**Final Report**

**Problem**

The original course selection system is not convenient and take students too much time. The original course selection system was based on web pages. Students need to sit in front of computers to register their favorite course. For some courses that too many students want to register, students need to register it immediately when course selection system open. It is not convenient to register the favorite course for someone could not use the computer.

**Solution**

Student could register their favorite course anywhere or any time by using the mobile course selection system. It is convenient and quick for student to register courses. Firstly, students could check the information of themselves including the account number, password, student major, student name and student id. Secondly, student could modify their password. Thirdly, student could browse the information of class and search them by the subject and course name. The information of class are including course name, course id, course time, instructor of the course, course description. Fourthly, student can search the courses that you want to select by the subject and course name to see the information, including course name, course id, course time, instructor of the course, course description, the number of seat and the number of waitlist. Then you can register it. Finally, student could check the registration information, including course name, course id, course time, instructor of the course, course description, the number of seat and the number of waitlist. Then you could remove it or register it if you are in the waitlist.

**Introduction**

There are two entities, course and student. The course information are including course name, course id, course time, instructor of the course, course description, the number of seat and the number of waitlist. The student information are including the account number, password, student major, student name, student id, the student time, the status of registration.

The first scene is the login scene that designed by view controller. Only when you input the correct account number and password number, you could jump to the main scene.

The main scene is designed by view controller and including five functions. The functions are including password modification, student information, registration information, browse class and register class.

Password modification scene is designed by UIView Controller. You could modify your password in it.

Student information scene is designed by UIView Controller. You could check the information of themselves including the account number, password, student major, student name and student id.

Registration information scene is designed by UITableview Controller and UIView Controller. You could check the registration information, including course name, course id, course time, instructor of the course, course description, the number of seat and the number of waitlist. Then you could remove it or register it if you are in the waitlist.

Browse class scene is designed by UITableview Controller and UIView Controller.

Browse class Register class scene is designed by UITableview Controller and UIView Controller. You can could browse the information of class and search them by the subject and course name. The information of class are including course name, course id, course time, instructor of the course, course description.

Register class scene is designed by UITableview Controller and UIView Controller. You can search the courses that you want to select by the subject and course name to see the information, including course name, course id, course time, instructor of the course, course description, the number of seat and the number of waitlist. Then you can register it.









