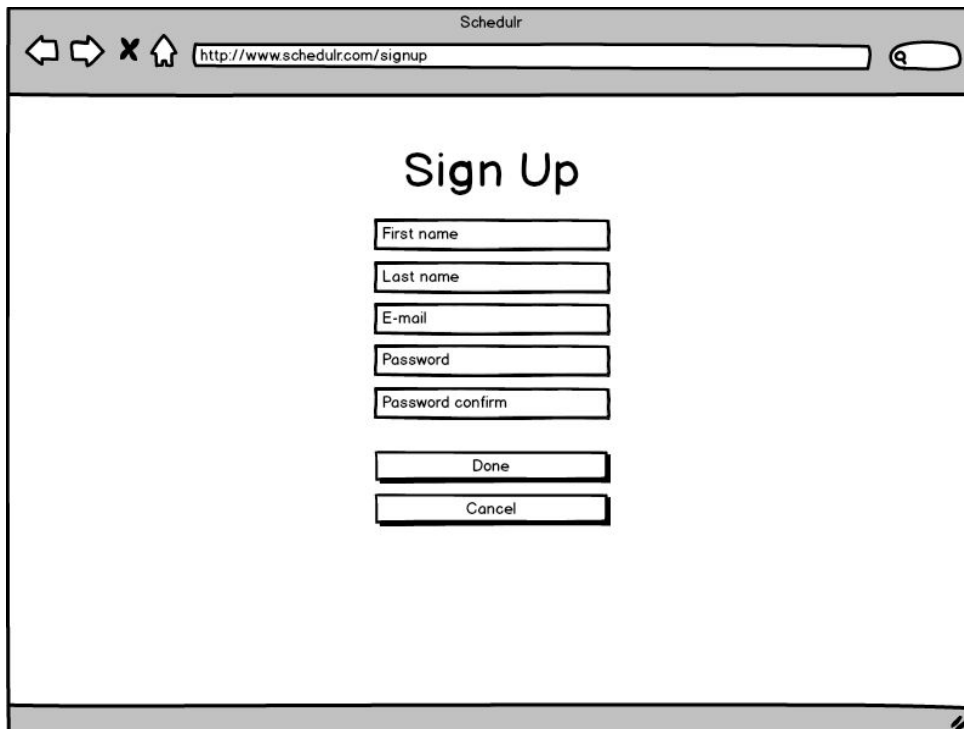
Username

Password

Log In

Sign Up

Sign Up



A wireframe of a sign-up page for a website named "Schedulr". The browser's address bar shows "http://www.schedulr.com/signup". The page features a large heading "Sign Up". Below the heading are five input fields labeled "First name", "Last name", "E-mail", "Password", and "Password confirm". At the bottom of the form are two buttons: "Done" and "Cancel".

Schedulr

http://www.schedulr.com/signup

Sign Up

First name

Last name

E-mail

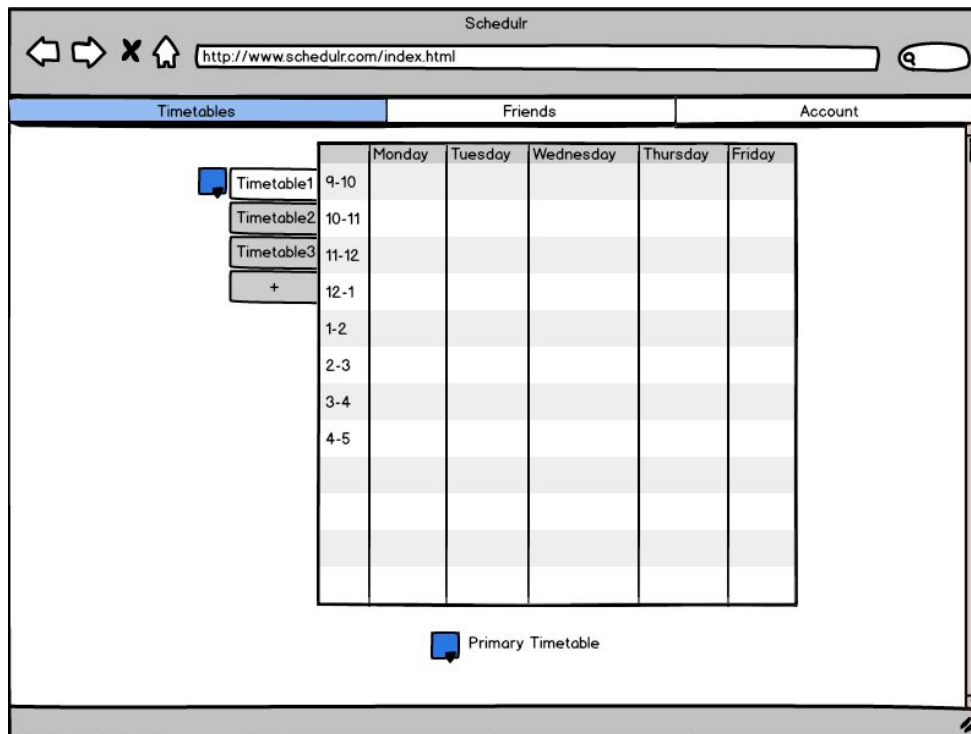
Password

Password confirm

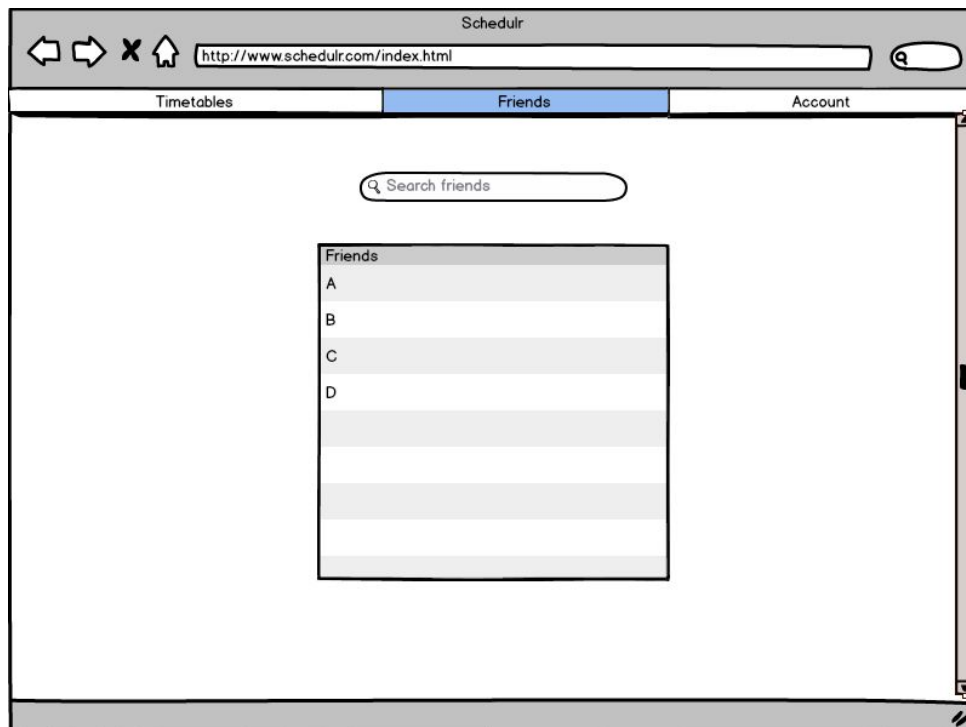
Done

Cancel

Main/Index - Timetables



Main/Index - Friends



Main/Index - Friends (Clicking on a friend)

The screenshot shows the 'Scheduler' application with the 'Friends' tab selected. A 'Timetable Comparison' window is open, displaying the schedules for John Smith and Andrew Jones. The window has a close button (X) in the top right corner.

John Smith						Andrew Jones					
	Monday	Tuesday	Wednesday	Thursday	Friday		Monday	Tuesday	Wednesday	Thursday	Friday
9-10						9-10					
10-11						10-11					
11-12	CSC309					11-12	CSC309				
12-1						12-1		CSC373			
1-2						1-2					
2-3						2-3					
3-4						3-4					

Account Settings

The screenshot shows the 'Scheduler' application with the 'Account' tab selected. The page is divided into two main sections: a left sidebar for friends and a right panel for account settings.

Search friends:

Friends List:

Friends
A
B
C
D

Account Settings:

First name: John
Last name: Smith
E-mail: johnsmith@gmail.com
New password:
Password confirm:

New Timetable

Schedulr

<http://www.schedulr.com/newtimetable.html>

Search course

	Monday	Tuesday	Wednesday	Thursday	Friday
9-10					
10-11	CSC309				
11-12					
12-1					
1-2		CSC373			
2-3					
3-4					
4-5					

Course Code: CSC373
Course Name: Algorithms
Instructor: ...
Timeslot: ...

Remove