

IMS – INVENTORY MANAGEMENT SYSTEM

By Peprah

INTRODUCTION

Background

- Peprah Junior Amoh-Donkor
- Born USA
- Live London
- Linguist
- Marketing

How did I approach the spec

Planned everything out

Try to complete what it ask first

Then afterwards I planned on going to add my own extra stuff

CONSULTANT JOURNEY

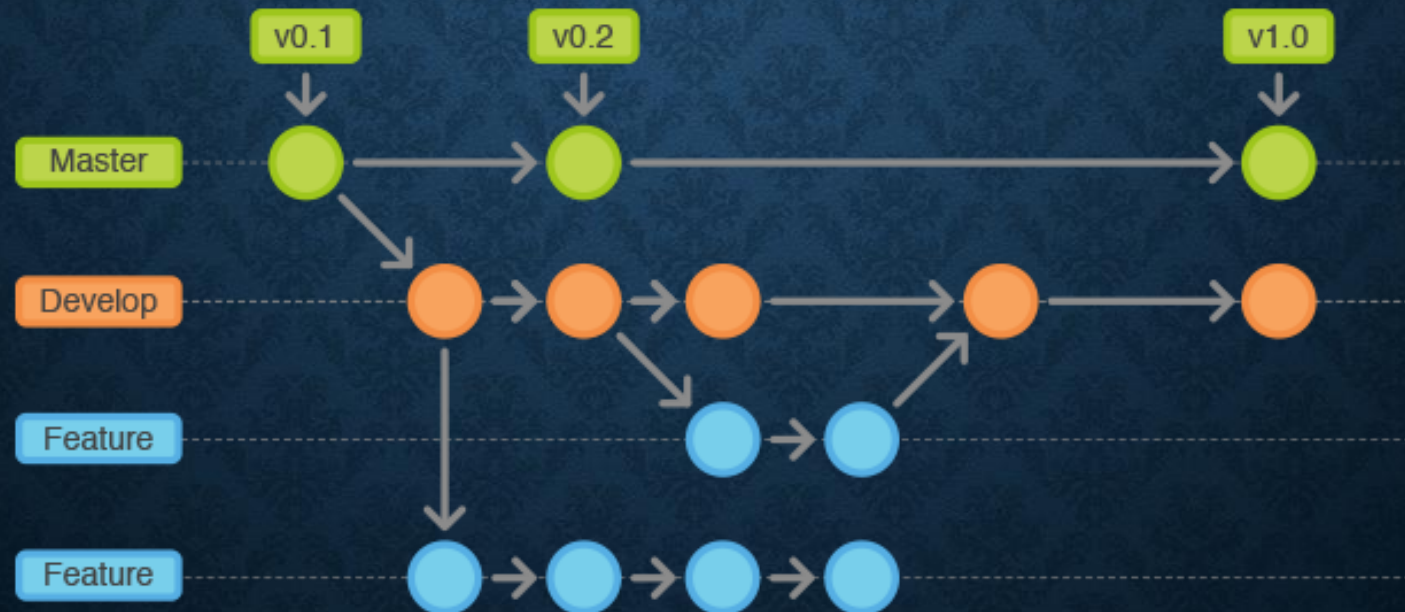
What technologies have I learned for this project?

- MYSQL- Relational databases
- Git and Github - Code hosting platform
- Eclipse and Java – developing java applications
- Junit – testing framework
- Maven – build tool
- Windows
- Agile Scrum
- OOP
- Sonarqube – reviews your code

CI - CONTINUOUS INTEGRATION

How did you approach version control?

Git Branch's

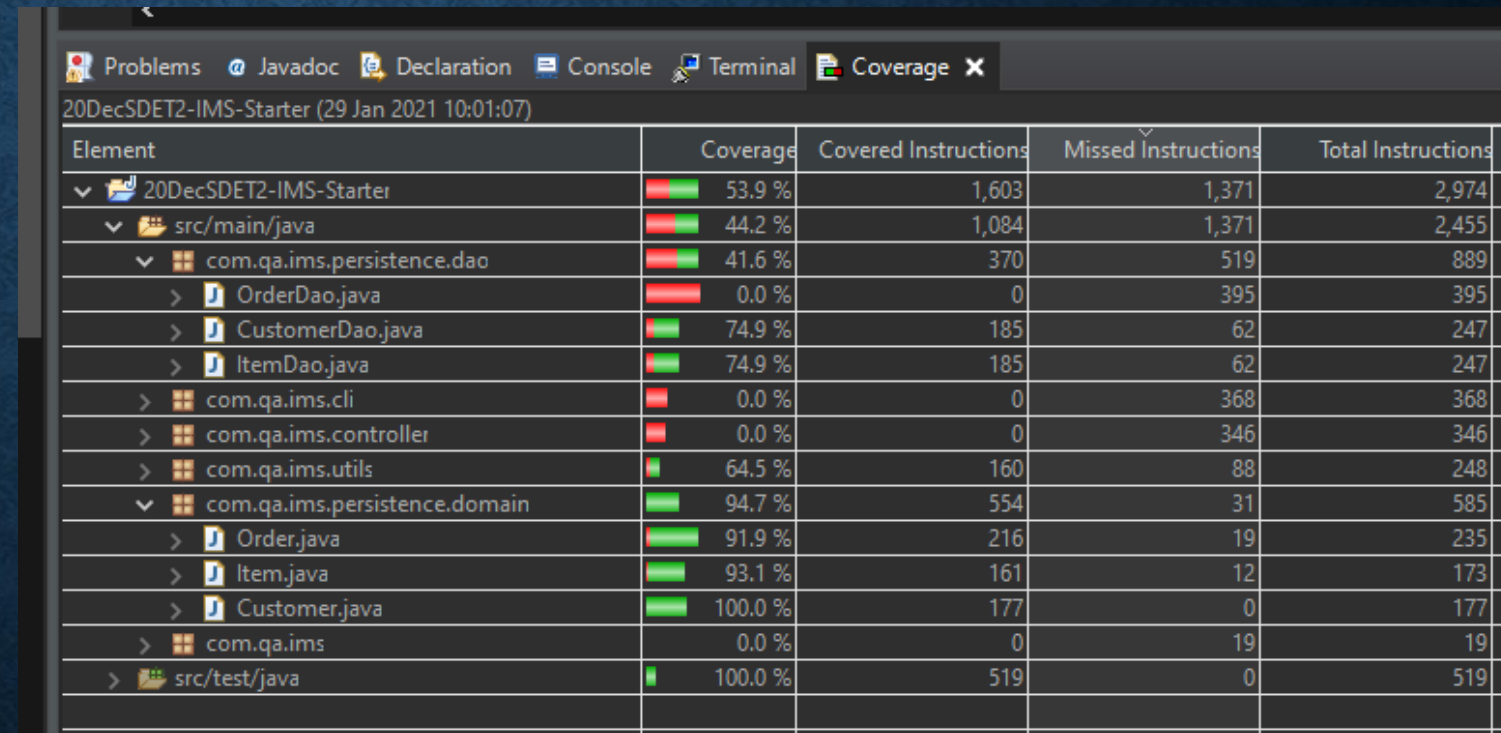


TESTING

What was tested?

- CustomerDomain 100%
- CustomerDAO 74%
- ItemDomain 93%
- ItemDAO 74%
- OrderDomain 91%
- OrderDAO – refused to work

Coverage of the **src/main/java** folder – 44%



| Element | Coverage | Covered Instructions | Missed Instructions | Total Instructions |
|-------------------------------|----------|----------------------|---------------------|--------------------|
| 20DecSDET2-IMS-Starter | 53.9 % | 1,603 | 1,371 | 2,974 |
| src/main/java | 44.2 % | 1,084 | 1,371 | 2,455 |
| com.qa.ims.persistence.dao | 41.6 % | 370 | 519 | 889 |
| OrderDao.java | 0.0 % | 0 | 395 | 395 |
| CustomerDao.java | 74.9 % | 185 | 62 | 247 |
| ItemDao.java | 74.9 % | 185 | 62 | 247 |
| com.qa.ims.cli | 0.0 % | 0 | 368 | 368 |
| com.qa.ims.controller | 0.0 % | 0 | 346 | 346 |
| com.qa.ims.utils | 64.5 % | 160 | 88 | 248 |
| com.qa.ims.persistence.domain | 94.7 % | 554 | 31 | 585 |
| Order.java | 91.9 % | 216 | 19 | 235 |
| Item.java | 93.1 % | 161 | 12 | 173 |
| Customer.java | 100.0 % | 177 | 0 | 177 |
| com.qa.ims | 0.0 % | 0 | 19 | 19 |
| src/test/java | 100.0 % | 519 | 0 | 519 |

DEMO



SPRINT REVIEW

| | | | | |
|--|----|--------|---|---|
| Task Complete ERD | PA | IMS-2 | ↑ | - |
| Task Complete Risk Assessment | PA | IMS-3 | ↑ | - |
| Task Complete Presentation | PA | IMS-4 | ↑ | - |
| As a user, I want to add a customer to the system so that I can register them | PA | IMS-5 | ↑ | - |
| As a user, I want to be able to view all customers in the system so that I can see all the customers that are registered | PA | IMS-6 | ↑ | - |
| As a user, I want to be able to update a customer in the system so that I can change customers details when desired | PA | IMS-7 | ↑ | - |
| As a user, I want to be able to delete a customer in the system so that I can remove a customer when desired | PA | IMS-8 | ↑ | - |
| As a user, I want to add a item to the system so that I can register the item | PA | IMS-9 | ↑ | - |
| As a user, I want to be able to view all items in the system so that I can see all the items that are registered | PA | IMS-10 | ↑ | - |
| As a user, I want to be able to update a item in the system so that I can change the item details when desired | PA | IMS-11 | ↑ | - |
| As a user, I want to be able to delete a item in the system so that I can remove a item when desired | PA | IMS-12 | ↑ | - |
| As a user, I want to add an order to the system so that I place a order | PA | IMS-13 | ↑ | - |
| As a user, I want to be able to view all orders in the system so that I can see all the orders that have been placed | PA | IMS-14 | ↑ | - |
| As a user, I want to be able to update a order in the system so that I can change the order details when desired | PA | IMS-15 | ↑ | - |
| As a user, I want to be able to delete a order in the system so that I can remove a order when desired | PA | IMS-16 | ↑ | - |
| As a user, I want to add an item to a order so that I can see what items have been ordered | PA | IMS-17 | ↑ | - |
| As a user, I want to calculate a cost for an order so that I can see the total amount owed for the order | PA | IMS-18 | ↑ | - |
| As a user, I want to delete an item in an order so that I can make changes when needed | PA | | | |

SPRINT RETROSPECTIVE

What went well?

- Items class
- Order class
- Item and order controllers
- Crud basic function

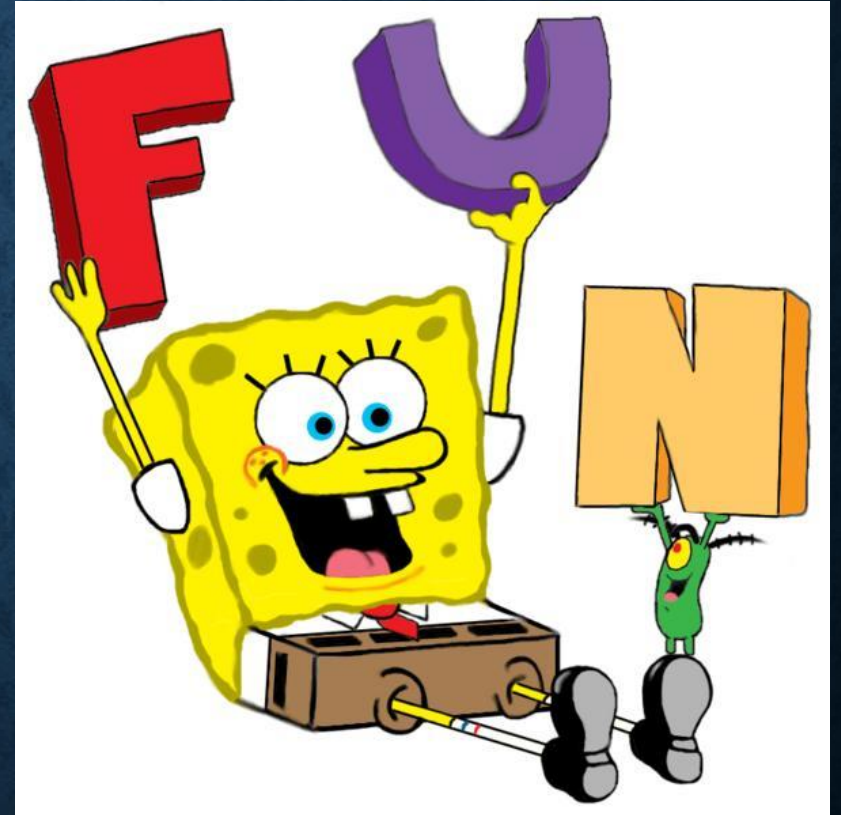
What could be improved?

- Better remove and add
- Finding solutions
- Everything
- Slow

CONCLUSION

Reflections on the project:

- Time allocation
- Fix delete
- Fix Remove
- For loops
- Branches Git
- Remember can't use certain words in java
- Fun but also stressful



THE END

THANKS FOR LISTENING

ANY QUESTIONS