

## **Self Assessment**

In my initial assessment, I noted down that the plan for this project was to utilize web dev, databases, cloud, and cybersecurity to create essentially a mock travel advisor website. For my portion, I helped a lot with the main web dev portion which involved html, css, and javascript. Additionally, in order to interact with the database we used a flask backend which also helped us make calls to the TripAdvisor API. So the development that I was a part of ticked off most of the initial expectations for the project. I got a good amount of experience working with Node.js and React.js and got some experience utilizing MySQL and databases. Web dev is something I've attempted in the past but never really had good motivation to learn beyond simple concepts. Working with react and flask helped me get a much better understanding of different languages since it's more along the lines of interpreted language whereas the majority of my proficiency is in C++ which is compiled. So learning about javascript states and working with web development front end and back end was a good experience.

In the end however, we didn't end up hosting this website on the cloud. With how the expo was designed and how our website currently functioned, we just decided to keep it all local aside from interacting with the TripAdvisor API. This helped to reduce the latency as the internet connection at the expo was not very strong so we believe it was the right choice at least for the presentation. We already had cloud initially low on the list of priorities since Jacob already worked with AWS enough to be able to explain it to us. But aside from cloud, I feel that I accomplished most of what I intended to with this project. The main obstacle was the learning portion. Since none of us had really worked with web dev, we were just about starting from zero. After some time, we were able to adjust to the intricacies but the code itself suffered in some areas since we didn't have the knowledge of best practices when writing everything at first.

## **Team Assessment**

As a group, we accomplished our initial idea of a travel advisor website. Personally, I don't think it was to the scale which we had hoped for, however that was mainly due to misjudging the time required for each step of the development process. Getting familiar enough with javascript took a while as well as manipulating css to get the UI to reach an acceptable point. So along with the rest of the project, it added up to take more time than we expected which caused the final product to not be as thoroughly developed as I

myself had initially developed. I wouldn't say I necessarily learned anything about group work, I've done similar work when I have been on co-ops so I was fairly aware of what the process would be like. I also know my group members so it made it easier to transition into the development process.

I think I was probably 2nd out of 3 with regards to effort put into the project. I would put Jacob first and Parth 3rd but that somewhat came from differences in our final product than what we intended. Jacob works in DevOps at his internship, so he was the quickest to pick up the concepts of web development and he did a lot of work on the javascript and flask as well as setting up the database to store users and other information. I helped a good portion with the website in its entirety. I added the review functionality and optimized the section of code that called the TripAdvisor API which in the end became an important part of the code. It initially was "single threaded" which caused a lot of latency when using the website so I made it parallel using python libraries which made the user experience much more bearable. Parth helped around the project, but his job was to focus on the security portion. But since we didn't host to the cloud, there wasn't much of a need for security or IT support so he ended up not doing as much work but he still did his portion of the project. Overall, I think we did a fairly decent job on the project as a team and I am satisfied with the outcome of it.