

CIS 435 Capstone / Term Project

Prof. John P. Baugh – University of Michigan – Dearborn
Fall 2016

Points: _____ / 200 pts

Due: **December 11, 2016 at 11:59 p.m.**

Instructions/Objectives

You may work by yourself, or in a small group (of up to 4 people.) However, if you do work on the project in a group, the **group must be of consistent academic degree level** (i.e. undergraduates must work with undergraduates, and graduate students must work with graduate students – NO mixed academic level groups.) It is okay for DLN and in-person (face-to-face) students to be in a group together, as long as their academic level is the same.

Ultimately, there will be the following deliverables for individuals and/or groups:

- The zipped source code and SQL dump of your project
 - Including all HTML, CSS, JavaScript, PHP, MySQL dump, etc.
- A report containing
 - Group member (or individual) names, and their primary roles/responsibilities for the project
 - Information on your design considerations
 - User Interface design (mockup of the interface, or other prototype)
 - System components and functions
 - UML activity diagrams, sequence diagrams, etc.
 - A summary/conclusion, including what you learned
 - Report must be of a certain length:
 - **Undergraduates:** 4-6 pages
 - **Graduates:** 6- 10 pages
- A tutorial with screenshots of the Web application being used
 - This tutorial should be at least 4 pages long
 - Usage scenarios should be documented thoroughly with screenshots/images to help understand how to use your application

Ideas/Examples

Previous students in CIS 435/525 have created interesting projects, including the following:

- Music sharing community
- Park review website
- Japanese character writing practice application
- Garage sale finder
- Restaurant order management system
- Online ticket ordering system
- Virtual lost and found board
- Snap and share (picture sharing)
- Online movie rental application
- Cartesian mapping tool
- Online game arcade
- Solitaire
- Web-based programming contest control system
- Online book store
- Content aware chat application
- Bookmarker
- Electronic flash cards
- Real estate application
- Playlist / YouTube hybrid

You may pick and provide a variation on any of these, or come up with something on your own/with your group.

Grading Criteria

- Originality
- Quality of report
- Quality of system implementation
- Demonstration of ability to use a variety of Web-based technologies

Deliverables

You must turn in a zip file of your project, including your report and any other required documentation. If you work in a team, only ONE member of the team must turn in the zip file, but the NAMES of the individuals on the team should be clear in the report and the comments when turning in the assignment.

You must also provide a link to where the project is published, whether your own hosting service, Amazon AWS, another cloud platform, or some other platform. **You are responsible for any/all charges that could occur. You will not be reimbursed by the CIS department, instructor, University, or magic money faeries.**