

Team Number: 25

Team Name: Git Gremlins

GitHub Repo: <https://github.com/cse110-sp24-group25/warmup-exercise>

Youtube Video:

https://www.youtube.com/watch?v=R1be38-V8aE&ab_channel=ChristopherEdwards

SWOT Analysis

Task 1:

Strengths

- We were able to give everyone different tasks to do which we worked on individually before putting the pieces together as a group
- We communicated well through Slack
- We created small deadlines and stayed on track with them. We also had a clear timeline, for example we started with basic code and added basic functionality, then styled with CSS, then added extra features
- We created an outline and diagrams of our UI before we started coding which helped make the development process smoother
- Chris (team lead) did a good job organizing the groups

Weaknesses

- We had to come up with a lot of features as we went along
- We added most of the code comments at the end of the project, rather than while writing
- We did the documentation at the very end instead of as we went along
- Most of us were relatively new to JavaScript so we struggled a little with that

Opportunities

- We could have composed a more sufficient and detailed list of features before starting to code
- Next time, we will comment on the code as we go along
- We will update the documentation as we go and not at the very end

Threats

- There were some issues with version control and branches where some people were working on old code
- When trying to fix a bug, another snippet of code was accidentally modified and created a different bug, so going forward would need to be more careful with what we are modifying

Task 2:

Strengths

- Delegating tasks, everyone had a reasonable workload
- Independently working and being done on time
- Communication, using Github & Slack with bugs and other implementations
- Using Github actions worked well, using issues, branches, etc.

Weaknesses

- Experience with technologies stunted us
- There wasn't one idea/structure of project, we should have spent more time designing and agreeing on one idea

Opportunities

- Using better practices with CSS, responsiveness, edge cases
- Mobile use, sizing should be considered on smaller devices

Threats

- Sequential tasks; more communication with timeline
- Potential issues with version control; people editing older versions

Summary of our Learning

While completing this warm up exercise, we've learned more about task organization and allocation of time. The biggest issue that we faced was planning as the project progressed. We laid out basic foundations on the design decisions and direction we were planning, but never took the time to properly flesh out the details and make sure everyone understood the final design. For the future projects, we plan to focus more on that initial phase, and reorganize how we proceed through the project. Another display of this issue was with the comments. They were often added on later in the programming phase as an afterthought, making things more confusing to others when they needed to understand code others wrote. This caused others to have to come back and reread all the previous code leading to an unnecessary amount of wasted time. Finally, we learned how to better utilize the version control system as a team, making sure that everyone is working on the right versions of code and other member's code isn't changed without proper communication with them. Overall, we believe that we have improved as a team and apply the above insights moving forwards.