Persia Pena Cruz

ELEC3225 Applied Programming Concepts

Marisha Rawlins

May 13, 2024

**Incremental Development**

A University needs a scheduling system similar to LeopardWeb. The system will allow students, faculty, and an admin to add courses, search for courses, print schedules, etc depending on the role they choose.

**1st Version:**

|  |
| --- |
| Create a menu for users to choose their role   * Get user information to store in the system   + First name, Last name, ID number * Create First Menu to choose role   + Student, Instructor, Admin   Based on chosen role, create a menu that lists these options   * **Students**   + Can view and search for a list of courses   + Can View and update registered classes (add/remove courses from schedule)   + Can view and print their schedule (courses their registered for) * **Instructors**    + Can view and print their schedule (courses they teach)   + Can view and print their class list   + Can view and search for courses * **Admin**    + Can view and update rosters and class lists (add/remove students)   + Can view and update the users in the system (add/remove users)   + Can view and update the courses in the system (add/remove courses)   Implement and test these requirements (just call and show/print functionality |

**2nd Version:**

|  |
| --- |
| Add in Courses   * All users will be able to list all the available courses   + Display a table of all courses listing course number, course name, CRN, location, meeting time, instructor, and number of credits.   + Display a table of all subjects offered at University: For example, list all math courses or all electronics courses. * Instructors and Admin will be able to view and list all of the people on the roster or class list   + Display a list of all students – ID Number, First Name, Last Name   Implement and test these requirements |

**3rd Version:**

|  |
| --- |
| Add real list of available courses and assign Instructors to teach specific courses   * Add in Database that stores student information (name, id number, registered courses for rosters, and instructor names   Implement and test these requirements |

**Final Version:**

|  |
| --- |
| Allow students, instructors, and admin to test system and choose options from the menu based on their role. If there are any errors, go back to the specific part and change.  Implement and test |