Project 5: Semester Project – First Development Pass, Interim Report

Introduction

Project 5 is the second of three parts for your Semester Project. The plan right now is as follows:

- Project 4 – the Project Design deliverables – will be due on Wed 11/4 – worth 100 points
  - The design deliverables
- Project 5 – the first Semester Project Sprint is due Wed 11/18 – worth 75 points
  - This will be an interim report on where the project stands after your first two weeks of code development, detailed below.
- Project 6 – the second/final Semester Project Sprint is due Fri 12/4 – worth 100 points
  - This is the final delivery with a recorded demonstration. More details soon.

Project 5 Deliverables

Your deliverable for Project 5 is a combination of a demonstration to class staff and a single PDF document that contains the Status Summary, Class Diagram, and Plan listed below:

Status Summary (20 points)

Include these sections in your status update:

- Please include the names of all team members and the title of the project in the PDF!
- Work Done: Written description of the work done in the first two weeks of your project and (in the case of multi-person teams) the breakdown of work across team members.
- Changes or Issues Encountered: Has anything changed so far in your approach to the project from the initial design in Project 4?
- Patterns: Now that you have more of your system implemented please describe if you have been able to incorporate the use of design patterns into your prototype. If so, describe the patterns you have incorporated into your design and how they are helping you or your design.

Class Diagram (20 points)

A class diagram that shows the classes that have been implemented so far and their relationships to one another. (In other words, this diagram may not show the complete system you designed in Project 4 but rather the classes your team implemented during the past two weeks.) This can be an annotated version of your Project 4 UML Class Diagram.

Plan for next iteration (10 points)

Provide an estimate of how much more work needs to be done for your team to have implemented the design that you presented in Project 4 (with any design changes that may have occurred). What are your plans for the final iteration to get to the Project 6 delivery? What do you plan to have done by 12/4 when the project is due?

Demonstration (25 points)

This will be approximately a 10- to 15-minute demonstration to one of the class staff to show where your team is with your development. We may ask to look at your code, and you should be able to share what your team has actually implemented in the last two weeks, and you should also demonstrate any elements of the project that are running at that point. We may also ask questions about how you are

designing and implementing your project, and about what remains to be completed. Your submitted PDF with the status summary, class diagram, and plan for the next iteration should be available for class staff to reference during this demonstration.

This is intended to be a checkpoint for the semester project to make sure progress is being made. You should plan to have approximately half of your semester project work done and sharable at this demonstration.

Demonstrations will be performed over Zoom, and a sign-up sheet will be provided for you to pick a slot with a class staff person so your team can attend and share your work. Ideally, we'd like all team members to be present for the demonstration, but if someone cannot make the scheduled slot, there is no penalty as long as some part of the team attends and reviews the work with class staff.

Grading Rubric
The point breakdown of this assignment is as follows:

Section	Points	Comments
Demonstration	25	Review of code and any functional elements with class staff
Status Summary	20	Names, title, work done, changes or issues, patterns use
Class Diagram	20	Classes implemented to date
Plan for Next Iteration	10	What will you need to do to finish?
Total	**75**	

- There are no bonus points for Project 5 (there will be for Project 6)
- Note that you are not submitting project code for review until Project 6
- For the UML Diagrams, you can use a scan of a paper or whiteboard diagram, or use your favorite UML tools, such as Draw.IO. If done on paper/pencil or whiteboard, please be sure the diagrams are readable and clear.
- Single PDF from your team is Due Wednesday 11/18 at 12 Noon on Canvas.
- Please contact the class staff EARLY in the cycle for questions, clarifications, or variations for your project.
- Class staff are happy to review your design or code to discuss issues you're running into now! Don't wait until it's too late!
- Assignments will be accepted late as follows. There is no late penalty within 4 hours of the due date/time. In the next 44 hours, the penalty for a late submission is 5%. In the next 48 hours, the late penalty increases to 15% of the grade. After that point, assignments will not be accepted for grading.