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ABET Survey System

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Dept. of Computer Science and Engineering Senior Project - 2020



PROJECT OVERVIEW/BACKGROUND

Use data from student/faculty from each course that is enrolled/taught in to assess the department courses for ABET accreditation. Close to the end of the term, students assess their CSE courses based on pre-specified course outcomes. After the course is finished, instructors are provided with that data. Reports are then provided to the department Undergrad Curriculum Committee and the Undergraduate Coordinator. This is important because so that the courses will be assessed according to the course and relevant program outcomes and decided if the course is needed or if the course needs to be changed.. Our job was to rework the current ABET system. Also to make it easier to use so that professors and administrators can navigate through the system easier, find classes, and find grades, etc. quicker with less trouble.

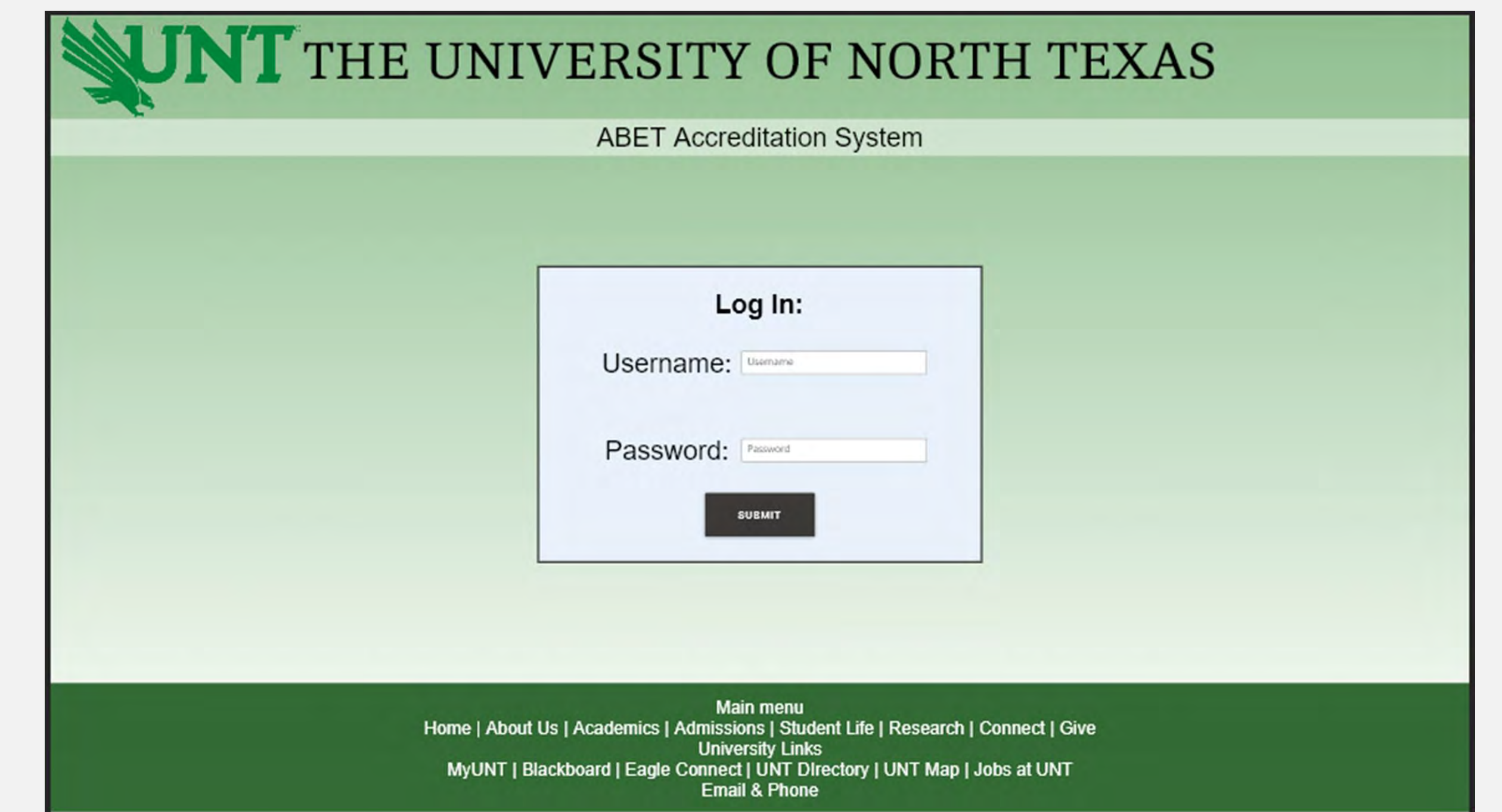
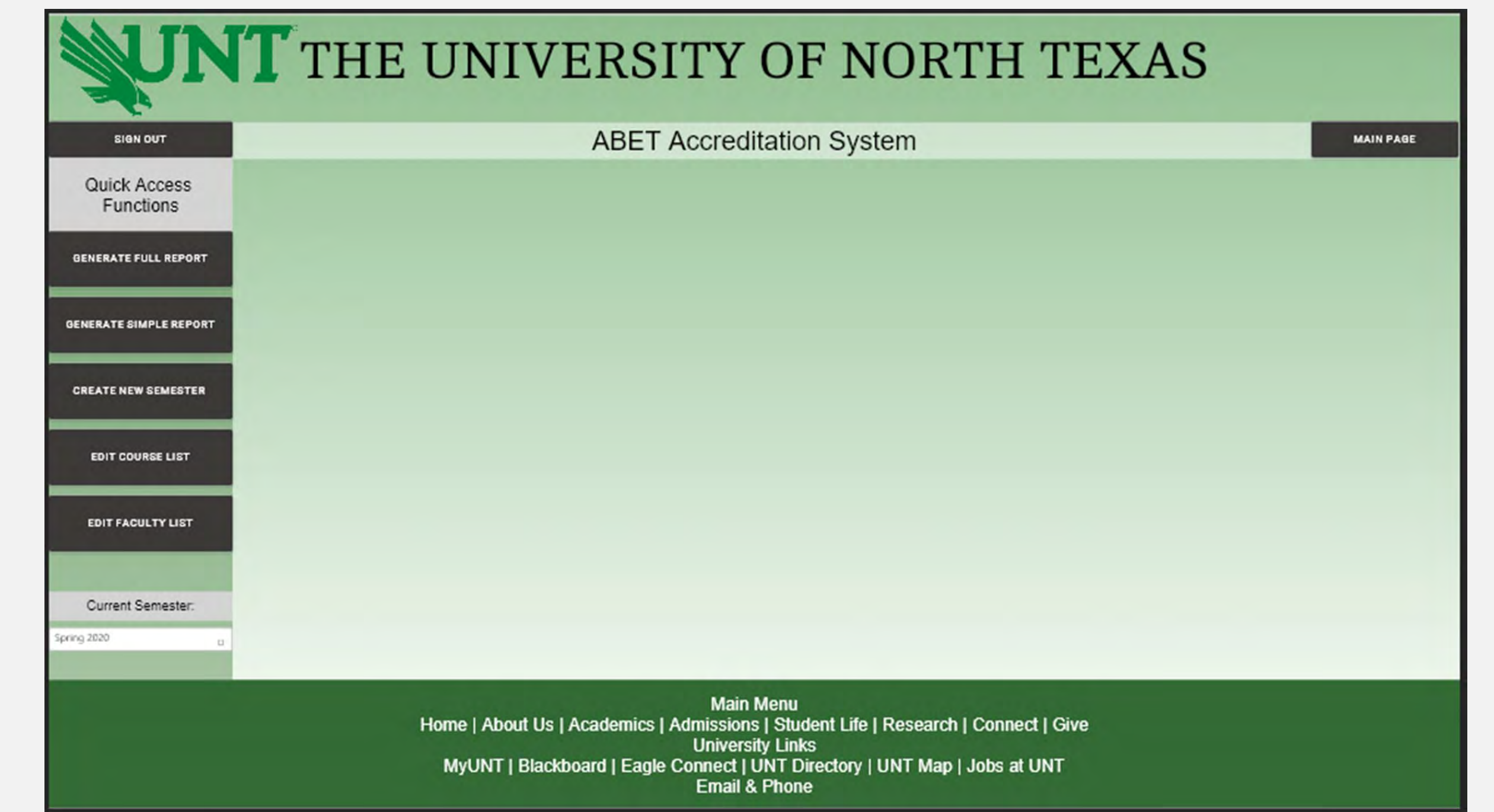
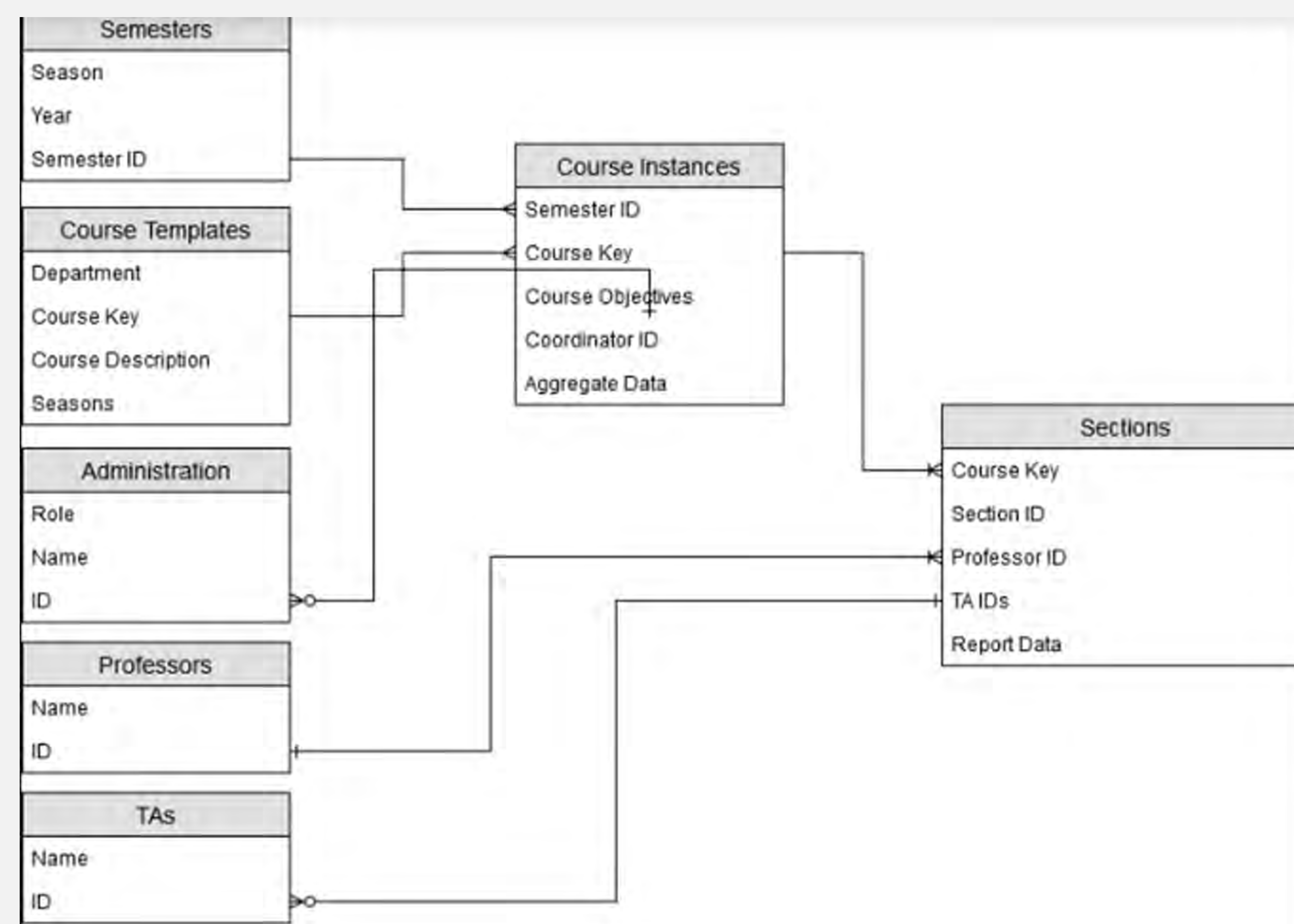
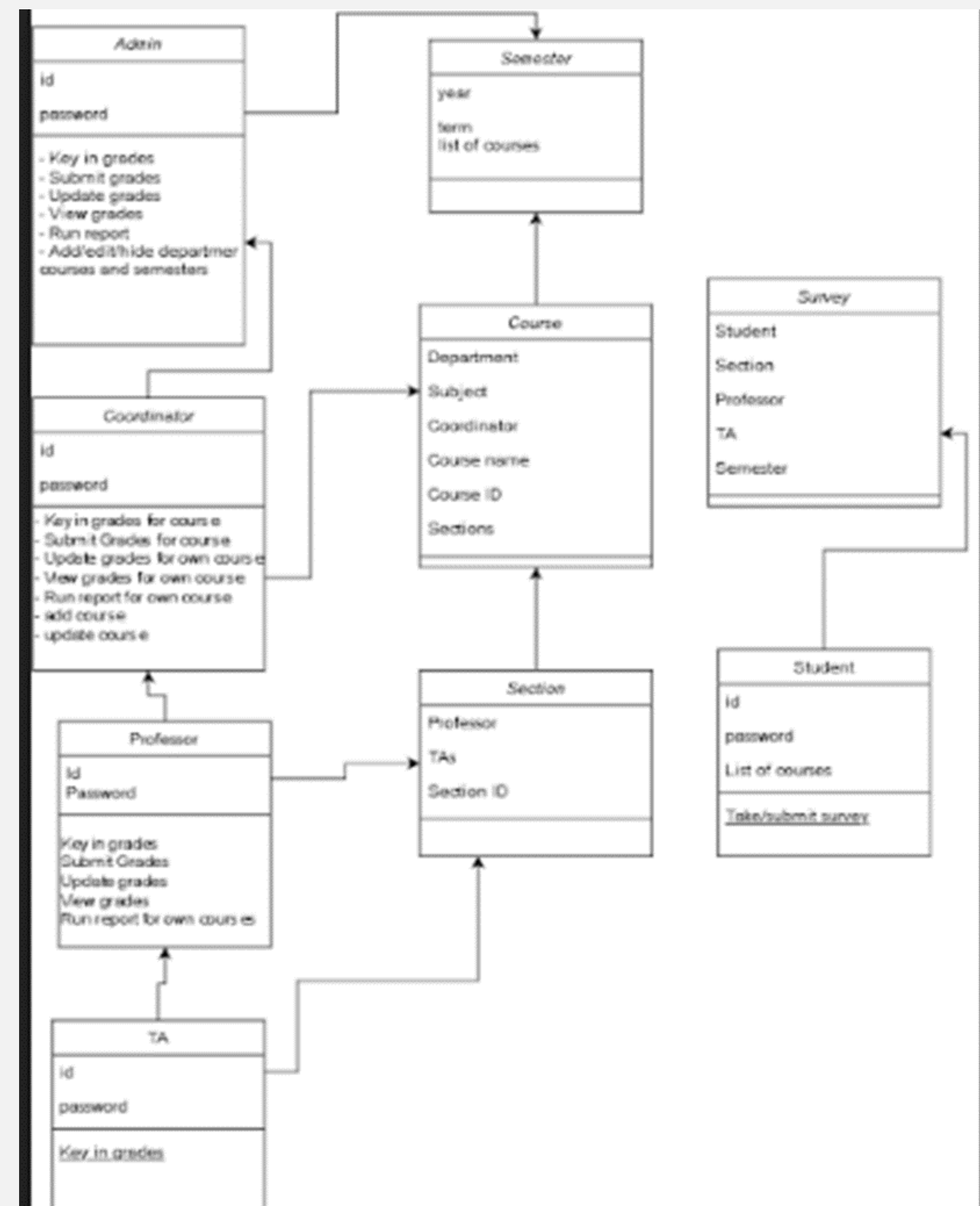
FEATURES

The Features of the ABET System are to be able to Login, Sign Out, and Select Current Semester. Also It will be able search by Department, Course, Subject, Section, and Professor/TA. Most importantly it will be able to Generate a full report, a simple course report, edit course list, create a new semester entry, and edit the faculty list.

DESIGN

- Microsoft Access- used for the database.
- AngularJS - used to code the front end and back.
- Lunacy/Sketch- used to create and visualize the code and elements of UI.

The diagrams shown are the class diagram on the top and the database diagram on the bottom which show the relationships between the roles and their properties.



SCREENSHOTS

The following images show the User Interface (top) with all the features and the Login screen (bottom) with administrative and Professor/TA login capabilities.

TESTING

The testing that was done was manual software testing for the system.

DATABASE

The database holds all the anonymized survey data and the data on courses that the survey refers to.