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Pseudo-LeopardWeb Registration User Manual

Overview:

The system is intended to mimic a university scheduling system like LeopardWeb. There are three different types of users: Student, Instructor, and Admin. Once a student is logged into the system using their credentials, they have the options to add or remove a course from their semester schedule based on CRN, check if there are any conflicts in their schedule, and print their schedule. An instructor has the options to print their course teaching schedule and print or search for a course's roster. An admin has the options to add courses to the system, remove courses from the system, add an instructor or student to the system, and link or unlink an instructor or student to a course. Any user has the additional option to search for all courses or search by a particular parameter. The system is entirely text-based, and users, including the admin user, do not have direct access to the database.

Database Details:

The database file has five tables: Student, Instructor, Admin, Course, and Enrollment. Each column of the user tables has an attribute. The course table has columns for CRN, title, dept, time weekday, etc. The Enrollment table tracks what courses students have registered for and what instructors are teaching the courses. Since all users and courses have their own unique ID, the table only requires three columns: `student_id`, `course_id`, and `instructor_id`. There are 12 courses in the database with different titles, departments, and times. There are 16 instructors, 21 students, and 2 admins. When a user is removed from the roster of a course, the ID is defaulted to a value of 0.

Warnings & Potential Errors:

The main menu for each user has options separated by number. If the user does not input an integer or enters an integer not listed, the system will give an error. If the user presses enter without typing any input, the system errors out. For the main methods like searching by parameters, adding courses, or altering a schedule, these errors are non-existent.

If you have any questions not answered in the manual, please contact us through email (monceyt@wit.edu) (sakibs@wit.edu) or phone (774-539-8940) (617-982-9087). By email, a response will be given within three to five business days.

Options (All Users):

(1) Log in

Once the system is launched, all users are asked for their first name, last name, and WID. The format of the inputs, like random capitalization, does not matter. Logging out ends the enter system.

(2) Search Courses

When selected (Option 1 for all users) a sub menu is displayed with two additional options: Search All Courses or Search by Parameters. When searching by parameters, there are seven parameters the user can choose. Only one parameter can be selected at a time. When an action is completed, the system remains in the sub menu until it is exited.

*Note: whenever an integer value is asked outside the main menu, the system will ask for an integer until an integer is given.

Student Options:

(1) Add Course to Schedule

The user is asked for a CRN for the course to add. To display the CRN of any course, choose the option to search all courses in the main menu (Option 1 for all users). If the course does not exist in the system, a message is displayed. Another message is displayed whether if the class is already on your schedule.

(2) Remove Course from Schedule

The user is asked for a CRN for the course to remove. To display your current schedule, choose Option 3 from the main menu. When a course is selected, a confirmation message is displayed. If the course is not on your schedule, an error message is displayed.

(3) Print Schedule

All courses in your schedule are displayed, grouped by CRN.

(4) Check Conflicts in Schedule

If multiple classes happen at the same time (Same time of day, weekday, semester, and year) a warning message and a list of all courses with conflicts are displayed.

Instructor Options:

(1) Assemble Roster

Once a CRN and Student ID is given, that student is added to the roster of that course. A confirmation message is displayed with the selected student's information.

(2) Print Roster

The entire roster of students and their information are displayed when given a CRN.

(3) Print Roster of All Courses

The rosters of all courses taught by the instructor are displayed immediately.

Admin Options:

(1) Add Course to System

The CRN is asked first. If the CRN already exists in the system, an error message is displayed and the user is asked to enter another CRN. The title, department, time, weekday, semester, year, and number of credits are asked one at a time. There is no confirmation message, and the admin must enter information for all entries.

(2) Remove Course from System

Only the CRN is needed to remove a course from the system. There is a confirmation message displaying all the course's information. If the CRN does not exist, an error message is displayed.

(3) Remove User

The type of user (Student, Instructor, or Admin) and ID must be provided to remove user from the system. There is a confirmation message, however this action cannot be undone once confirmed; the system does not keep track of deleted users.

(4) Add User

The given ID must be unique to the system. Each type of user has different informational categories, so the type of user must be specified.

(See Overview on Page 1)

(5) Link/Unlink Course

The ID and type of user (Student or Instructor) must be specified. Once a user is unlinked from a course, the ID is set to the default value of 0. When unlinking a user, if the user is not linked to the course, an error message is displayed. When linking a user, if the user is already linked to the course, an error message is displayed.