

## **CSC309 Proposal - StudentToMentor**

### **Application Topic**

The purpose of our web application is to help university students find mentors in their field of interest. There are websites that exist to help people find mentors in their industry, however many of them are geared towards people who have already graduated from university and most likely have already begun their careers. It's harder for students to find mentors who are willing to work with them, compared to people who are already in the workforce. This web program would allow students to be matched with mentors who are particularly interested in working with students. Students and mentors can create profiles and submit applications. Admin users can then go in and match mentees with mentors based on particular qualities of their application, such as career interests.

### **User Interactions**

#### ***Creating and Updating a Profile/ Logging In and Out***

There will be three types of Users: Admins, Students, and Mentors. Students and Mentors will be able to create a profile with their personal information, such as name, gender, address, email address, picture, etc. After a user has created a profile, they are able to log in with this profile in the future, and log out whenever they choose. Students and Mentors can only change their own profile information, while Admins can change anyone's profile information.

#### ***User Dashboard***

There will be an option to view their profile.

There will be an option to send in a new application, and to view applications they have previously made.

There will be a "Quick Search" bar for searching for other users profiles, and an option to go to an Advanced Search Page where they can view more results and filter their search further.

#### ***Viewing a Profile***

Admins have the authorization to be able to view all the information in every person's profile. Students and Mentors can view profiles of other Students and Mentors.

#### ***Sending in an Application***

Once a student or mentor has created a profile, they can send an application to the program through a form that asks them for their career interests, expected graduation dates, mentor, preferences, a statement on why they want to be in the program, etc. Admins are the only ones that can change the information submitted on someone's application.

#### ***Profile Search***

Students or Mentors will be able to search for another user's profile based on their name, career interest, tags etc. This would open a new page showing all the profiles that match the search terms.

## ***Admin Dashboard***

There will be an option to view a list of all User Profiles in the web application. There will be an option here to add a new user. The view will initially have a list of all users, with options beside each user to either delete them or edit their profile. There will be a search bar on this view to search for particular users based on things like name, student number, career interests, etc.

There will also be an option to open the Matching view.

There will be an option to view previous year's finalized matches and applications. An admin can purge the information from the previous year.

Admins will have options to download data (such as users, matches, applications, etc.) as a CSV and use that CSV in the future to re-populate the database.

## ***Matching Students with Mentors***

Admins have access to the matching view - since they are the ones who are going to create the Mentor-to-Mentee matches. Students and Mentors won't have access to this view. Admins will be able to see all the students and mentors that have applied to the program in a particular year, and through the user interface, be able to match students with mentors. Admins can search for particular tags to assist them in matching mentors with students - for example, filtering the students and mentors based on a particular career interest.