User Manual

Introduction:

This user manual provides instructions on how to use the web-based University Management System, designed to support three types of users: admins, professors, and students. The system is built using the Django web framework and MySQL, with the user interface created using Django templates. To access the system, navigate to the localhost URL in your web browser. Once an account is created, log in using your username and password and you'll be directed to the correct page based on your user type; either admin, professor, or student.

Account Registration:

Users are given an account by the admin user so that they can use the site. When the user is created by the admin the username and password will be given to the student/instructor so that they can login. An instructor's username will always just be their last name. Once they have their login credentials they can go to the landing page of the site to login and be directed to the correct page based on their group.

User Types:

Admin:

As an admin, you have access to the following features.

1. **F1.**
   In this feature, you're able to select from 3 buttons on how you want to sort the list of professors from the university database. When a button is selected, click the submit button to be redirected to a results page where you'll see the list of professors sorted by the selected criteria.

2. **F2.**
   This feature creates a table of each department's minimum, maximum, and average salary. There will be a button on the admin page to view the department's salary statistics, and when clicked, you will be redirected to the results page with a table of each calculated number and the department.

3. **F3.**
   This feature highlights the total number of course sections taught during a semester, the total number of students taught, the total dollar amount of funding the professor secured, and the total number of papers the professor has published. To see these statistics, 3 input fields are provided: the professor's

name, an academic year, and a semester. Only the professor's name is required, and any combination of the other two are allowed. Once the desired input fields are filled, there is a submit button that will redirect you to the results page to view the queried tables.

Professor/Instructor:

As a professor, you have access to the following features.

1. **F4.**

   On the homepage for professor-users, they can select the search button for F4. In this feature, you're able to get the list of course sections and the number of students enrolled in each section that the signed-in professor taught in a given semester and year. When the search button is pressed, you will be redirected to a results page where you'll see the query. There is a logout button on the homepage and a back button on the results page.

2. **F5.**

   On the homepage for professor-users, they can select the search button for F5. In this feature, you're able to get the list of students enrolled in a course section taught by the professor in a given semester and year. When the search button is pressed, you will be redirected to a results page where you'll see the query. There is a logout button on the homepage and a back button on the results page.

Student:

As a student, you have access to the following features.

3. **F6.**

   For this feature based on a selected year and semester, a list of all the offered courses sorted by department is generated. To generate the list the user must select a year from the drop down menu labeled year, the current options are 2019 and 2020. Then the user must select a semester of that given year, so the options are spring or fall. After selecting both year and semester the student may then press the button labeled generate and they will be directed to a new page with the resulting list. On the results page there is a back button that allows the student to go back to the page with F6 on it where they can change their selections and generate a new list of course offerings.