CMPS 356 – Fall 2015

**LAB Assignment 1: UI Design and HTML-based UI prototype of** **Capacity Override Management (COM) Web App**

1. This is an individual assignment
2. Due date is right at the end of the lab.
3. Push your work to GitHub as you make progress.

## Requirements

You are required to design and develop a Capacity Override Management (COM) Web App to allow the students to submit and track their capacity override requests. Also, COM should allow the Coordinator to enter the override decision (either reject the request, increase the capacity of a section or create a new section). The system should notify the student once a decision is made. In assignment 1 you are required to design and produce the html pages for COM User Interface (UI). CSS should be used for consistently styling the pages.

You will focus on the following use cases:

* ***Login*** to authenticate users.

**Student Use cases:**

* ***Add a Capacity Override Request***: to allow the student to submit a request by specifying the desired Course section and a comment (example comment could be ‘Sections with available seats conflicts with my schedule’). First, the student specifies the desired course code either by directly entering the course code (e.g., CMPS356) or by first selecting a Program (e.g., CS) then the desired course from a courses list. After the course is selected, the system should display the available sections, their current capacity, the actual number of registered students and the available seats. The student can only request a capacity override for a section that has no available seats.
* ***Get Capacity******Override Requests***: the student can get either his/her completed or pending override requests and see their current status. The students can switch between the two views (either pending, completed or all).
* ***Cancel a Capacity Override Request***: the student can cancel a pending capacity override request. The system should prompt for a delete confirmation before executing the delete.

**Coordinator Use cases:**

* ***Enter Capacity******Override decisions***: the coordinator can get pending override requests for all students. From this list the coordinator can enter the override decision and an optional comment. The system should notify the students upon submitting the override decisions.
* ***Get Capacity******Override decisions****:*the coordinator can also get the completed override requests to view the decisions made.

Upon a successful login, by default for a student COM homepage should display his/her list of pending override requests and it should allow the student to add a request. Also the student can request getting his/her completed requests.

For the Coordinator, COM homepage should display the list of pending override requests and it should allow the coordinator to enter the override decisions. Also the coordinator can request getting the completed requests.

COM web pages should use HTML 5 and CCS. The pages should be connected and have ***dummy data*** and behave like a complete application (without server side processing). The pages should comply with Web user interface design best practices. Also remember that ‘*there is elegance in simplicity’*.

## Grading rubric

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Criteria | | % | Quality of the implementation\* | Score |
| * Home page, menu and navigation between pages | | 8 |  |  |
| * Login | | 8 |  |  |
| Student Use cases | * Add a Capacity Override Request | 28 |  |  |
| * Get Capacity Override Requests | 12 |  |  |
| * Cancel a Capacity Override Request | 6 |  |  |
| Coordinator Use cases | * Enter Capacity Override decisions | 20 |  |  |
| * Get Students Capacity Override decisions | 10 |  |  |
| Testing Word documentation with evidence of running implementation using snapshots illustrating the results of testing. | | 8 |  |  |
| Total | | 100 |  |  |
| Copying and/or plagiarism or not being able to explain or answer questions about the implementation | | -100 |  |  |

*(\*see the provided detailed rubric that will be used to evaluate the quality of your website and your webpages)*

Detailed rubric that will be used to evaluate the quality of your website and your webpages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Criteria | Exceeds Expectations (1) | Meets Expectations (0.8) | Needs Improvement (0.6) | Unacceptable (0.5 to 0) |
| Navigation | Navigation buttons/links easy to locate and follow. Logical and intuitive sequence | Navigation buttons/links somewhat confusing to use or locate. Logical sequence. | Buttons/links confusing to use or locate. Confusing sequence. | Buttons/links missing from page. No sequence. |
| Principles of Design | All principles applied consistently throughout web site. | Principles of design applied in most, but not all of the web site. | Limited application of design principles. | Use of design principles not evident. |
| Professional Look  and Feel | The Web site has an exceptionally attractive, eye-catching and usable layout. It is easy to locate all important elements. White space, graphic elements and/or alignment are used effectively to organize material. | The Web pages have an attractive and usable layout. It is easy to locate all important elements. | The Web pages have a usable layout, but may appear busy or boring. It is easy to locate most of the important elements. | Novice: Design and development effort is inconsistent. The Web pages are cluttered looking or confusing. It is often difficult to locate important elements. Design is dull and has sloppy appearance. |
| Use of Cascading  Style Sheets | Evidence of advanced use of styles sheet design. CSS utilized throughout web site. | Good use of CSS utilized in most of the web site. | Minimal use of CSS. | No evidence of CSS. |
| Quality of the  implementation | Clean HTML and CSS using appropriate features. | Bit complex HTML and CSS and few inappropriate features used. | Unnecessary complex HTML and CSS and some inappropriate features used. | Too complex HTML and CSS. Many inappropriate features used. |
| Spelling and  Grammar | There are no errors in spelling, punctuation or grammar. | There are 1-3 errors in spelling, punctuation or grammar. | There are 4-5 errors in spelling, punctuation or grammar. | There are more than 5 errors in spelling, punctuation or grammar. |

## Ground Rules

1. All assignments must be your own original work, not based on the work of other students, online examples/tutorials, or any other material from any other source.
2. Any assignments found to be based on work other than your own will automatically be given a grade of zero, and may lead to further disciplinary action as per QU policy.
3. All assignments must be submitted electronically to GitHub. You should push your work to GitHub as you make progress.
4. Late submission policy: ZERO.