

CS460 University Management System User Manual

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I. Login Page

To ensure security and that the correct users were able to access the correct functionalities, our team decided to implement a login page which would ensure the functionalities made available to the user matched whether that user was an administrator, professor, or student.

II. Administrator Functionalities

A. Roster

The first functionality available to administrators is the ability to create a roster of professors. This roster can be ordered either by name, department, or salary. Once logged in, an administrator can use this functionality by clicking the “Professor List” button. They then would select from a dropdown what metric they would like the list to be sorted by.

B. Salary

The second functionality available to administrators is the ability to create a table that displays the minimum, maximum, and average salaries for each department. Administrators can use this functionality by clicking the “Salary Report” button after logging in. The report will be generated automatically on the page this button directs to.

C. Performance

The third and final functionality available to administrators is to display performance information for a specified professor in a specified academic year and semester. This performance information provided includes the number of courses that professor taught that semester, the number of students taught, the total funding that professor has, and the number of papers written by that professor. This functionality can be used after login by clicking the “Performance Report” button. From there, administrators will have dropdowns to select instructor, year, and semester followed by a “submit” button to generate the report.

III. Professor Functionalities

A. Course Sections

Professors have two functionalities available. The first of these two functionalities is to create a list of course sections that the professor taught in a given semester, along with the number of students enrolled in each of those courses. Once on the professor page the user can select the department and semester (1 being Fall and 2 being Spring) and click the “submit” button. After the button has been clicked a list will be provided that displays courseID, sectionID, and number of students enrolled respectively.

B. Students Enrolled

The second functionality for professors is the ability to create a roster of students enrolled in a course section in a given semester.

IV. Student Functionalities

A. Query Course Sections

For students, the University Management System only has one functionality available, which is to query a list of courses available by departments for a specified semester. To use this feature, once students are on the student page they will select department, year, and semester (1 being Fall and 2 being Spring) from dropdown menus and then select the “submit” button. After clicking the button a list of course sections will appear; this list includes the courseID and sectionID respectively.