Inventory Management System

By Winifred Dakora

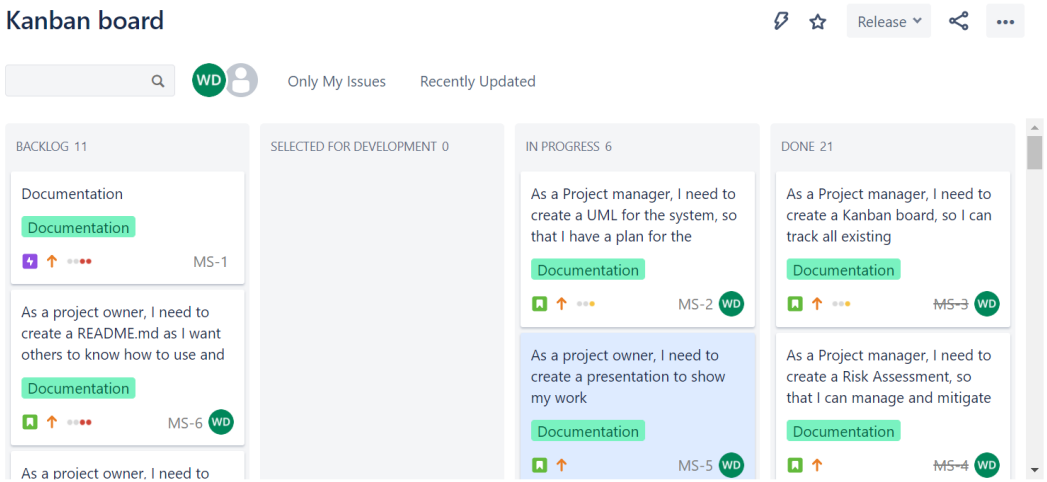
Introduction

Beginner background in the following languages:

- Java
- SQL
- Python
- HTML

How I approached the specification:

- Kanban board
- Drawing diagrams for entity relationships



[Link to Kanban board]

Consultant journey

Technologies learnt:

- Cloud technologies – AWS, GCP, Azure
- Git and Github
- JDBC
- Junit, Maven

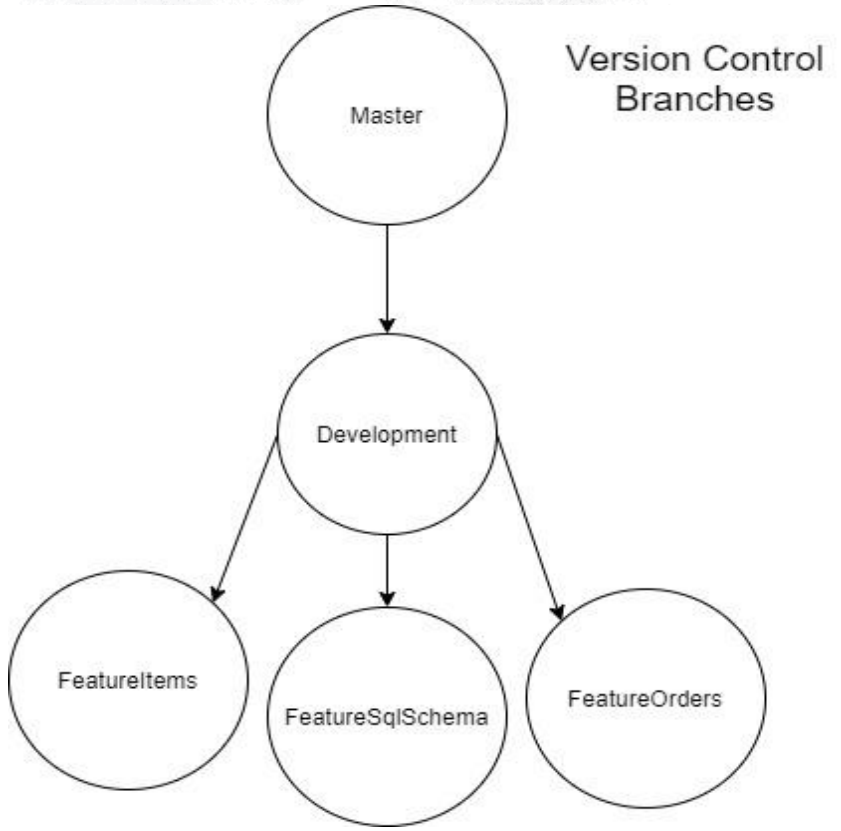
Further developed knowledge in:

- SQL
- Java

Continuous Integration (CI)

3 feature branches:

- FeatureItems
- FeatureSQLSchema
- FeatureOrders



Testing

- The following classes were tested:
- Customer DAO
- Customer Controller
- Item DAO
- Item Controller
- Order DAO
- Order Controller

Element	Coverage	Covered Ins...	Missed Instr...	Total Instruc...
ims	70.3 %	2,420	1,021	3,441
src/main/java	59.2 %	1,479	1,021	2,500
com.qa.ims.persistence.domain	53.5 %	325	283	608
com.qa.ims.persistence.dao	71.9 %	700	274	974
com.qa.ims.controller	59.4 %	300	205	505
com.qa.ims	0.0 %	0	170	170
com.qa.ims.utils	63.4 %	154	89	243
src/test/java	100.0 %	941	0	941
com.qa.ims.controllers	100.0 %	584	0	584
com.qa.ims.persistence.dao	100.0 %	357	0	357

Demonstration

User Stories I will be covering:

1. Create a customer
2. Create 3 items
3. Create an order
4. Add items to order
5. Read orders

Sprint review

What was completed:

- Full CRUD functionality for the customers page and the items page
- Risk assessment
- Documentation including presentation

What was left behind:

- I was not able to implement an update order or the items within the order
- Few test cases
- Feature branches for :
  - Testing
  - Documentation

Sprint Retrospective

What went well:

- Understood the functionality behind creating objects
- Documentation and presentation completed
- Learned how to used Git

What could be improved:

- My knowledge of Java and Junit
- Calculating the entire order
- Version control
- More practice with testing and maven

Conclusion

- Improvements to be made with java
- A simple function may need a lot more time and effort than originally thought
- Planning realistic time scales is very important

Questions?