

Sample Projects

1. Syllabus Management System (SMS)

Each CS faculty emails his/her syllabi to the CS Administrative Assistant at the beginning of each semester. The Admin Assistant subsequently saves each syllabi on his/her hard drive.

The current system has several drawbacks: students do not have access to the Admin's computer, and hence do not have the ability to review the course syllabi prior to registering for the course. A student may wish to review the required textbook for the course.

The CS Faculty members do not have access to the Admin's computer or email, and therefore cannot easily review the contents of an existing course. This poses a challenge for a faculty trying to create a new course. The contents of a new course could easily overlap an existing course.

At the minimum, the SMS should provide the following capabilities:

- Allow faculty to submit and review syllabi each semester
- Allow students to review syllabi
- Allow the CS Administrative Assistant to manage the SMS. The CS Admin should be able to Add, Delete and Modify contents of the SMS

2. Hotel Management System

The hotel management software will have the following basic features:

- *Check-in details*
- *Check-out details*
- *Check- in process*
- *Check-out process*
- *Billing information*
- *Special offers*
- *Occupancy*
- *Room statistics report*

The Front Desk will use the software to make/cancel reservations, check-in/check-out customers. The design should include GUIs and a database

3. Order Tracking System

Order Tracking is a program to track orders for an organization. There will be two access levels staff and administrators. Staff access will allow for entering vendors and creating orders. Administrators will have additional access to approve or disapprove orders and setup and configure user accounts

The vendors screen will display vendor information including the vendor's address, phone number, web site, account manager, email, and additional notes. Users will be able to browse or search for vendors and add new vendors. Users will also be able to click on a button to place a new order which will open the order screen and populate the vendor field.

The orders screen will display order information including order number, order date, vendor, comments, purchase order number, comments, and line items. Users will be able to browse orders and add new orders. Staff will be able to print the request, submit the order for approval, and go back to the welcome screen. Administrators will be able to do everything staff is able to do plus approve and disapprove orders.

4. Scheduler

The Scheduler program is an application to schedule and manage appointments for employees' meetings with clients on a daily basis. Meetings may be scheduled on 2- 4 hour time blocks, in the morning and/or evenings. Managing a schedule means the ability to add, delete or modify an appointment. You should be able to get a quick look at the events in a single day or weekly schedule. This project will involve developing GUIs and linking them to a database