# To do List Project

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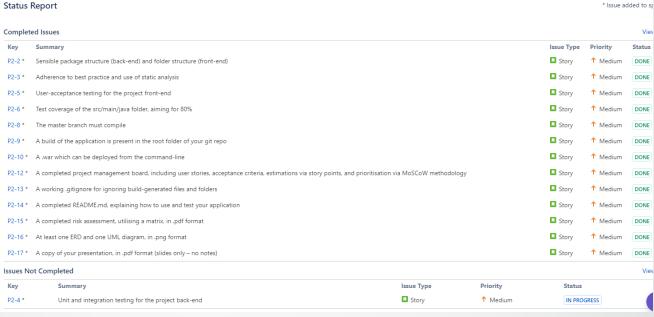
### Introduction

I started by condensing the brief into digestible points/tasks that I could complete in bursts using sprints.

This was done using Jira, and the tasks were managed into separate epics to further clarify what tasks were related to each other.

This helped to efficiently manage the backlog.

### Concept



- I started by focusing on developing a working backend as this would help speed things up with the frontend creation.
- I also used Jira to create a specific guideline of what I could accomplish each day.

### Sprint Plan

 Using sprints I added small manageable tasks to the sprints each day to make sure that I had things that could be accomplished regularly.

## Consultant Journey

- Version Control System: Git
- **Source Code Management:** GitHub
- Kanban Board: Jira
- Database Management System: MySQL Server 5.7 (local or GCP instance)
- Back-End Programming Language: Java
- API Development Platform: Spring
- Front-End Web Technologies: HTML, CSS, JavaScript
- Build Tool: Maven
- Static Analysis: SonarQube
- Unit & Integration Testing: JUnit, Mockito
- User-Acceptance Testing: Selenium

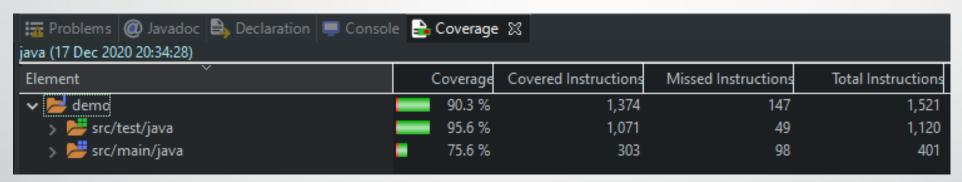
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I set a repository on GitHub and cloned it to my machine, from then on I began working on the project from my personal machine

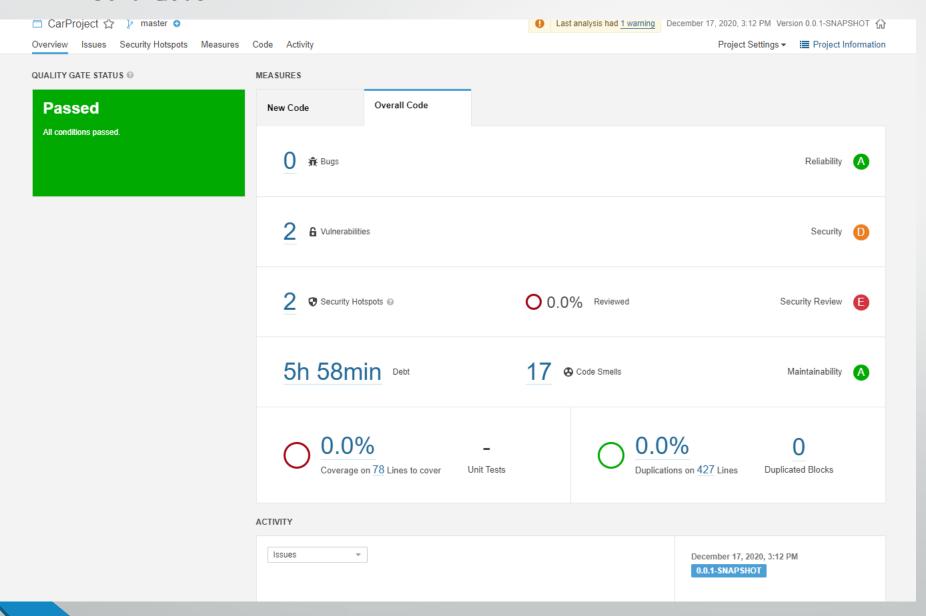
I created a dev branch to go along with main branch for this project, and the once a successful part of the code was working on the dev branch, I pushed it to the main branch this was done to ensure I always had a working version of my code.

# **Testing**

#### JUnit



#### SonarQube



### Demonstration

## **Sprint Review**

 The main shortcoming of the project was the missing update functionality in the front-end. As well as the lack of testing up to industry standards

## **Sprint Retrospective**

 Overall I believe my approach with the sprints was successful, however given more time I would have described the tasks in greater detail.

### Conclusion

- I believe that testing is something that I would need to improve on for next time as I only managed to achieve 75% testing for the src/main/folder. As well as managing my time efficiently under a time crunch.
- Due to some issues with my motherboard and CPU in the week prior, I lost quite some time for working on the project.
- The selenium testing was also left incomplete for this project.

Thank you for listening! Questions?