CS-3321 semester project

Requirements Document

Abstract

An organized and systematic solution is essential for all universities and organizations. There are many departments of administration for the maintenance of college information and student databases in any institution. All of these departments maintain various records regarding students. Most of these track records needed to maintain information about the students. This information could be general details such as student/ professor information, courses or assignments. We will be working on a database that houses the information used for a university learning management system.

Goals / Mission objectives of Learning Management system

To maintain (enter, update, and delete) data on students

To maintain (enter, update, and delete) data on professors

To maintain (enter, update, and delete) data on courses

To maintain (enter, update, and delete) data on assignments

To perform searches on students

To perform searches on courses

To perform searches on departments

To perform searches on professors

To allow students to view their grades

To allow students to view their assignments

To allow students to view their schedule

To allow students to add/ remove classes to their schedule

To allow students to view course information

To calculate and allow students to view their letter grade for each class

To allow Professors to add/ remove grades for assignments

To allow Professors to query the average grades for a class

To allow Professors to add/ remove assignments

To allow Professors to view list of students in class

To allow admins to add/remove students from the system

To allow admins to add/remove professors from the database

To allow admins to add/remove courses from the system

School friendly easy to use Graphical User Interface

Student User view GUI to facilitate student objectives

Professor User view GUI to facilitate professor objectives

Admin User view GUI to facilitate administrator objectives

Use Cases:

Add Course (student)

View course grades (student)

View Assignments

View Schedule

Remove Class

View Semester grades / G.P.A

Add/ Remove assignments (Professor)

View Class grades (Professor)

View Class roll