

PROJECT REPORT

STUDENT SUPPORT SYSTEM

WEB TEAM

➤ **Summary**

On the 4th of November, 2020, the User Interface (UI) team presented to us the User interface and the flow for the requested Student Support System. The UI was designed for the Mobile Application. This gave the web team a more difficult task since we have to scale up the design to fit larger screens. The Web team, though decreased by a member, started work the next day.

➤ **Team Progress**

At the time of writing of this report, the web team have been able to develop the Minimum Viable Product of the front-end Student Support System using the UI and flow as provided by the User Interface team.

We have made an initial scale up for the User Interface that is susceptible to change in the final product. The Minimum Viable Product of the application can be interacted with [here](#).

➤ **Challenges**

1. *Authentication API*: To authenticate students before using the application, we would need access to all students of the University. We think however that it would easier to use the authentication Application Programming Interface (API) that the school has and uses to authenticate students for the Academic Information Manager (AIM) application. Without access to this API, we have no idea how to authenticate students before they use the application owing to the constant admission and graduation of students each year.
2. *Campus Navigation*: As part of the design, we are to implement a navigational system into the application to aid students to move in and around campus with ease. Getting the API key for google maps has proven to be difficult. Upon research, I (Obitrim Paul, team Lead) suggested to use [Mapbox gl](#) library that would help us to speedily set up the Google Maps within minutes. However, it has pricing plans which requires funds.
3. *Counsellors*: This application involves the counselling sector. The Web Team has identified that certain data about various counsellors at the various colleges will be required.

All in all, the development of the application is steady. Resolving these challenges will help us a lot to speed up development as some of these challenges have impeded our progress.