QA - Project Feb 2022 Inventory Management System

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Specifications of Project

The goal and main objective of this project is to create an Inventory Management System (IMS) that a user can interact with via a Command Line Interface (CLI)

The project will aim to achieve this by carrying out the following:

- Adding a Customer, Item and Order to the system
- Viewing all Customers, Items and Orders on the system
- Update Items, Customers and Orders on the system

Meeting Standards and Requirements

- User stories were created along with with tasks to carry out these scenarios using Jira
- Relational database on MySQL must be created for Customers, Items and Orders
- Unit testing was to be and should have been conducted *
- Risk assessment to gain an overall scope of what issues could occur and how best to overcome them
- Using GitHub as Version Control System

^{* =} testing made me cry :(

| Epic | |
|---|------|
| ▼ MMS-15 Create code for Java | |
| ■ IMS-19 Go back through notes to understand | DONE |
| ✓ ► IMS-16 Create IMS | |
| ■ IMS-17 Create Code in Java | DONE |
| ■ IMS-18 Specify code for an IMS | DONE |
| ✓ ✓ IMS-20 SQL Database migrate together | |
| ■ IMS-21 As a user I need to add edit or delete or update an item | DONE |
| ■ IMS-22 Link together with Java | DONE |
| ✓ ▼ IMS-23 Make a Readme file | |
| ■ IMS-24 As a user I need to understand how the application works | DONE |
| ▼ MS-25 ERD diagram | |
| ■ IMS-26 Understand the concept of ERDs | DONE |
| ■ IMS-27 Create presentation for QA | DONE |
| ✓ MS-28 Create presentation for QA | |
| ■ IMS-29 As a student I need to present this project to my trainer so that I can pass and move further in course | DONE |

JIRA Planning

Jira was used for planning - A total of 9 epics were used

| Epic | |
|--|----------------------------------|
| ✓ ✓ IMS-23 Make a Readme file | |
| ■ IMS-24 As a user I need to understand how the application works | DONE |
| ✓ MMS-25 ERD diagram | |
| ■ IMS-26 Understand the concept of ERDs | DONE |
| ■ IMS-27 Create presentation for QA | DONE |
| ▼ MS-28 Create presentation for QA | |
| ■ IMS-29 As a student I need to present this project to my trainer so that I can pass and move further in course | DONE |
| ▼ IMS-30 Create database for Customers | |
| ■ IMS-31 As a user I need a database which can store customer information | DONE |
| ▼ IMS-32 Create a database for Items | |
| ■ IMS-33 Make a database that can store Item details | DONE |
| ✓ ► IMS-34 Create database for orders | |
| ■ IMS=35 Make a database that will store order details | DONE |
| ▼ ■ IMS-36 Create Testing methods | |
| IMS-37 As a developer I need to run testing on my program to ensure my work meets the industry standards | IN PROGRESS |
| IMS-38 Unfortunately could not complete - testing was not a strong point for me - need to revisit and liaise with trainers and do out of hours | learning. Lack of un IN PROGRESS |

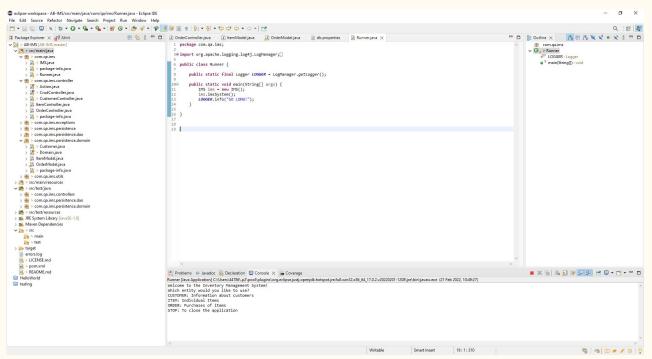
JIRA continued

Bugs were highlighted in Red....of course it was testing....which made me cry.....again.

Demo



Time

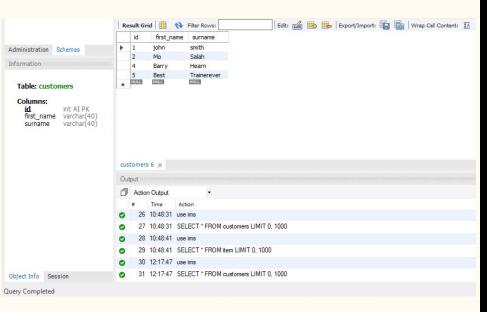


Command Line User Interface

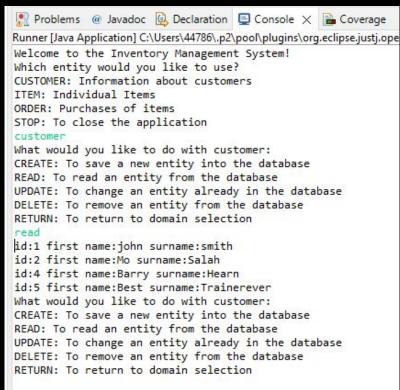


Initial message greeting and asking which entity would like to be performed

CLI continued



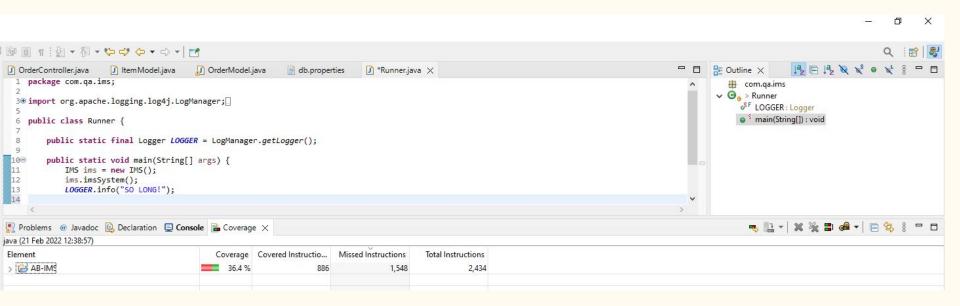
Further examples - and you make a feature too! (id5)





Testing

Total coverage across tests was 36.4%



Summary

To summarise, I learnt that each detail must be followed very carefully and every single aspect of the project must be covered thoroughly.

Things that I can improve on are my time management and definitely understanding Testing more, I will be going back through videos out of class time to ensure I get up to speed.

I feel I done well is get to grips with my coding skills, simplify and manage tasks well and hopefully I have presented well to you today.

Thank you for taking the time to listen to my presentation, please feel free to ask any questions.