Course Schedule Planning:

This poster introduces mobile application which makes course schedule planning based on user’s preferences about sections and time with React Native. The algorithm that creates schedule with user’s preferences already constructed for web based personalized course schedule planning program SUCrudier, the main purpose of this project is enhanced the accessibility of SUCrudier by switching the program to a mobile platform. As a result SUCrudier being more universalize and support to concept of simplicity.

OBJECTIVES

Preparing a schedule is an important problem for students since there are lots of preferences, sections and consequences between classes students want to take. SUCrudier is a web based program which may be seen as complicated for students. This project is about designing a mobile application for SUCrudier with React Native to ease the usage of program for students. Our objective is helping the students for their program creation with the simplicity. As a result they would create their most satisfied program only with their mobile phones , tablets...

SOLUTION APPROACH

Firstly we did survey to students to understand what qualifications did students desire. Then we started with designing interface of the program to make it useful and easily understandable by hand. Then we examined the libraries and components that we could use and learned how to create components and implement them into specific page. We started to create our application by downloading React Native which is a cross-platform mobile application development platform using JavaScript code (https://facebook.github.io/react-native/). By using tab options we created two main mobile application development platform using JavaScript code (https://facebook.github.io/react-native/). By using tab options we created two main mobile application development platform using JavaScript code (https://facebook.github.io/react-native/). By using tab options we created two main mobile application development platform using JavaScript code (https://facebook.github.io/react-native/).

My Schedules (Figure 3) is the second tab navigation screen that users can see their saved schedules with CRN codes of selected classes in a table. And they can view the detailed schedule by day and time by clicking on the name of saved schedule.We implemented the table component of React native to create table of schedule names and CRN codes for “My Schedules” screen and assigned the rows as a button which navigates through its detailed version also we implemented similar table for detailed schedule by day and time.

CONCLUSIONS

We couldn’t manage to finish all the properties of the project as we wanted in 3 months because this project needs strong and deep knowledge for coding in JavaScript. React Native provides us semi-ready components which provides us to create template. We should improve our mobile coding skills and upgrade the template with advanced implementations. On the other hand we tried to build the simplest design for students because we believe that simplicity is helping the decision-making mechanism. Also we managed to create most of the pages we planned and we thank Saim Emre Şahiner for his helps to enhance and beautify the UI and UX and also for publishing the application on his App Store and Google Play Store accounts, you can find it by searching SUCrudier. We will add some missing features to Generate such as adding Section Preference for selecting specific section of chosen class or relevant lab, recitation or discussion. In the long term, SUCrudier will be a very good precursor for an intelligent scheduler for universities and maybe in another branch.

REFERENCES

The fastest way to build an app.(2019) retrieved from https://expo.io/