

CS336 Kute Grafiks Members:

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NOTE: Please attach your jdbc connector to the eclipse project's build path libraries tab. This project was optimized with Tomcat 7 and Java JRE 7. The war and eclipse project versions should run for you.

Introduction

The project relies on the information transfer between the jsp pages and servlet files. Professor Home page, Student Home Page, Admin Home Page, Login page, and the Registration pages are all dependant on the servlet architecture. Every user activity on a jsp page is relayed to the servlet in the shape of a formID field, where the servlet then properly reroutes the code depending on the number.

Chart algorithms and display tables were implemented directly within the jsp pages, while the form field and button user inputs were processed by the servlets.

Professor Functions

- Create account, login, logout
- Add courses with section ids, building and room codes.
- Add prereq ids to existing courses in the database.
- Maintain an up-to-date waiting list by removing students from the SPNREQUEST table after they enrolled with a SPN.
- Select a Course to check the active waiting list with spn request info.
- The waiting list is ordered in descending order by rating number.
- Prerequisites are listed on the waiting list page.
- A comment may be sent and attached to a specific special permissions request.
- Assign Special Permission Numbers to the highest rated student on the waiting list. The course SPN amount is decremented by 1 with every issued number.
- Special Permission Numbers are validated at the Student's status page.
- Retrieve a list of SPN numbers that have been assigned.

Student Functions

- Create account, login, logout.
- Add to account academic gpa, major, credits earned, graduation year.
- Add SP # requests for full lectures with a date stamp. Duplicates are checked.
- Check Simple prerequisites of students trying to sign up for a class.
- Check the status of the student's special permission requests.
- Status messages include: "ACCEPTED" "DENIED" "PENDING"
- Check the course catalog for the upcoming semester.
- Register for a class if prerequisites and class size requirements are fulfilled. The available space of the class is decremented by one with every successful register.

Admin Functions

- Record all the database data into a Hash Map and save the information into a text file.
- Load the database data and use the HashMap to regenerate the tables.