Homework 4
| **11/18/2022**

100 Possible Points

⌄ **Details**

Overview

You have been assigned one system design produced by other project teams and in this assignment you will critically analyze it. You goal is to provide a thorough assessment of the design's strengths and weaknesses, and to provide as much constructive advice about improving it as possible.

Assignment

Your Assigned Design

You have been assigned one of the other group project designs developed in the class. Go to the **Project 1** assignment and scroll down to where the information about your uploaded submission would normally appear. Now, you should need a new section there labeled "**Assigned Peer Reviews**" (available Thursday, November 3) with links to the submission by another student representing their Project 1 submission. To view their submission, look up the URL link provided in their project thread on Piazza to go directly to the published version of their project work. While conducting your review, feel free to ask questions of the project team on Piazza.

Note that these peer reviews are not anonymous, since you need to be able to locate and access the published version of the project materials on Piazza. Peer review assignments will only use one student's name in the assignment link, but it is a review for another project team rather than an individual.

Read the **Canvas instructions for completing a peer review** ⤷ **(https://guides.instructure.com/m/4212/l/54363-how-do-i-submit-a-peer-review-to-an-assignment)** . Note: you must answer all your rubric entries for one project review in one sitting, so take notes on all of the issues below as your read a project. That way, you'll be able to enter all your answers at once.

Pay particular attention to the section named **Complete Peer Review with Rubric**, since a rubric has been provided for you to complete. The rubric includes prompts for you to enter your comments on the following evaluation criteria. Enter your comments. If a rubric item has "points" associated with it, you should *not* interpret those as a "grade"--instead, the rubric has spaces for you to enter ratings on a 1-5 scale, where 1 represents poor performance and 5 represents excellent performance. These spaces are labeled as "points", but interpret them as your **ratings**. Rubric items that are marked for 0 points do not include a rating.

Evaluate the Project's Requirements Summary

Identify the strengths of the requirements provided, and enter them in the corresponding rubric item. Critique the stated requirements for the project in terms of clarity, completeness, and verifiability. If any ambiguity is located,

Enter your comments on each of these facets of the evaluation in the corresponding rubric items, along with a 1-5 rating.

Evaluate the High-Level Design

Identify the strongest areas of the design and briefly describe them (there is no need to restate or summarize large amounts of material from the project design or rationale) in the corresponding rubric item. Critique the given high-level design in terms of clarity, conceptual cohesiveness, and traceability. Identify any aspects of the design that may be "brittle" or that may resist foreseeable changes or enhancements to the product. Enter comments and 1-5 ratings in the corresponding rubric items.

Evaluate the Design Rationale

Critique the design rationale, paying particular attention to the rationale for key design decisions. Are there any functional enhancements you envision as likely that are not discussed? Are sound reasons given for the major choices embodied in the design? Were any significant design choices made without a documented rationale? Enter comments and ratings in the corresponding rubric items.

Suggest Improvements

If you identified any major or minor weaknesses, suggest possible ways the design might be improved or the rationale strengthened. Be specific with your suggestions, and be thorough in explaining the reasons behind them. Assume that your role is to provide constructive advice to the development team on how to improve their work in progress.

Summarize Your Analysis

Conclude your analysis with a summary of its most important points. Were the requirements strong overall, or were there fatal flaws? Were there notable weaknesses in the design? Can they be remedied? Or was the design solid?

Assessment

In grading your peer review (completed via Canvas' peer review rubric for Project 1), the following point breakdown will be used:

Evaluation of Requirements	25
Evaluation of Design	25
Evaluation of Rationale	25
Suggested Improvements	15
Writing/Presentation	10
Total	**100**

Submission

Be careful in writing up your assignment, as on other written work in this course. You will enter your evaluation using Canvas' peer review feature, by completing the rubric provided. Yes, the rubric form may be a bit cumbersome when writing up individual comments. Feel free to compose comments in a separate text editor and copy/paste into the

˅ **View Rubric**

Peer Review Rubric						
Criteria	**Ratings**					**Pts**
Evaluation of Requirements	**25 pts** **Excellent**	**20 pts** **Good**	**15 pts** **Satisfactory**	**10 pts** **Poor**	**0 pts** **No Attempt**	/ 25 pts
Evaluation of Design	**25 pts** **Excellent**	**20 pts** **Good**	**15 pts** **Satisfactory**	**10 pts** **Poor**	**0 pts** **No Attempt**	/ 25 pts
Evaluation of Rationale	**25 pts** **Excellent**	**20 pts** **Good**	**15 pts** **Satisfactory**	**10 pts** **Poor**	**0 pts** **No Attempt**	/ 25 pts
Suggested Improvements	**15 pts** **Excellent**	**12 pts** **Good**	**9 pts** **Satisfaction**	**6 pts** **Poor**	**0 pts** **No Attempt**	/ 15 pts
Writing/Presentation	**10 pts** **Excellent**	**8 pts** **Good**	**6 pts** **Satisfactory**	**3 pts** **Poor**	**0 pts** **No Marks**	/ 10 pts
						Total Points: 0