Inventory Management System

By Adam Hackworth

Introduction

Started off with documentation:

- Kanban Board using Jira Software
- Risk Assessment document drawn up
- ERD and UML diagrams where also drawn up

Starting the IMS

- Built a MySQL database using MySQL Workbench which I copied into the SQL Schema on the IMS.
- Started by building an Item class, Data access object and controller.
- Then moved onto making the orders entity in the IMS.

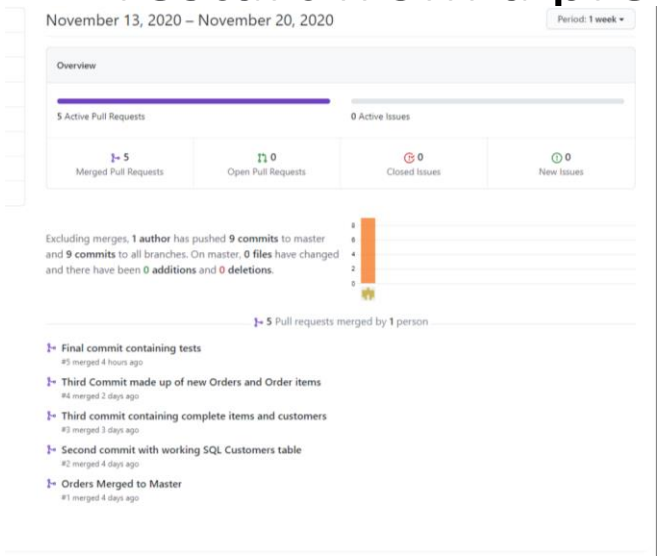
Consultant Journey

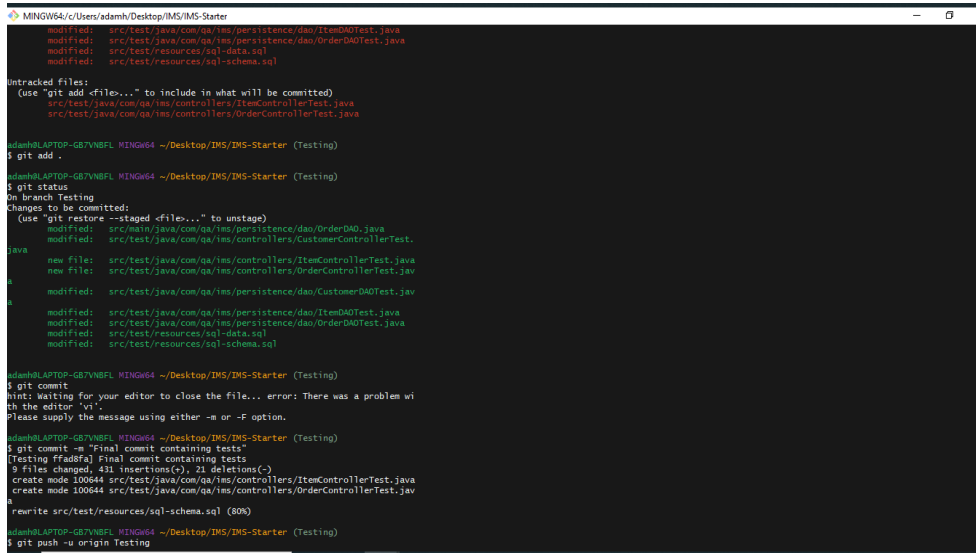
Over the past few weeks I have learnt a variety of new software:

- Java
- Git
- Jira
- Eclipse
- Maven
- Command Line

Continuous Integration

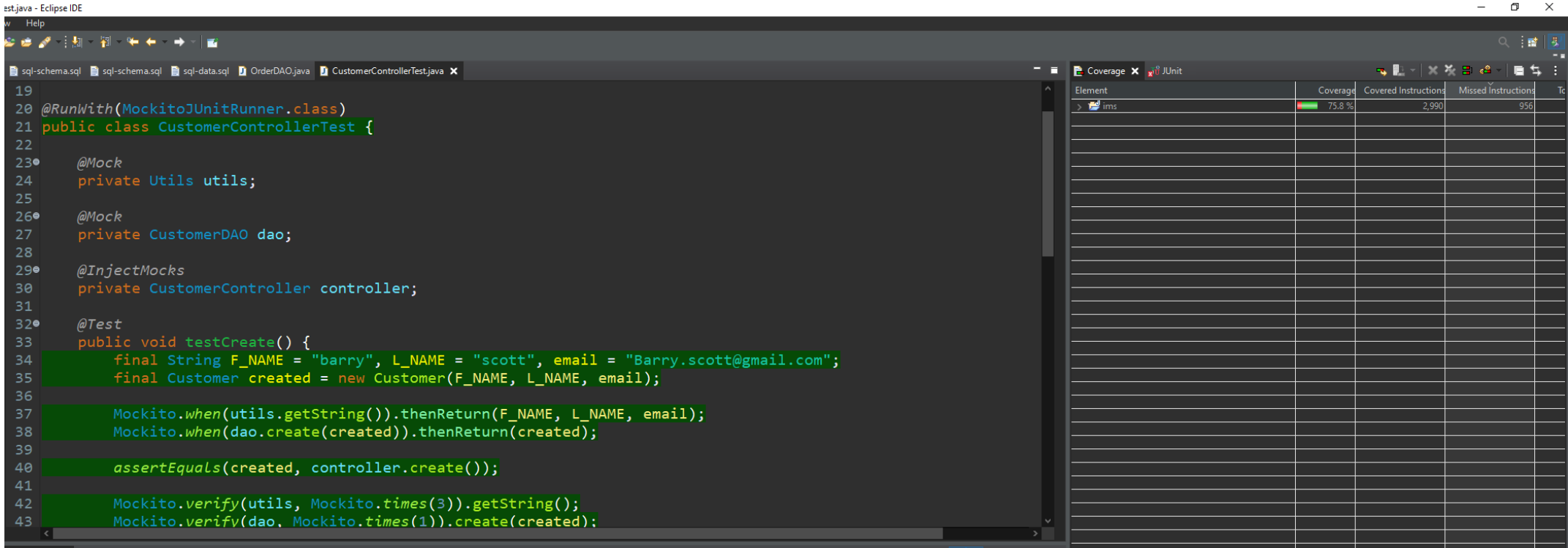
- Continuous Integration was performed using Git Bash software and Git Hub as a online repository to store completed code from eclipse.
- Using the branch feature on Git Bash I was able to upload various parts of the code I had been working on from a given day while still keep a safe working backup on the GitHub which allowed me to restart from a previous known working IMS.





Testing

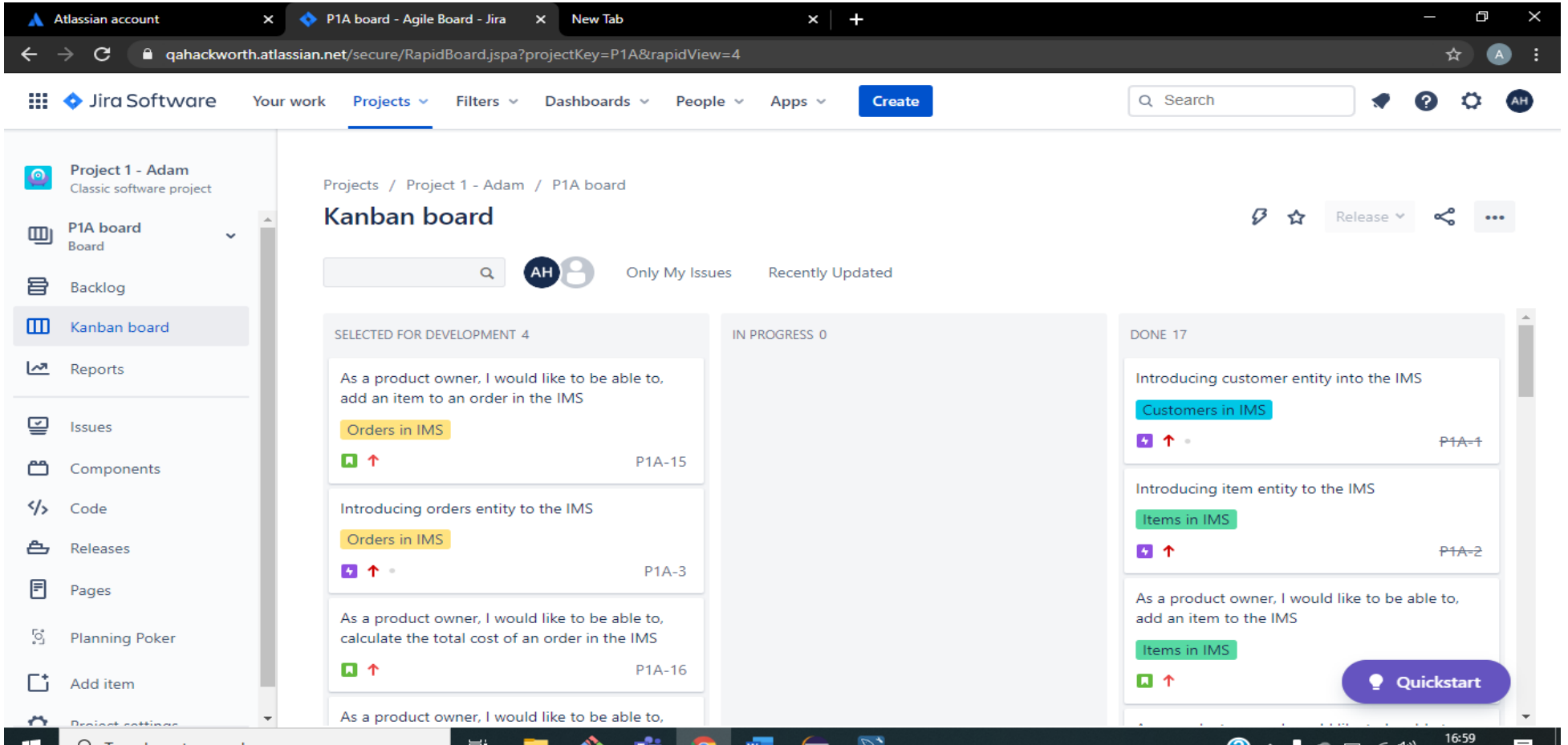
- Testing was performed with JUnit and Mockito. These two systems allowed me to test the IMS. While also allowing me to see if any bugs where in the system.



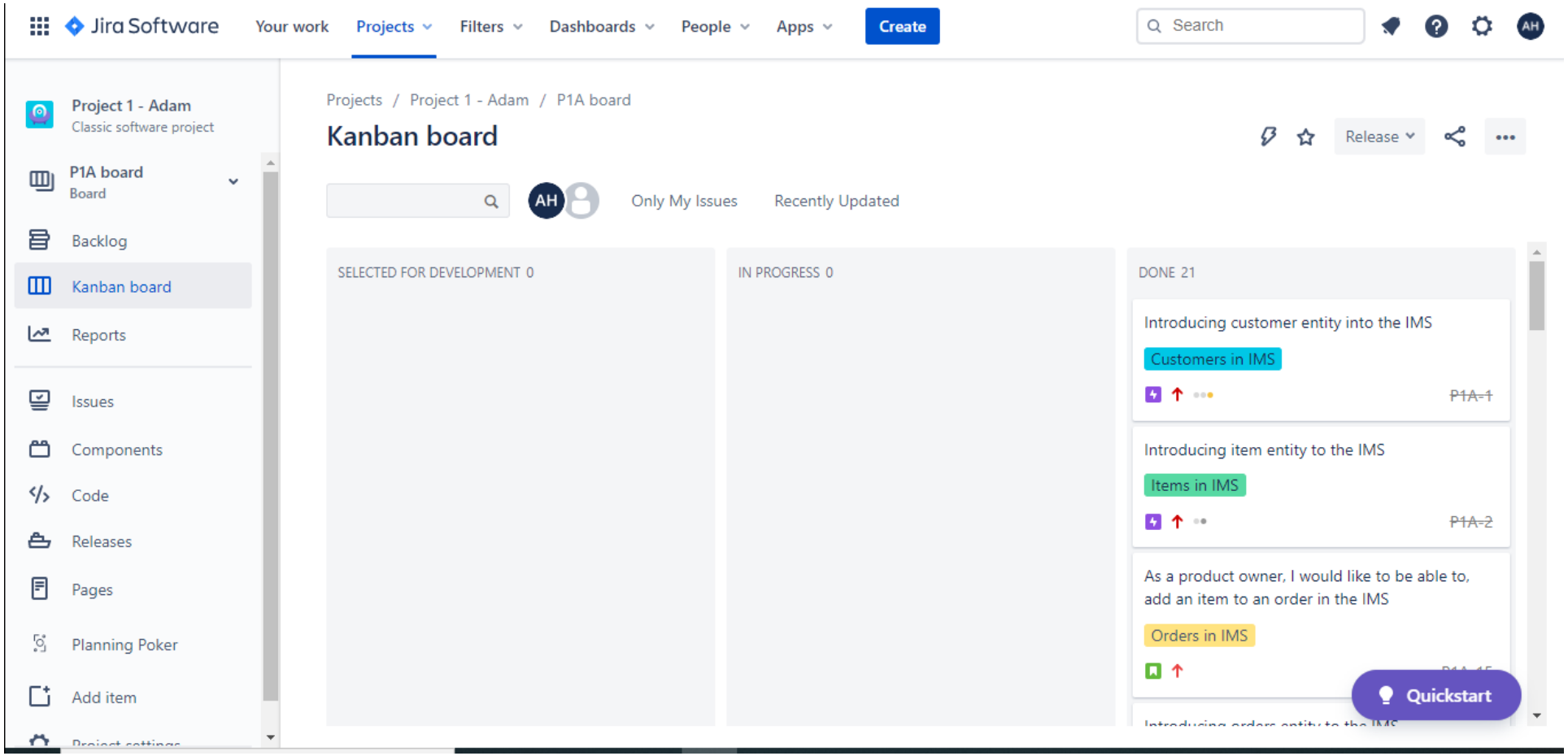
Demonstration

- Here is a demo of the system working.

Sprint Review



Sprint Retrospective



To Conclude

- Enjoyed learning and using the various new software
- Struggled with parts but was able to get guidance
- Managed to successfully build a working IMS which was to the standard of the MVP

Any Questions…?