

Bi-Weekly Report (3/10/21~3/22/21)

Accomplishments

Front End:

- Resigned User Interface (UI) with three different scrollable categories.
- Navigated scholarship components to survey components.
- Restructuring of components to class structure for scholarship screen.
- Restructuring of components to class structure for college survey screen.
- Drop down selector added for gender for scholarship survey.
- Multiple Select drop down selector added for region preferences for college survey.
- Date picker added for date of birth question for scholarship survey.
- Added a web view component to allow the users to sign up and forgot passwords within the app.
- Fixed UI pixel issue on cross platform.

Back End:

- Implemented user creation connection with the database.
- Salted and hashed password for secure storage.
- User's able to be recommended scholarships based on their user profile.
- Users are able to view scholarship information via RESTful API.

Other:

- Research on factors that users focus on when choosing majors:
https://docs.google.com/document/d/1riDqgPpmBJgo-BNusrmhdUQ0dQcHMw0JRbi_zGs1RLY/edit?usp=sharing

Upcoming Goal

Front End:

- Error checking for all user input.
- Button for international students to opt out of zip code questions.
- Find and implement a better library for Date Picker.
- Implement drop down multi-selector for ethnicity, religion, and race.
- Slider component for Major Survey.
- implement major and college main components.

Backed End:

- Send email to newly created users with a verification link.
- Verify account if email link is clicked.
- Deactivate verification code after 15 minutes.
- Filter out scholarships that are not applicable to the user.
- Modifying threshold of similarity for scholarships returned to users.
- Web scraping the college information from www.niche.com.

Issue & Barriers

Front End:

- Third party component library compatibility issues between Android and iOS platform.
- Deprecated component libraries do not work as per documentation.
- Dependency - development environment compatibility issues.
- Layout compatibility issue: we have to make sure that the layout setting we designed has appropriate layout throughout different size of devices.

Back End:

- Flask-mail encountering problems with sending emails to users.
- Querying all possible scholarships applicable to the user and filtering user more efficiently, currently ($O(n^2)$) efficiency.
- The niche is detecting the web scraping program and blocking the scraping.