

GPM Jammers
Milestone 8
May 3, 2024
Cpt_S 322

The following is our submission for Milestone 8. This document contains our project summary, which contains a link to our group's video presentation and lessons learned and experiences of each group member throughout the course of the project.

Link to video presentation:

<https://youtu.be/91AAMMCFj5o>

Martin's Experiences/Lesson learned:

I had never worked in any sort of web dev before, so I had to learn the basics of HTML, CSS, and Javascript. Working in a prototype oriented language was much different than anything I'd worked with before, but I caught on quickly and many of javascripts odd features started making sense. I found myself relying on the planning and documentation we had made all semester, as I felt I wouldn't have been capable of taking an ad-hoc approach due to never working in this environment; so the modeling was invaluable.

Gil's Experiences/Lesson learned:

It had been a long time since I had used HTML before, and was in for quite the re-learning experience. I found that very quickly, HTML can be pretty fickle. A lot of the time was thus spent doing trial-and-error to find out what worked the best in terms of dividing the website into divs, classes and headers, (this gets faster with practice, of course). What was very helpful though, was our central design that we had created in the UI design phase. Had I created a design ad-hoc, it would not have had nearly the same level of usability and the final result would have ended up looking a lot worse.

Phoenix's Experiences/Lesson learned:

It is very important to do proper research into the technologies you plan to use on a project before starting that project and setting a deadline. Without this, some technologies might not be compatible, or might be outdated. For example, when we were playing on using direct AWS services for our databases, server, and file hosting, we realized that the service we wanted to use, API Gateway, wouldn't be able to run the Express server I had made, even though all the static files could still be held in an S3 bucket. This meant we had to switch last-minute to Heroku, a separate hosting service owned by AWS, to host and run the server, with AWS's DynamoDB still hosting the databases. This could have all been avoided with more research into how compatible Express servers were with API Gateway, and serves as an important lesson for future website development.

Jeremiah's Experiences/Lesson learned:

Time is an extremely crucial factor. Although I was confident coming into the project, thanks to my prior experience with web development, this felt like a completely different ball game. Having

to manage 4 group projects, my school work, and tournaments across the country meant less time to assist my teammates in certain areas I was particularly experienced in. One such instance was when Phoenix found that the API Gateway would not be compatible with the Express servers while I was in Boise for a rugby tournament. Typically, this wouldn't be an issue, but due to the lack of reception and internet during the return trip, I was unable to assist Phoenix with the task. As Phoenix previously mentioned, better planning could have avoided the problem, leading us to another important lesson, being the importance of planning.