



# BAE NSAC Project

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PhD, MSc, Ordained.

# Approach

## Administration:

Jira, Github

## Set Up:

Git, MySQL, VSC, Spring

## Back end:

Testing

## Front end:

Testing

## Finalise project:

UML, .Jar, README.md





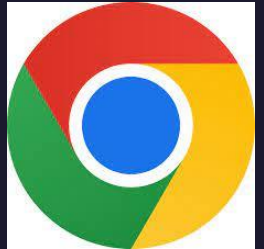


# Sprint Plan

Tab to Jira

- Planning the subject and overall objectives of the project and was done through Jira and the Kanban board.

# Journey



The way to get  
started is to quit  
talking and  
begin doing.

“Walt Disney”.





# Meet the Team



**Pete**

Front End, Moral.



**Pete**

Back end, MH



**Pete**

Admin and HR



**Anoush**

Technical Support

## **Version control – Github.**

Building the repository on Github means the whole team can work on parts of the project at the same time, without any problems.

**Fork – dev branch - feature branch – commit – push – merge.**

# Testing.

Once the initial queries have been coded, testing with Postman is advisory.

With your Entity done, integration test builds are the next priority

**Time for some Screenshots**

Postman

Build Test Entity

Integration Tests

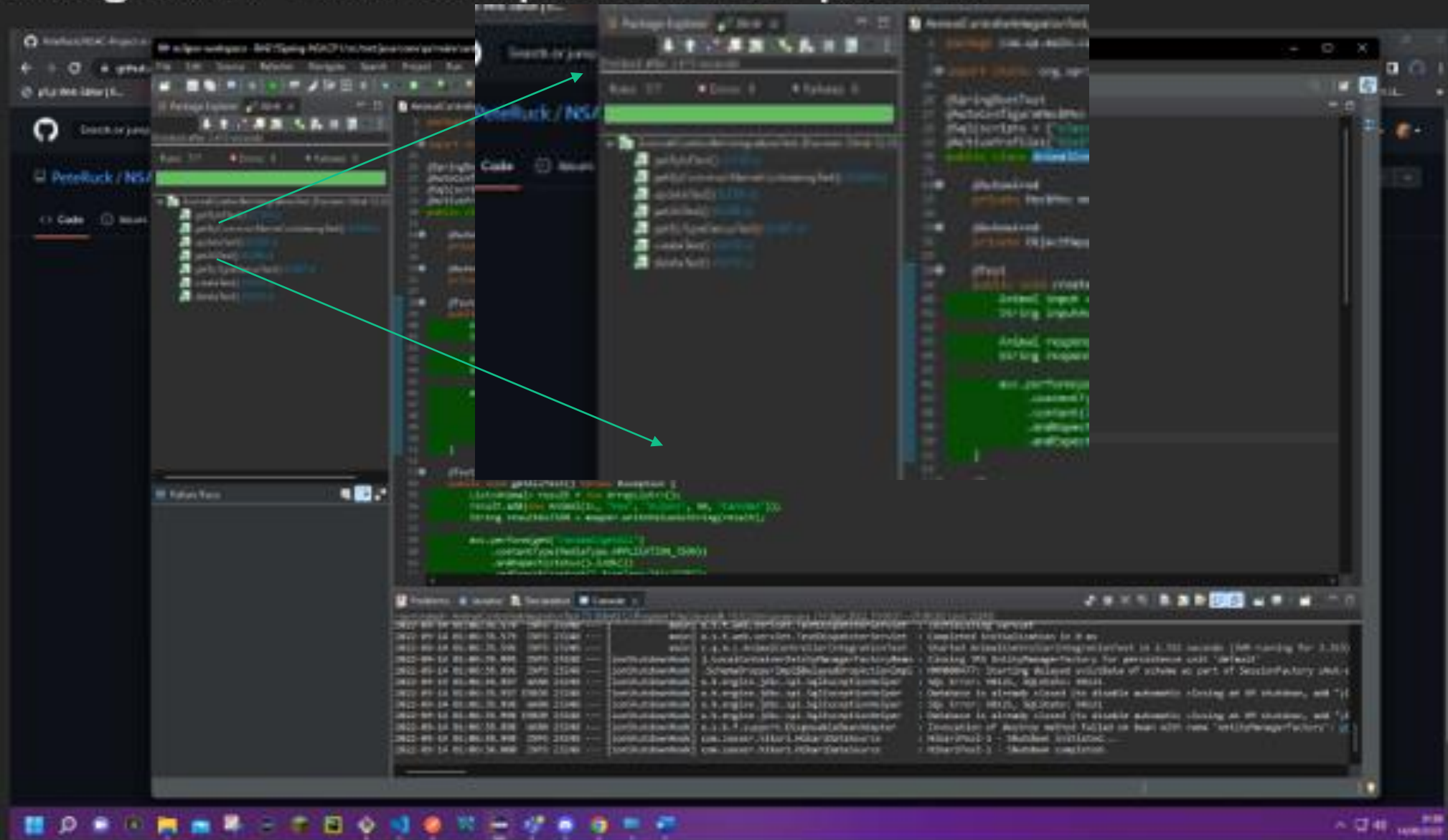
Unit Tests

Examples

The start of any testing phase, much like the start of the coding, is the Entity.

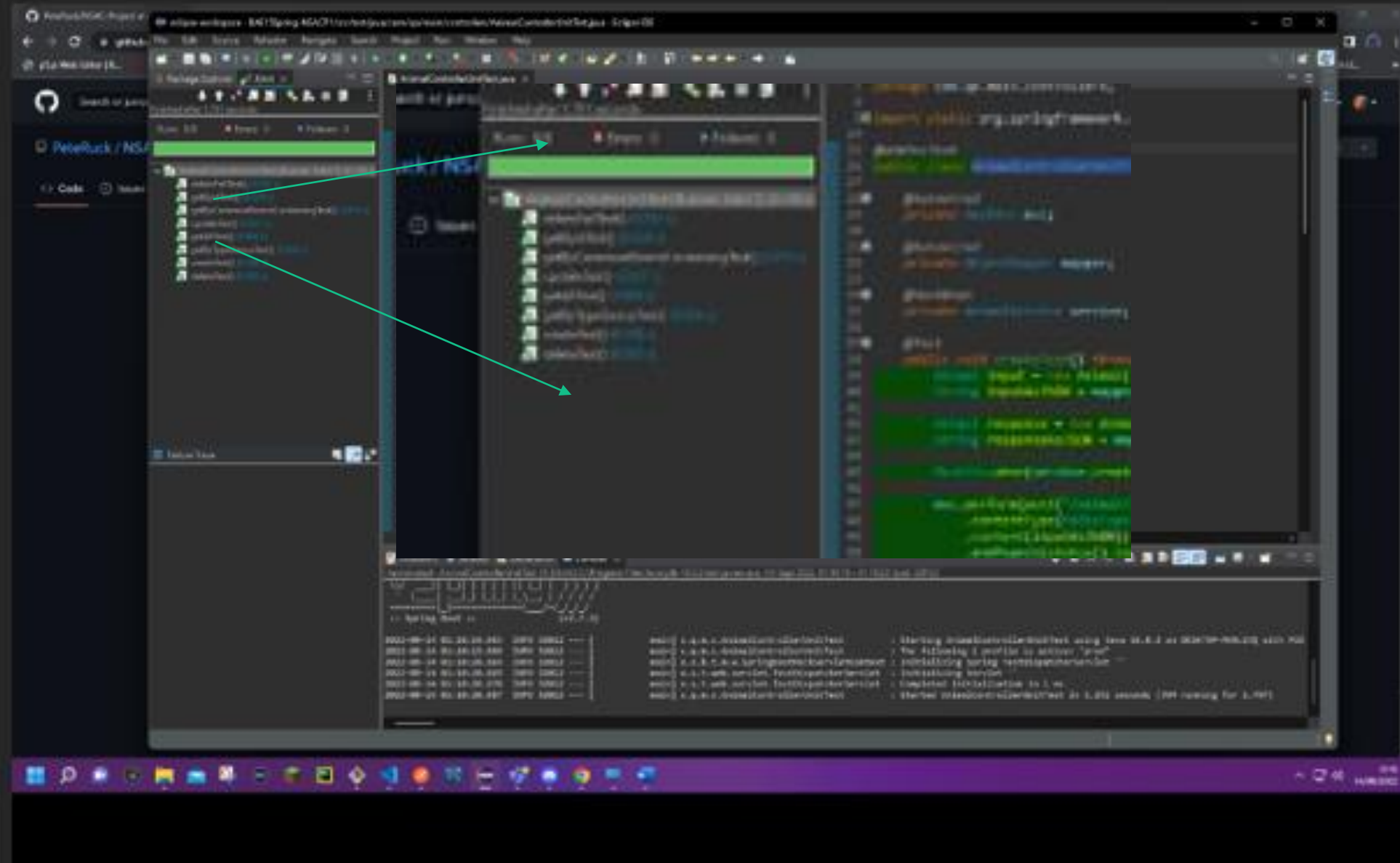
Once complete, Unit testing can start. These alone should give you the industry standard of 80% coverage.

# Integration Tests complete and all passed.

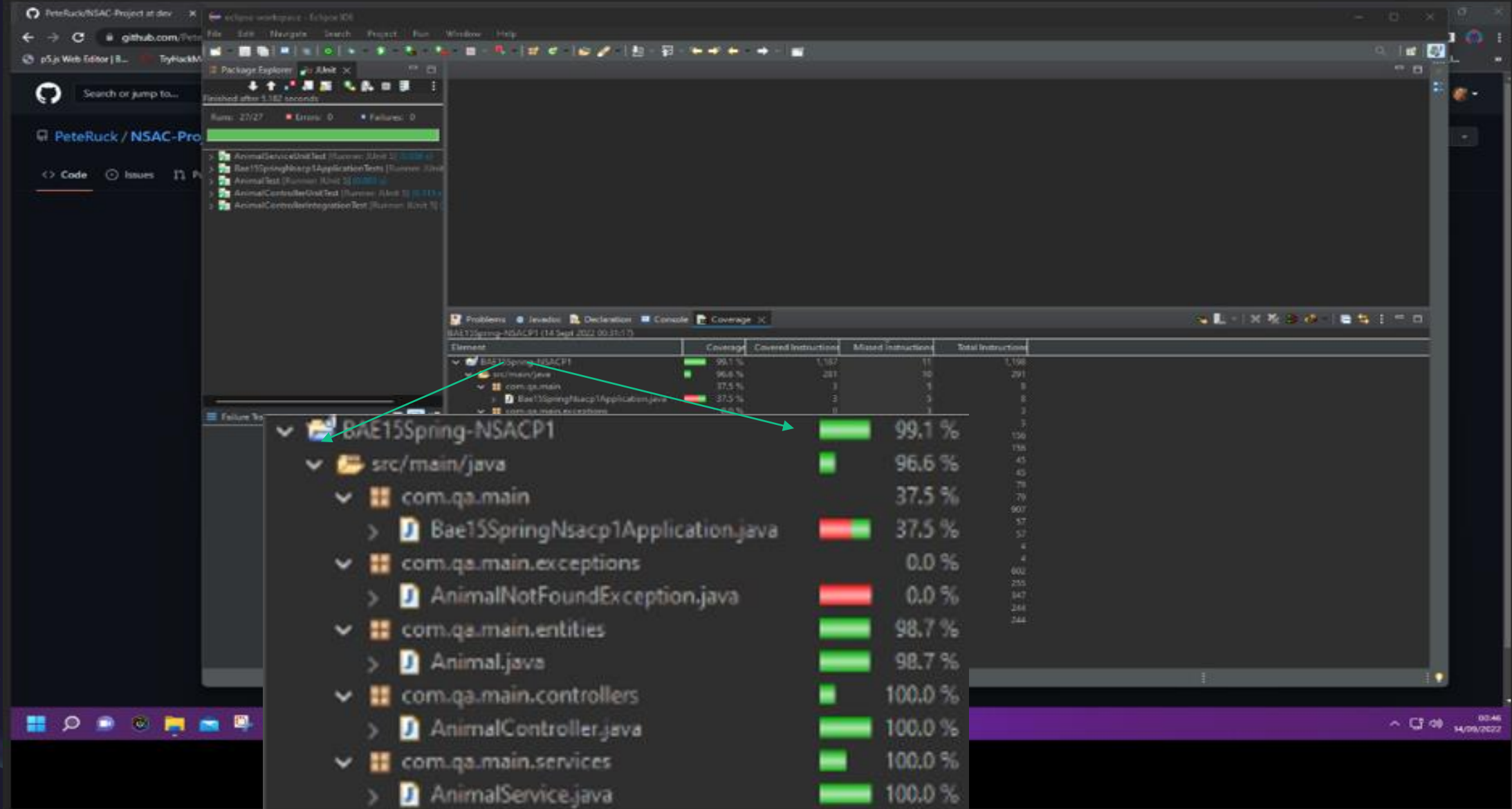




# Unit Tests complete and all passed.



# COVERAGE TEST ABOVE 80%



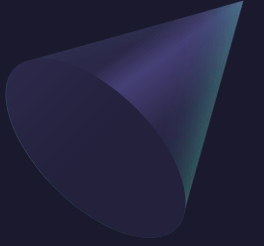


# DEMO!!!!





# SPRINT Overview



## COMPLETE

- All administration taskings.
- All coding taskings.
- All Testing – unit, integ, postman.
- All Coverage – 99.1% (96.6%).
- Front end functionality and integration with API.

## LEFT BEHIND

- Search by Genus Type.
- Search by name containing.
- Both areas were coded on the back end but when it came to it, I couldn't connect the queries to the search bar or get my Modal working for the results to show in, so I sacked them to spend more time sanity checking the build and final admin tasks.

## IMPROVEMENTS

- Check my coding and slow down!
- Stop overthinking everything!
- Stop trying to fly when you're struggling to walk!!
- Pretty much every problem I found could have been avoided if I'd have taken more time and not rushed full steam ahead, then overthinking the solutions took extra time.



# Summary

I think my time utilization was good, I stuck to my timelines rigorously, and gave enough wiggle room for any dramas that inevitably cropped up!

The few problems I came across I managed to sort out, some with some guidance, but mostly through GOOGLE!!

In Future, baby steps, and don't overthink it.

# Thank You, and now Question Time!

Pete Ruck

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