Homework 2

| 9/30/2022

| Attempt 1 ⌄ | ◯ **IN PROGRESS**
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100 Possible Points

Unlimited Attempts Allowed

⌄ **Details**
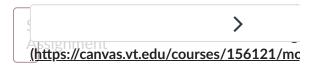
Getting Started on Project 1 Assignment

Unlike Homework 1, this assignment is really the first step in completing **Project 1 (https://canvas.vt.edu/courses/156121/assignments/1540802)** . The whole purpose of this assignment is to get everyone on track in identifying their partners, and identifying the system they will use as the subject for Project 1.

So first, find your partners. You can use the special "Search for Teammates!" thread on Piazza to find others in class who are looking for a partner, or to post your own request. Everyone in class will work with two partners on both projects. Unless a team melts down for some reason, you'll have the same partners for both projects in this course, since the projects are related to each other.

Second, read the **Project 1 (https://canvas.vt.edu/courses/156121/assignments/1540802)** assignment. Brainstorm with your partners possible systems you might choose as the subject for Project 1. Remember that you are only designing, not implementing. Also, remember that you want a system that is not too large/complicated that it is too challenging for you to use for a class design project. At the same time, don't choose a system that is so simple/trivial that it has no interesting architectural choices to make.

Write up your choices in a *short 1-page paper* that you will turn in. Specify the list of partners working together, the name of the system you have chosen, and a brief overview (2-3 paragraphs) of what the system is, where it came from, and what features it has that make you think it is the right choice for your Project 1 assignment. Finally, close with a brief description of where this system came from (i.e., if it is already something you are doing for work, or if it comes from a documented case study in one of the readings, or if it is something completely new that you want to work on, etc.), including a statement about how complete the system is (for example, if it is something you are also doing for your job, how

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| **(https://canvas.vt.edu/courses/156121/modules/items/2003707)** | ~~Assignment~~
(https://canvas.vt.edu/courses/156121/mc |

goal is to exercise your own skills in making design decisions and justifying why they are the best choice, rather than simply documenting what others have already done.

Assessment

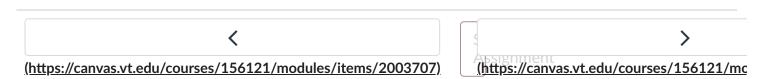The following rubric will be used to assess your work:

Criteria	Points
Partner Selection	**30 points**
Excellent: Explicitly lists all partners who have agreed to work together.	30/30
Missing: Partners are not identified, or incorrect number of partners listed.	0/30
Project summary	**70 points**
Excellent: Provides a concise explanation of the software system that will be your team's subject for Project 1. Describes the origin of the idea, how much of the system has already been completed, how much of the design has already been decided on by others, and why the system is one where architectural choices matter.	70/70
Good: Provides a concise explanation of the software system that will be your team's subject for Project 1, but only describes three of the four aspects listed under "Excellent" above.	60/70
Satisfactory: Provides a concise explanation of the software system, but omits two or more of the aspects listed under "Excellent" above.	50/70
No attempt: Does not provide a meaningful description of the software system targeted.	0/70
Total	**100 points**

Submission

Be careful in writing up your assignment. Since your submission will be a written paper, clear communication and good use of English are very important; part of your grade will be based on the effectiveness of your presentation.

Please prepare your assignment using MS Word or LaTeX, and print to a PDF file. Name your file `H2-yourPID.pdf` and upload it here. **Please have all partners in your group submit the same writeup** (you will all receive the same grade on this assignment).
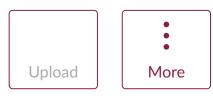
∨ **View Rubric**

Homework 2 Evaluation

Criteria	Ratings				Pts

Partner Selection [view longer description]	30 pts Excellent		0 pts Missing		/ 30 pts
Project Summary [view longer description]	70 pts Excellent	60 pts Good	50 pts Satisfactory	0 pts No Attempt	/ 70 pts

Total Points: 0

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or

◄ **(https://canvas.vt.edu/courses/156121/modules/items/2003707)**

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