

Course Number and Title: I&C SCI X460.11 – Java Programming II

Overview

There are four components to your final team project: coding, an online portfolio, a Jing screen cast, and a peer review. You will be evaluated on active participation and coding on your team's project, creating your online portfolio that can be shared with potential employers, creation of a Jing Screen Cast, and conducting a peer review of another team's project.

Evaluation

Grading Criteria (Rubric)

Contribution to source code via the GitHub code repository	70%
Online portfolio via GitHub Pages	10%
Jing Screen Cast describing your team's source code and output	10%
Peer review of another team's final project	10%

Assignment Due Dates

Contribution to source code via the GitHub code repository	Wednesday by 11:00 PM EST
Online portfolio via GitHub Pages	Wednesday by 11:00 PM EST
Jing Screen Cast describing your team's source code and output	Wednesday by 11:00 PM EST
Peer review of another team's final project	Sunday by 11:00 PM EST

Component 1: Bug Tracker Program

Your team assignment is to write a web application used to track application defects (i.e. bugs). You can imagine that your system will be used to track defects and enhancements against an application that is already in production. It is merely a communication tool used by staff to track bug requests from submission to closure against an application. The data for your bug tracker should be stored in a database.

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System Requirements

At a minimum, your bug tracker should contain four screens:

- A screen that allows for the submitting of a new ticket,
- A confirmation screen that is displayed upon the successful submission of a ticket,
- A screen that shows a list of open tickets against an existing application, and
- A screen that shows the details of a single ticket.

The system should provide several features:

- The ability to submit a defect against an application, which includes a status, priority, assignee, summary, and detailed description,
- The ability to update an existing defect,
- The ability to assign a defect request to a person,
- The ability to email status information to a user, and
- The ability to view a list of all open defects.

The system should be available via the Internet with a user-friendly interface.

There are several business rules:

- An application must exist before a defect can be submitted against it.
- Each defect submitted must have a unique identifier.
- A ticket cannot be submitted against a closed application.

Component 2: Online Portfolio

Students build a portfolio of projects to show them off to potential employers. Who needs a resume when you can show what you've built? A sample portfolio has been created for each team's project and can be accessed and modified via the GitHub repository's "Settings" tab.

Component 3: Jing Screen Cast & Zip File Upload

For this submission, students should upload source code in .zip format via the assignment upload link and add the Jing Screen Cast as a comment. The GitHub repositories are private to each team; therefore, uploading as a .zip facilitates access by a non-team member.

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Component 4: Peer Review

A peer review assignment enables students to provide feedback on another student's assignment submission. Peer reviews are a tool that allows communication between students and can help students master the concepts of a course and learn from each other.

When a peer review has been assigned, students can view a notification in their Dashboard To Do sidebar or Activity Stream. Students will also receive an email notification.

Specifically, for the review, you will act as a tester and test your assigned application to see how it matches up against the requirements found in this document. You will be looking to determine if there are 1.) any missing requirements or 2.) any bugs/defects with the application as coded. After downloading, reviewing, and testing the code, in order to complete a peer review, students must review the assignment and leave a comment on the submission details page. Students must also complete the rubric to complete the peer review.

The peer review is used for an assessment opinion only; the instructor will later review the discussion and assign the final grade.