• Nowadays students that seek answers for school related questions usually use search engines as their main source of information. In most cases this information is unreliable and often incomplete. This project was envisioned to fulfill this need; to allow students to communicate with mentors that are experts in their field. On our mentoring platform students can post a question of any subject and it will be assigned to a mentor with the highest expertise on the subject to get the most reliable and accurate answer. In addition, to complement the student-mentor interaction experience, our mentoring platform will be integrated with another system that will allow communication through live video chat, white board brainstorming, file sharing or simple messaging. In specific to our senior project class, this platform could be used for communication within team members and their mentors.

• My role in the project was to implement some functionalities of the access point and registration subsystem, as well as the mentoring subsystem. These functionalities include login, log out, register user, add domain, rate domain expertise, and change availability, among others.

Today there exists two subsystems that have already been implemented in previous senior projects: Virtual Job Fair and Online Mobile Judge Version 3. These two plus the mentoring subsystem will add up to create the Collaborative Platform.

The mentoring subsystem, which will be built from scratch, will create an environment where users can place questions and receive relevant and credible comments from approved mentors.

Registration & Access Point Subsystem:
The registration and access point subsystem will be the main entry point for our platform. This will facilitate the process across the user database. This subsystem will also cover the creation of new users and the retrieval of passwords for current users.

The system shall…
• Allow the user to register.
• Allow the user to log in.
• Allow the user to change their password.
• Allow use to log out.

Mentoring Module:
The mentoring subsystem will cover the essentials of the mentoring module. Specifics to the mentoring module are separated into this subsystem. It covers the essential workflow of the ticketing system for issues created by mentees for the different types of mentors.

The system shall…
• Allow a user to change their biography
• Allow a user to change availability
• Allow project mentors to retrieve all their assigned projects.
• Allow project mentors to add available projects.
• Allow personal mentors to retrieve all their assigned mentees.
• Allow personal mentors to add available mentees.
• Allow domain mentors to retrieve all their assigned domains and respective expertise rating.
• Allow domain mentors to add a domain.
• Allow personal mentors to create meetings with their mentees.

The mentoring subsystem will allow students, mentees, domain mentors, personal mentors, and project mentors to interact in an agile way during their time within the senior project course. The current registration process allows a thorough selection for the mentors to pick and choose whichever projects or mentees they wish to work with. With the addition and functionality of the ticket subsystem, all users will be able to place a question and get the most relevant and credible comment.

In the future, the Collaborative Platform will aim to be fully integrated with all three subsystems, retrieving some of the features of the virtual job fair to allow for more interactive meetings between mentors and mentees.