A screenshot of a cell phone

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Technical Report

Project Exam

Mustafa Ahmed

Word count

Summary: 250 | Main text: 777

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# 1. Summary

This project has been both learningful and no doubt tough. After a month and half of hard work, research and testing I believe I have now achieve my yet so far the best work.

During the summer of 2022, I used those month refining my skills in JavaScript but more importantly, shadowing my mentor at Vanguard UK and trying to understand how he looks at code and how he most efficiently builds it.

Three things I have spend most time on during this project is building the APIs through heroku and using MongoDB/Cloudinary for data/images. As I know these were not required and I could have used strapi instead. But I wanted to challenge myself and use the skills I have learned during summer in this project.

This report will talk about the three different stages I have gone through, and what was hard and what was easy within those stages. It will also showcase how I used the skills I learned during my summer and how it helped me build the apis I needed for the website.

Happy reading.

# 2. Body

## 2.1. Introduction

I divided this project into three stages, and I had it thoroughly planned thanks to my GANTT chart.

The first stage was to figure out the target audience, plan out the project and create the prototype.

The second stage of this project was to start the coding. I used a couple of different npm tools and mostly jsx and css. I spent as well time in buillding the admin page and creating the apis through heroku.

The third stage was to do the testing and ask friends and family to test out the platform and give feedback.

In the main section of this report I will go in more details around these three stages.

## 2.2. Main section of report

**First stage:** As a traveler myself I knew holidaze was the perfect project for me. My target audience are from 18-40, everyone within that looks for the perfect accomadation and to get the local prices and not as a foreginer.

Having that in mind, it was straightforward in terms of designing the website and putting together all the different aspects of what a traveler need. The initial plan was to include car rental, flights and blogs written by others. But, soon I had realized that this would take to much time from me.

As per date I work full-time as a IT consultant and on the right hand side im studying front-end programming and having this exam was a great experience overall, but a lot of challenges did occur.

**Second stage** of this project was to actual build the website of my prototype. In overall when it came down to the html, and css it was pretty straightforward. Again it took me great amount of time to build the javascript and introduce my newly absorbed skills in creating the apis through heroku and netlify. As I just learned it this summer, I used it on a smaller scale project, and it wasn’t as hard then. But using it for this project and trying to build up the different pages, was challenging.

Thankfully for each developer friend is the documentations of an application. So I leveraged the documentations provided by **Heroku** (creation of the API), **Cloudinary** (used to retrieve images) and **MongoDB** (used to store data in the form of arrays). Through these three platfrom I managed to create the connections towards the apis but also the content it self.

As I used tremendous amounts of time on this part, I couldn’t sadly add the three other pages of flights, blogs and car rental. However, as per the requiement of the assignment I managed to atleast create the accomadations.

I had also a lot of challenges in creating the code within the given space, and I had to recreate it on my local computer first and upload it multiple times to the workspace. I found this weird, but this seems to always happen to me. Still in search in figuring out why this occurs, but it might be something to do with the node\_modules.

**The third stage** of my project was to do the testing of the code, but also on top of it having regular user test the website and come back with feedback. These were very beneficial as the user saw things I did not realzie was relevant. For instance, during choosing an accomadtion how would one send the enquiry? Or when gone to the admin page, how would one return back to the home page?

After refining the website based on the feedback, with the little amount of time I had, I can say im proud with my end result, and it is yet to be the most sophisticated I have created so far.

## 2.3. Conclusion

As conclusion I have understood with each project comes learning and failures. I intend to keep pushing my boundaries and try out new ways of creating things for the front-end. This summer I spent my days on learning how to leverage Heroku, MongoDB and cloudinary. Moving forward by shadowing programmers in different industries im hoping to learn more from them and use that to be a better front-end developer.

As of today, during my studies I have learned tremendous. Today as an IT consultant im using my skills in html and CSS to build what my clients needs. In salesforce we use an programming language called APEX, and today I understand it much more due to its smililarities to javascript and php syntax.

I want to thank all of my professors who have helped me and posted new learnings everyday. I will take this forward in my work and be even better programmer in the future.

Thank you.

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