Homework 7: OOAD Spring 2024 Semester Project Interim Report

(70 Points)

This interim submission must include a video recording demonstrating the current state of your code or project. **Expect to deliver at least 50% of the functionality of your code here!**

Deliverables

Your deliverable for Project 7 is a GitHub link with the project code so far. You must include:

- a PDF document in your repo – clearly labeled "Project 7 Update.pdf" that contains:
  - * a Status Summary
  - * UML Class Diagram
  - * Plan for completion
- a video recording of the state of the application

Status Summary (10 points):

Include the following in your PDF document:

- Project Title
- Names of all team members
- Work Done: Written description of the work done up to this week of your project and (in the case of multi-person teams) the breakdown of work across team members.
- Changes or Issues Encountered
- Patterns: Now that you have more of your system implemented, please describe the use of design patterns so far in your prototype and how they are helping you or your design.
- Test coverage report showing coverage on at least 80% of the methods

Class Diagram (15 points)

A UML class diagram that shows all the classes and their relationships. Note which classes have been implemented and which are still need to be created. Pattern use should be highlighted in this diagram.

BDD Scenarios (10 points)

You must include at least one scenario for each major function in your application. You do not need to cover all variations of these functions. Just one variation is sufficient. This will force your team to agree on exactly what you are building and have one specific scenario to work towards implementing.

You DO NOT need to implement any step definitions for these scenarios. Meaning, they don't have to be executable tests. Implementing the step definitions and running the tests will be extra credit in the final submission.

Plan for Next Iteration (5 points)

Provide an estimate of how much work still needs to be done. What are your plans for the final iteration to get to the project delivery?

Recorded Demonstration (20 points)

The recorded video should be brief, 5 to 10 minutes; all team members should participate. Include the recording in your repo or provide an external link for viewing. Sections for the recording:

- Introduce all team members.
- Demonstrate your progress so far, showing the existing functionality.
- Identify the technologies and patterns used.
- Show some of your tests and at least two BDD scenarios.

Grading Rubric:

The point breakdown for Homework 7 is as follows:

Section	Points
Video Recording	20
Status Summary	10
Class Diagram	15
BDD Tests	10
Plan for next Iteration	5
Repository Submission with current code (includes required unit tests)	10

Total	70

Github Guidelines

Since this homework is a team assignment, only one repository submission is required per team. Hence, please do the following:

- Only one team member submits the repository link in Canvas.

Please do not make the repositories public since this violates the Honor Code. You will have to give access to this repository to all members of the CSCI 4448/5448 Team. Their GitHub handles are:

Shashankit Thakur	shashankit-thakur
Sudarshan Sridhar	SudarshanSridhar
Bhoomika, Prasad	bhpr6170
Puneeth Gante Hanumappa	puneeth04gh
Jinpeng Miao	JinpengMiao
Bill Wright	BillWrightCUProf

Overall Project Guidelines

Assignments will be accepted late for two days with a penalty of 10% for each day. After two days, assignments will be given a 0 and will not be graded.

Use office hours, e-mail, or Piazza to reach the class staff regarding homework/project questions or if you have issues completing the assignment.