Project Milestone Template

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: Katie Roberts, Ashwin Senthilkumar, Parker Bushey

Write today's date: 11/22/2021

Assignment Goal

A weekly project update is a normal component of many engineering teams. Such an update has many uses. It helps you understand what you've actually accomplished and whether you are on track.

- 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. It helps 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").
- It informs other teammates or other teams about your areas of expertise, so they know whom to ask when they need help.
- It helps project managers see how things are going, re-prioritize the team's activities, and assign more personnel to shore up difficult areas.

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.

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

Resources

Some elements of these resources may be helpful:

- **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 this intermediate milestone report, you will indicate changes to the design, and provide a progress update relative to your planned timeline.

You can communicate this information using tables, charts, and prose. I have provided template tables you can use.

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

Design changes

Describe any substantial modifications or refinements made to your design. Make sure you explain why you made any substantial changes.

For examples:

- Did you change or add components or dependencies (Why did you make this change? How did you decide they were trustworthy?)
- Did you change the flow of data through your system? What is the new dataflow diagram? (Why did you make this change? How might this affect e.g. correctness or performance?)
- Did you revise your test plan?
- Did you address a security problem? (How did you find the security problem? Did it address confidentiality, integrity, or availability? How did you determine that the problem is now fixed?)

Teammate contributions

Fill out this table:

Team member	Task(s) worked on	Task(s) completed	Hours spent
Katie Roberts	API spec	none	10
Ashwin Senthilkumar	Ingesting/Updating	none	5
Parker Bushey	Security	none	5

Progress relative to plan

Fill out this table (you can add columns if you want):

Task targeted for this week (member and planned hours)	Hours for this task: Actual THIS WEEK	Is it complete? (If yes, how did you confirm?)	If incomplete: Estimated hours of remaining work

API spec/deployment (Katie 15 hours)	10	no	15
Version parsing (Katie: 10 hours)	0	no	10
HTML base (Katie: 20 hours)	N/A (previously complete, see Week 4)	yes, website can be deployed and interacted with	N/A
Paginated listing (Katie: 10 hours)	N/A (previously complete, see Week 4)	Yes, website can display many entries and separate them by pages	N/A
Package History (Katie: 10 hours)	0	no	10
Final ADA checks (Katie: 10 hours)	N/A (planned for later milestone)	no	10
Ingestion (Ashwin: 6 hours)	4	no	4
Updating (Ashwin: 15 hours)	5	no	1
Reset (Ashwin: 10 hours)	0	no	0
Logging/fuzzing (Ashwin: 20 hours)	N/A (planned for later milestone)	no	
Zipping/unzipping (Parker: 15 hours)	N/A (previously complete, see Week 3)	Yes, the class is able to accept an archive (zip or tar) and extract its files. It is also able to create an archive (zip) from the files.	N/A
Github Actions (Parker: 15 hours)	N/A (previously complete, see Week 5)	Yes, tests from each software tester successfully run on the software delegated to them at this time.	N/A
Security (Parker: 20 hours)	5	no	15

Are you on, ahead of, or behind schedule? If behind, what is your mitigation plan?

Katie: if problems with API spec and deployment can be resolved, I will be able to work on and test other functionalities during thanksgiving break. Even without the API, I can prepare the other functionalities for when I can deploy.

Ashwin: I am running behind schedule due to final round interviews before leaving home for break. I am spending Thanksgiving break going over my tasks and adding functionalities. I hope to complete updating and ingestion by the next milestone.

Parker: I am behind schedule currently. This week was largely the completion of research and learning to prepare for implementing the security requirements. Moving forward more time will be dedicated to implementing the security features early in the next milestone so any problems can be worked out.

Demo

Any functionality you'd like to demo, e.g. via a screenshot?

Grading

These assignments are worth relatively little in the overall Project grade (2.5% each).

This weighting reflects the relative *time* you should spend on the milestone report (don't spend hours on it!), but not the relative *importance* of the report. These documents are critical to help you understand whether you are on track to succeed.