

Project Milestone

As a Boilermaker pursuing academic excellence, we pledge to be honest and true in all that we do. Accountable together – We are Purdue.

(On group submissions, have each team member type their name).

Type or sign your names: Julianne Laccarino, Glen Cheng, Aidan Poor, Matthew Li

Write today's date: 09/05/2024

Assignment Background

A weekly project update is a normal component of many engineering teams. Such an update has many uses.

- **Project health**

- It helps *your team* and *your manager* understand what the team has accomplished and whether you are on track.
- It helps project managers see how things are going, re-prioritize the team's activities, and assign more personnel to shore up difficult areas.

- **Benefiting other projects**

- It informs other teammates or other teams about your areas of expertise ("Ah, Zhongwei just implemented the crypto module on project X and perhaps we can consult him on Project Y"), so they know whom to ask when they need help.

- **Personal gain**
 - It gives you a "paper" record of your accomplishments, to help justify your request for a raise or a bonus at the end of the quarter. For example, it can help you track accomplishments that might not be captured by product-centric metrics (it is easy to measure "lines of code committed", but hard to measure "helped onboard the new intern").

This assignment does not imitate every aspect of such an update, but hopefully it gives you the flavour of the activity. Through the milestone assignments for this course, you have an opportunity to *report* and *reflect* on your team's progress to date.

Assignment Goal

Communicate, relative to your stated goal for this milestone:

1. What has your team done?
2. To what extent did you reach the milestone goal?
3. If you are behind or ahead, how will this affect the next milestone?
4. Is your team having non-technical issues?

Relevant Course Outcomes

A student who successfully completes this assignment will have demonstrated the ability

to • Outcome i:

- Identify and follow an appropriate software engineering process for this context.

• Outcome ii:

- (The progress being described in this report should eventually cover all aspects of this outcome)

• Outcome iii:

- Experience social aspects of software engineering (communication, teamwork).

Resources

- **Status reports**
 - [Advice from Asana](#)
 - [Advice from Indeed](#)
- **Postmortems**
 - [Postmortems at Google](#)
 - [Postmortems at Amazon](#)

Assignment

In your project plan (Milestone 1), you submitted a design as well as a list of weekly milestones. In each intermediate milestone report, you will present:

1. A statement of the tasks your team accomplished by this date.
 - a. How did you measure that they are accomplished?
 - b. Who did the work? How long did they spend?
2. A comparison of what you accomplished vs. what you planned to accomplish. Are you on track? How were your time estimates?
3. Any changes in your planned timeline as a result of falling behind your initial plan.
4. “Major” updates to your design (I leave this definition to your engineering judgment).

Communicate this information with a mix of prose, tables, charts, etc.

If you have working functionality that will add value to your customer, feel free to include a screenshot of a demo. This will build trust with the customer and gives them the opportunity to propose tweaks (“requirements changes”).

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Tasks completed during this milestone

Task	Initially part of plan?	Owner(s)	Estimated time (hours)	Actual time spent (hours)	Is it done? (Explain the definition of “done” for this task and whether you achieved it – e.g. if this is code, are there tests? Is the code reviewed? Is the code merged?)
“Implement X” or “Develop test plan” or ...	Yes/no	e.g. “Ayush” or “Zhongwei and Susanna”	e.g. 10 hours	e.g. 15 (single owner) or “10 (Zhongwei), 5 (Susanna)”	Done meant: XXX We actually did: YYY. This task IS or IS NOT complete.
Develop Phase 1 Project Plan	Yes	Everyone	5	5	Done meant: Completed the entire document and required information by Prof Davis We actually did: Completed the entire document while reviewing and discussing team approach and getting to know the team’s schedule and respect each other’s plans This task IS complete
Complete Reading Quiz 1	Yes	Everyone	0.5	1	Done meant: Completed all assigned readings and answered all quiz questions. We actually did: We read all assigned readings and completed all quiz questions.

					This task IS complete
Complete HW1 - GitHub Tutorials	Yes	Everyone	2	2	Done meant: research git and submit document to Gradescope We actually did: research git and submit document to Gradescope This task IS complete
Learn TypeScript Basics	Yes	Everyone	2	2	Done meant: finish tutorial on exercism.io We actually did: finish tutorial on exercism.io This task IS complete
Set up development environment	Yes	Everyone	0.5	1	Done meant: Each group member has the GitHub repository on their local machine and can compile and run the files We actually did: Each group member forked the main repository and can run scripts in their local repository This task IS complete
Install TypeScript and compile and run simple program	Yes	Everyone	0.5	1	Done meant: Created and ran Hello World program in TypeScript We actually did: Created and ran Hello World program in TypeScript This task IS complete

Complete Reading Quiz 2	Yes	Everyone	0.5	0.5	<p>Done meant: submitted quiz in Gradescope</p> <p>We actually did: submitted quiz in Gradescope</p> <p>This task IS complete</p>
Complete HW2 - LLMs in SE	Yes	Everyone	2	3	<p>Done meant: Completed all tasks, including prompt engineering, design patterns for concurrency, operationalizing customer requirements, and using code-completion AI.</p> <p>We actually did: We completed all tasks and discussed the pros and cons of both prompt-based and code-completion Gen AI.</p> <p>This task IS complete</p>
Complete Reading Quiz 3	Yes	Everyone	0.5	0	<p>Done meant: submitted quiz in Gradescope</p> <p>We actually did: nothing yet</p> <p>This task IS NOT complete</p>
Complete HW3 - Requirements Engineering	Yes	Everyone	2	0	<p>Done meant: submitted HW in Gradescope</p> <p>We actually did: nothing yet</p> <p>This task IS NOT complete</p>

Are you on track?

Yes, we are on track. As can be seen in the table above, everything that we can do has been completed; we are just waiting for next week's assignments to be released. There is no more work to be done as of current.

Has your design changed substantially?

Our design has not changed substantially, as we have not encountered issues that warrant a substantial change.

Is your team having non-technical issues?

No. We are all dedicated to our team's success.

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