Project 6: Semester Project – Final submission

Introduction

Project 6 is the third of three parts for your Semester Project. The plan right now is as follows:

- Project 4 – the Project Design deliverables – will be due on Friday 11/1 – worth 125 points
    - The design deliverables
- Project 5 – the first Semester Project Sprint is due Friday 11/15 – worth 50 points
    - The interim report on where the project stands after the first two weeks of code development
- Project 6 – the second/final Semester Project Sprint is due Monday 12/9 – worth 125 points
    - This is the final delivery with in-class (or otherwise scheduled) demonstrations
    - Detailed below

Project 6 Deliverables

Your deliverables for Project 6 are listed below:

Final Report – PDF

- Name of project and names of all team members

- Final State of System Statement

    - Document the final state of your system, what features were implemented, what features were not and why

- Final Class Diagram and Comparison Statement

    - A thorough UML class diagram with your final set of classes and key relationships of the system

    - Highlight and document in that diagram any patterns that were included (in whole or part) in your design

    - Include the class diagram submitted in Project 4, and use it (and optionally the class diagram from Project 5), to show what changed in your system up to the final submission

    - Support these diagrams with a written statement identifying key changes in your system since your design was submitted in Projects 4 and 5

- Third-Party code vs. Original code Statement

    - A clear statement of what code in the project is original vs. what code you used from other sources – whether tools, frameworks, tutorials, or examples – this must be present even if you used NO third-party code - include the sources (URLs) for your third-party elements

- Statement on the OOAD process for your overall Semester Project

    - List three key design process elements or issues (positive or negative) that your team experienced in analysis and design of the OO semester project

Code Submission – GitHub Repository URL with Complete Semester Project System

- Code should be well structured and documented with appropriate comments.

- Uses of OO Patterns or other design principles should be noted in the code.

- No work should be done on the project repo after it is submitted.

- Include a README Markdown file with the names of team members and any special instructions to run the code (graders may request assistance from you during code review)

Demonstration – In person demonstration of the final system to Manjunath or Dr. Montgomery – approx. 15 minutes

- You should be prepared to list and demonstrate your system's primary functions

- You will be asked

    - Which team members were responsible for which project elements

    - What technologies, languages, or tools are in use

    - To reflect on anything that was particularly difficult or anything you would have done differently

- You will be assessed during the demo on the quality of the project delivery and on your demonstrated understanding of your project

- Demonstration plans/signup slots will be finalized and published in class

- Remote students with no team members on campus should contact Dr. Montgomery for other arrangements.

Grading Rubric

Your team's project will be due on Monday 12/9 at 10 AM. **THERE WILL BE NO EXTENTIONS GIVEN** due to the demonstration and grading schedules. If you submit after 12/9 at 10 AM, you will get the 15% late penalty. Do NOT be late. the project will not be accepted after Thursday 12/12 at 10 AM.

The point breakdown of this assignment is as follows:

Section	Points	Comments
Final Report PDF	50	Title, Names, Four Statements with UML Class Diagrams
Code Submission	50	Repo with Code and README
Demonstration	25	With Manjunath or Bruce at scheduled time, possible extra credit awards (5, 10, 20 points)
Total	125	

- Manjunath and I will each have 5 extra credit awards which we will optionally make to best in class submissions – they may be awarded for outstanding effort or execution of the project – each of us will have 2 5-point, 2 10-point, and 1 20-point awards to make based on the results of demonstrations. Those awards will be announced after grading and demonstrations complete.
- 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.
- Your submission should be a link to your project GitHub repo, the final report PDF should be in the repo, clearly labeled.
- 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!
- Late submissions for this project suffer a 15% penalty in grade, the project will not be accepted after Thursday 12/12.