

**UNIVERSITY OF THE SOUTHERN CARIBBEAN
MARACAS ROYAL ROAD, MARACAS, ST. JOSEPH.**

Topic:

Assignment 2
CPTR352: Business Programming

Instructor:

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By:

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Approval.....

Student Companion aims to be responsive and simple. Our desktop browser screens will easily transform to mobile screens and serve each device type differently. We want to form some familiarity by keeping all screens across the board similar, and make our UI friendly to these devices, by making buttons and icons appropriately sized. These designs won't change much from mobile websites to native hybrid apps. For uniformity and simplicity it may not be necessary to hold two different designs for each environment, however, some concerns may be addressed about the difference between them.



UI Design with the help of uizard.

Color theme: #16114F

Font Style: Playfair Display, Roboto

Browser



Desktop Sidebar

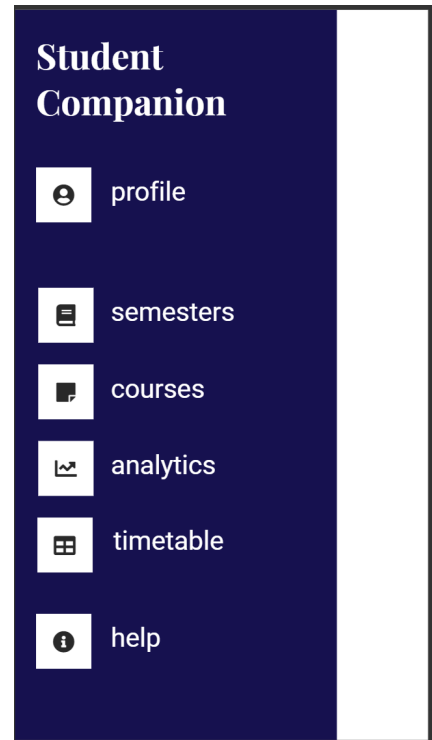
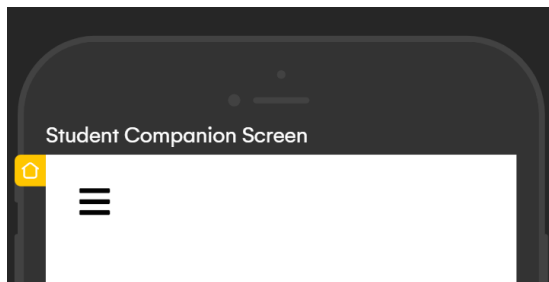
This side bar will contain all necessary links to each page. If **LOGGED IN** this is displayed on every page at the left hand side, and changes it's design depending on the size and dimensions of the device.

1. Profile
2. Semesters
3. Courses
4. Results / Analytics
5. Timetable
6. Help

Mobile Sidebar

On mobile apps this sidebar will be hidden and only accessible by touching the menu icon that will be found on all pages. This allows more real estate on the smaller mobile screen. Tapping off the sidebar will allow it to close, which is a familiar expected behavior of the UI.

For Tablets if in landscape mode it is expected to use the desktop view, however, if it is in portrait it will switch to the mobile view.

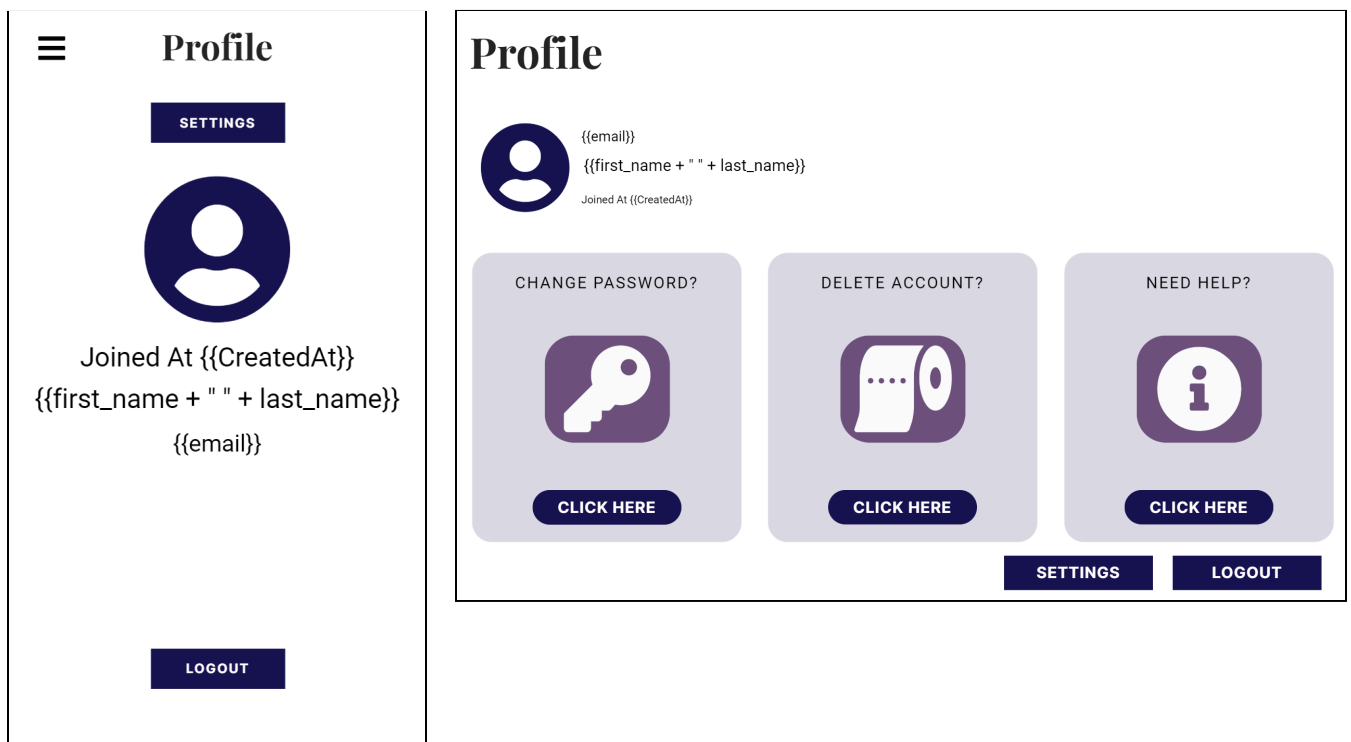


Screens and Pages

Profile

From the Student database information about the user will be displayed such as when they joined, their full name and email used to create the account. Settings button sends the user to more options which will allow for password, updates, editing name etc. Logout button allows the user to logout.

The only functional difference between mobile apps and the web app will be the positioning and formatting for the data to be displayed. Within the desktop version more helpful widgets are shown to users to quickly do actions like changing their password. These options are already available in the setting page.



For the desktop version more options for helping are available to the user.

Login

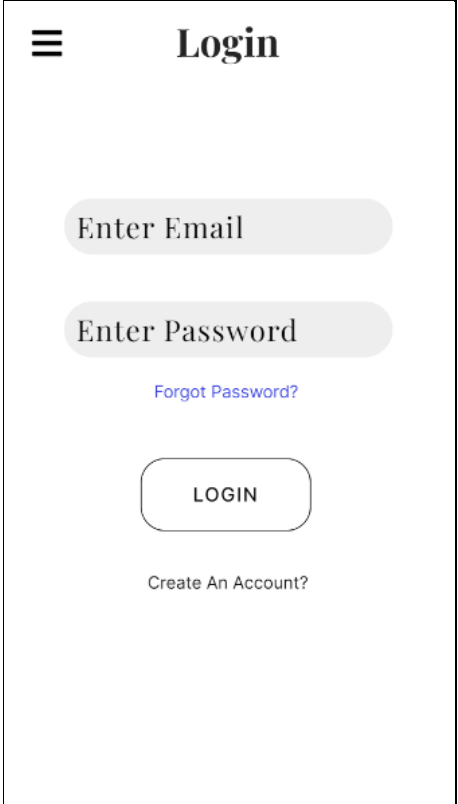
With login we needed simplicity and functionality.

Users will login with their email and password. On this screen you are given options to navigate to other pages such as the forget password page, and registration page.

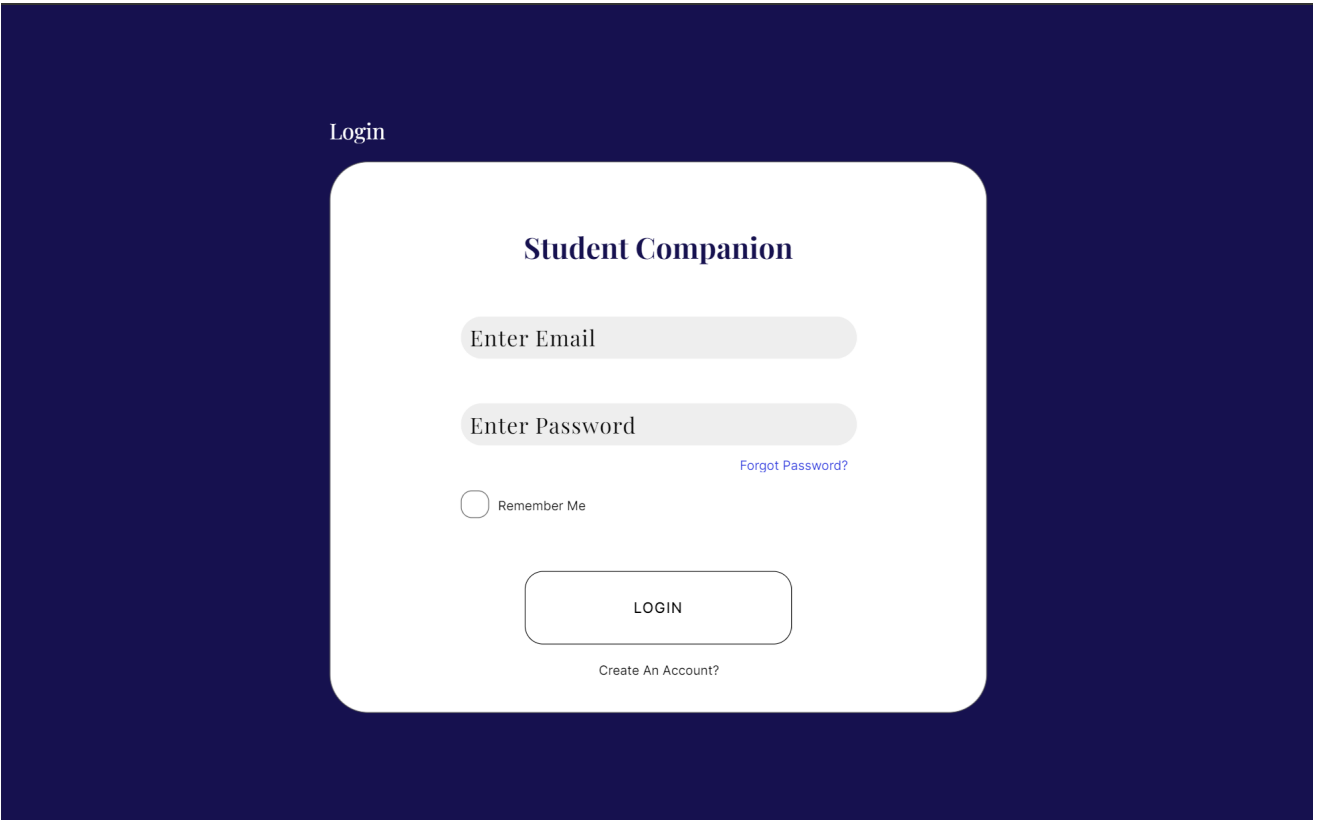
Based on information from wpamelia.com it was realized some aspects to be conscious of.

1. Prompt if capslock is on
2. Allow users to recover password from the login screen
3. Remember me is important for a user friendly experience

Native Mobile and Web Application



A login screen mockup with a white background. At the top left is a hamburger menu icon. To its right is the title "Login" in a bold, black, sans-serif font. Below the title are two rounded rectangular input fields: "Enter Email" and "Enter Password". Below the password field is a link "Forgot Password?" in a small, blue, sans-serif font. Below that is a rounded rectangular button with the text "LOGIN" in a bold, black, sans-serif font. At the bottom is a link "Create An Account?" in a small, black, sans-serif font.



A login screen mockup for "Student Companion" with a dark blue background. At the top left is the word "Login" in a small, white, sans-serif font. In the center is a white rounded rectangular card. Inside the card, at the top, is the title "Student Companion" in a bold, dark blue, sans-serif font. Below the title are two rounded rectangular input fields: "Enter Email" and "Enter Password". Below the password field is a link "Forgot Password?" in a small, blue, sans-serif font. Below that is a checkbox with the text "Remember Me" in a small, black, sans-serif font. Below the checkbox is a rounded rectangular button with the text "LOGIN" in a bold, black, sans-serif font. At the bottom of the card is a link "Create An Account?" in a small, black, sans-serif font.

Registration

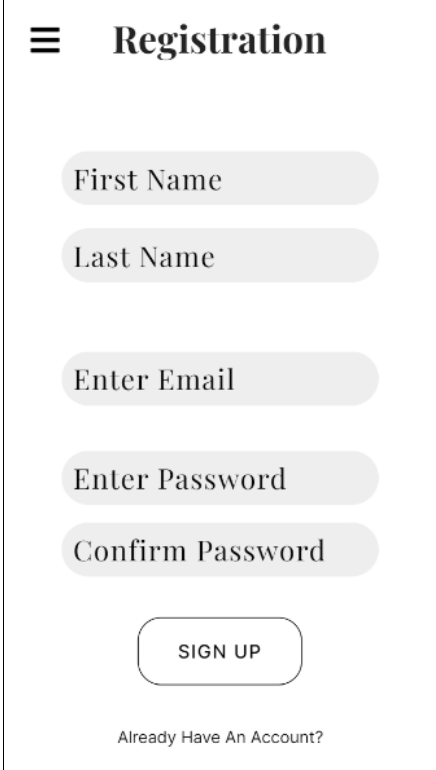
This page allows users to sign up with all relevant information such as:

1. First Name
2. Last Name
3. Email
4. Password

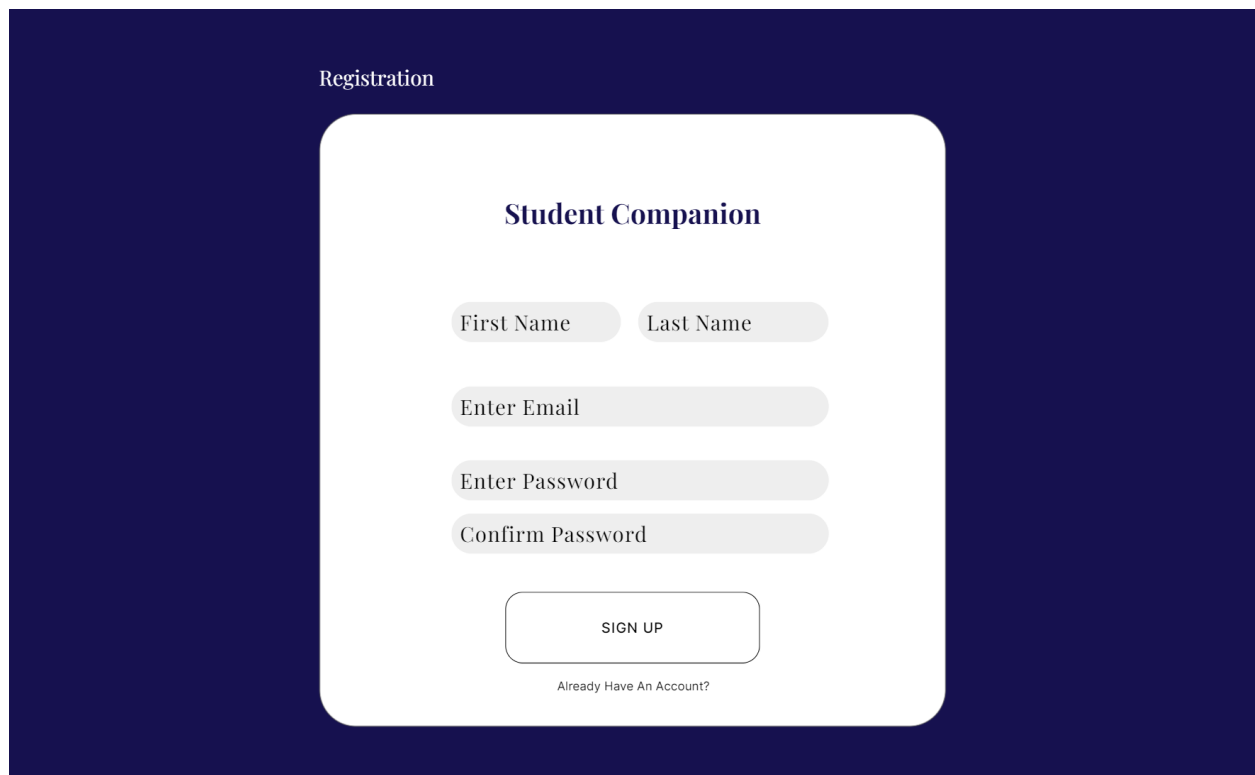
It is best practice to make sure the user enters the password they want. This is why they need to confirm it. Also if on caps again just like the login page it is made aware to the user that capslock is on.

If the user already has an account they can click the text underneath the sign up button to be directed to the login page.

Native Mobile and Web Application



A registration form mockup with a hamburger menu icon and the title "Registration". It contains five input fields: "First Name", "Last Name", "Enter Email", "Enter Password", and "Confirm Password". Below these fields is a "SIGN UP" button and a link "Already Have An Account?".

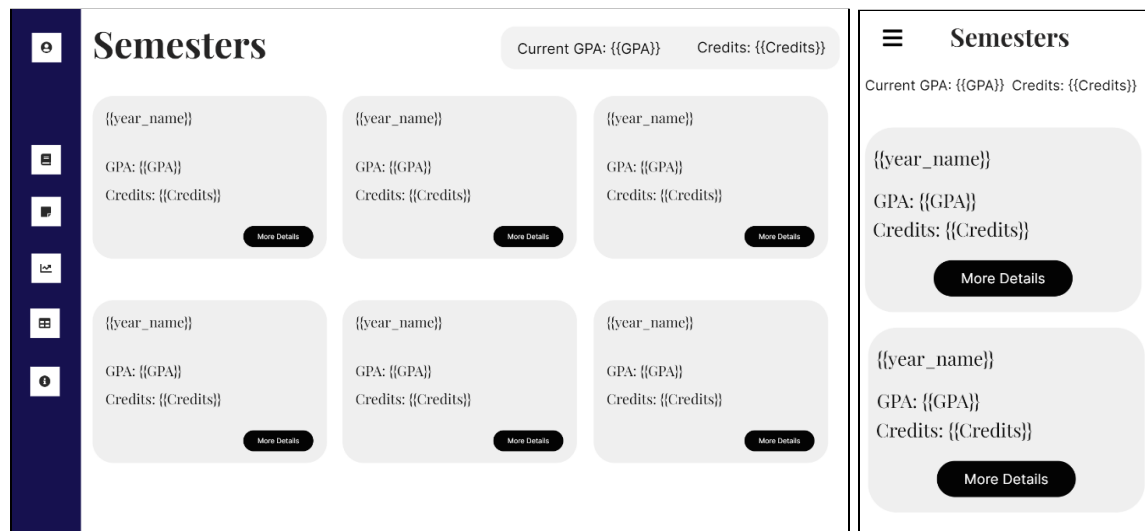


A registration form mockup with a dark blue background. The title "Registration" is at the top left. The form is a white rounded rectangle with the title "Student Companion" in the center. It contains five input fields: "First Name", "Last Name", "Enter Email", "Enter Password", and "Confirm Password". Below these fields is a "SIGN UP" button and a link "Already Have An Account?".

Semesters

The semesters page is simple and will only contain widgets of a preview of each semester. This preview will include the credits done, and overall semester GPA. The overall gpa will be above. Semesters are ordered from latest to earliest.

Native Mobile and Web Application



For this we realized that the Semester entity may need additional attributes such as, *total credits*, and *year name* (sophomore, junior, senior etc.).

Adding a semester will be done with an add button that will float in a fixed position at the bottom right hand corner of this page, both on mobile and desktop.



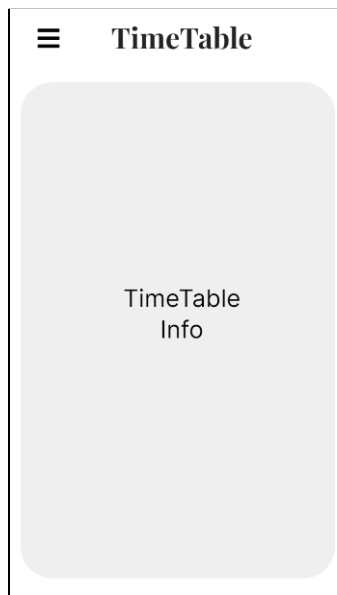
TimeTable

Time table will show only a timetable widget of current events

Based on activities dates it will appear on the timetable.

Time table will show the current month and the software will allow users to go backward and forward between months.

Native Mobile and Web Application



Courses

Courses page will contain all information about each course a student has and is doing, from newest to oldest. This will allow them to add notes and attachments to the course.

Analytics

This takes all the results for each course's activity and displays it on a line graph.

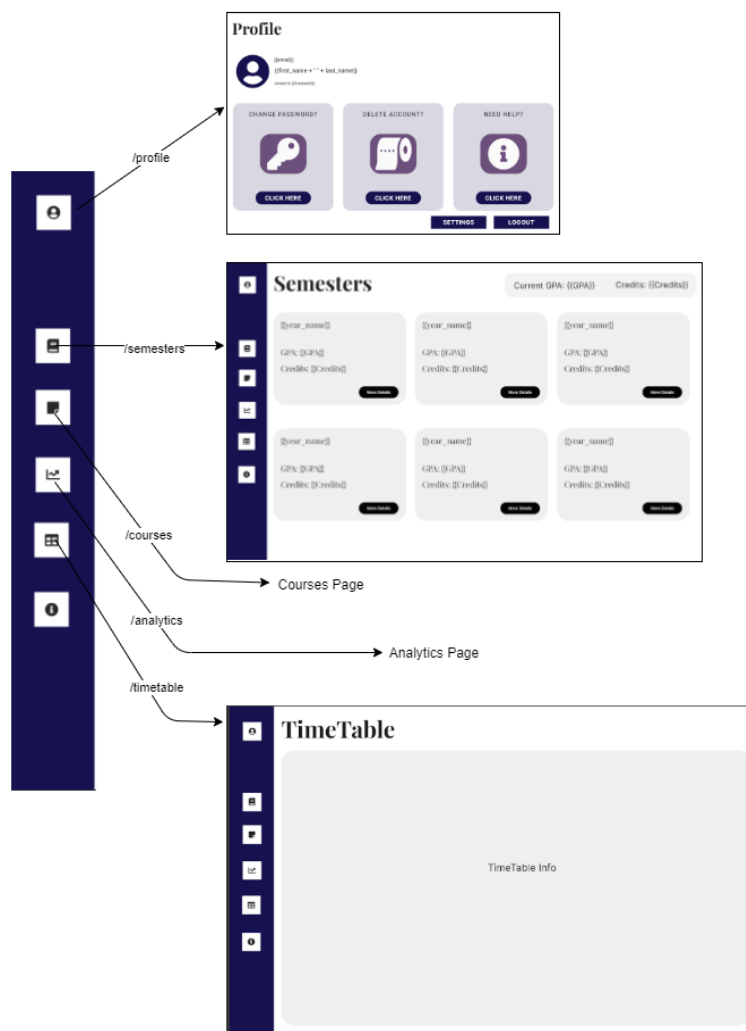
Help

Give users guides on how to do various activities on the application.

Web App Structure

As an application provided on the browser, this application will be fully responsive with the screens provided above. The website's different pages will be accessible through the sidebar

These icons will send users to the many different pages on the website. The one concern about this design will be making sure the icons clearly represent the page. To aid with usability the tooltip function will be used to label icon buttons once users hover over them. This is so design and functionality may coincide.



References

Staff, A. S. (2021, March 20). *Login Page Design: Do's and Don'ts*. Wpamelia.

Retrieved March 7, 2022, from

<https://wpamelia.com/login-page-design/#:~:text=Your%20login%20page%20should%20contain,%2C%20Google%2C%20or%20Twitter%20accounts.>

Clay, B. C. (2020, December 23). *7 Mobile Navigation Best-Practice Steps for UX & SEO*. Bruceclay. Retrieved March 7, 2022, from

<https://www.bruceclay.com/blog/mobile-friendly-navigation/>