

Senior Design Grading Portal

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Overview

Senior Design Grading Portal is a web application that will present the instructor(s) with a dynamic user-interface to allow them to:

- Import and edit senior design project rubric
- Import and view enrolled student's information from UC Canvas
- Fill out the imported rubric and assign grades to students

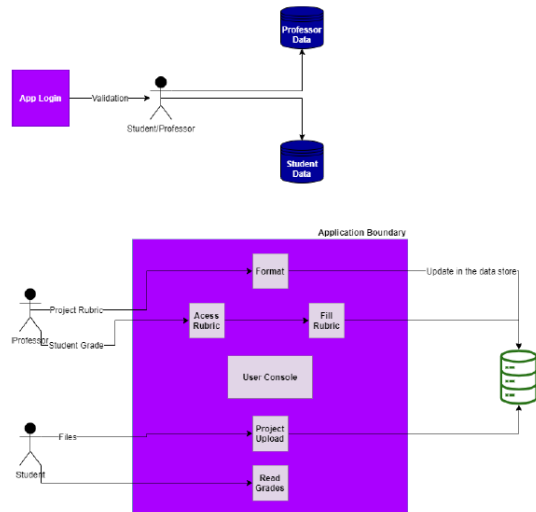


Figure 1: High-Level Design Diagram

Mission

Our primary goal is to create a dedicated and user-friendly grading portal for UC senior design course instructors that will ease the process of grading student' senior design projects.

Senior Design Portal Landing Page View

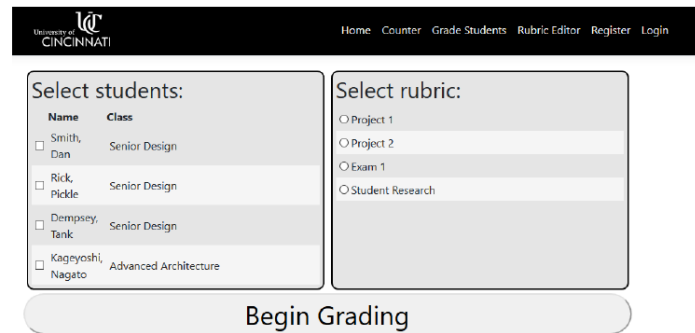


Figure 2: Instructor Landing Page View

- Above displayed image will be a UC instructor's landing page view upon successful login to the application portal
- Instructor can edit/manage rubric by clicking on the Rubric Editor tab present on the navigation bar
- The instructor is presented with a formatted list of all the enrolled students
- Adjacent to the list of students, instructor is provided with a list of available rubrics that they can choose from in order to start grading

Understanding System Design using Use Cases

- As a professor, I want to upload my student lists to the website so that I can easily manage info related to them and their projects
- As a professor, I want to log into the website from any computer and see the info pertaining to my class and students, so that I can securely manage their information
- As a professor, I want to upload my project rubric to the website so that I can interact with and make changes to it
- As a professor, I want to fill out and assign scores based on the rubric I have uploaded to students, based on the criteria in the rubric

Future Growth Areas

- Further development can focus on making the web portal accessible to the students enrolled in the senior design course
- Add feature to enable students to perform actions such as view group information, view grades, and upload project files.
- Add feature for instructor to allow to provide feedback to students for their submitted projects

Accomplishments

- Feature 1: Instructor's ability to import, parse and edit rubric from local system's directory
- Feature 2: Instructor's ability to import enrolled student's list from UC Canvas
- Feature 3: Instructor's ability to assign grades to respective students

Challenges

- Integrating UC Canvas API with the web-app to import enrolled student' information
- Developing an in-app rubric editor to import and parse a MS-Excel based rubric

Technology Stack Used



Developers



Rohan Kapoor



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