CIS 350   TERM PROJECT   Name:
KOK

This project will schedule sections of courses for CIS department. The scheduling entails assigning room and time to a section of a course.

An example would be CSC350-1200 Mondays from 1:00PM to 3:45PM in room F905 and Wednesdays from 12:00PM to 1:40PM in room F905

The input will be a course number and the number of days that the course is to be scheduled and a list of available rooms. The input will be a data files with this data.

The output will be
     a) a listing of all scheduled sections with course number, section number, start time, end time and room number;
     b) a selection of room numbers with a weekly grid of each course section that is scheduled for that room.

The project will be accomplished in phases:

I.   (10) Planning: Determine the resources, timing and any constraints. Create a GANTT chart for the schedule. Assign tasks to resources.
          Deliverable: GANTT chart, a description of the project

II.   (20) Systems Analysis and Requirements: Determine the needs of the users, interview stakeholders. Create a list of requirements for accomplishing the project and a Data Flow Diagram of the processes. There will be two opportunities to interview the stakeholders.
          Deliverable: Data Flow Diagram (Context, Level 0 and Level 1)

III.   (20) System Design: Detailed design of the system. Create prototype of input/output interfaces, Entity-Relationship Diagram and Use case diagram
          Deliverable: Entity-Relationship Diagram and Use case diagram

IV.   (20) Development: Creation of programs and any other elements needed for the project. The project will use XAMP stack as its development environment.
          Deliverable: User interface(s), Database dictionary

V.   (15) Testing: Creation of sample dataset, to test the system.
          Deliverable: Sample test data

VI.   (15) Implementation: Complete testing and post the system on the common web site.
          Deliverable: Source code with comments, database schema.