



IMS Starter Project



Deliverable

I have been tasked with creating an Inventory Management System, which will enable a user to interact through the command line and carry out various functions.

To carry out this task I will be using Trello as a project management tool and will be using GitHub to allow me to work on branches to construct the various functions needed to complete this project, before pushing and merging them all onto one main branch.



Deliverables Checklist

The User requires access to the following CRUD functionality;

- Create, read, update, delete a Customer on the system
- Create, read, update, delete a Order on the system
- Create, read, update, delete a Item on the system

When carrying out testing on the project `src/main/java` folder the user requires overall coverage of 60%.

A completed `project management board`.

Git repository utilising the `feature-branch model`.

Risk Assessment

Risk	Statement	Response	Objective	Likelihood	Impact	Risk Level
Heat Exhaustion	Working during the heatwave this week without proper hydration may cause fatigue.	Ensure you keep cool and stay hydrated.	Maintain a reasonable level of comfort while working	Possible	Minimal	2
Lack of GitHub commits	Without pushing work up to GitHub daily it can become hard to track progress and collaborate with colleagues.	Ensure at least one daily GitHub push to keep the repo up to date.	To keep the Git repo updated to allow for progress to be tracked and colleagues to collaborate where needed.	Likely	minor	6
Internet connection issues	There has been an alert for upcoming maintenance works in the local area for Virgin Media broadband customers. Some people may experience a drop in their internet connection during this time.	Keep your mobile phone ready to act as a Wi-Fi hotspot should you lose internet connectivity.	This will enable you to maintain a steady internet connection	Possible	minor	4
Ensure the latest version of programs are being used	Using out-dated software can lead to compatibility issues when working with others or result in work that is missing features	Before stating any work make sure the latest version of all programs is being used.	to reduce the likely-hood of compatibility issues and ensure all work and workers have access to the latest features.	Possible	Major	8
Error/Bug Fixing	As a new user of Java it is likely that I will run into many errors and bugs as I code.	Make use of my trainer while I can and also refer to recordings. Also use the internet to search for errors as I am unlikely to be the first person to encounter them.	To allow for continuous work without reaching a point where any issues cannot be fixed.	Expected	Severe	20

Project Management

Trello

Workspaces

Recent

Starred

Templates

Create

Board

IMS

Trello Workspace

Workspace visible

MD

Share

Search

MD

Calendar Power-Up

Power-Ups

Automation

Filter

Show menu

Tasks

+ Add a card

Questions For Next Meeting

How to fix error in order creation

+ Add a card

To Do

Runner failing logger error

+ Add a card

Pending

+ Add a card

Done

Fix database connection error

Jul 11

Create Database in SQL

Jul 11

Update Pom

Jul 11

Create Customer, Item Order functionality in Java

Jul 12

Create functioning Item Feature

Jul 13

Push to git

Jul 13

Create test forks

Jul 13

Create OrdersItem

Jul 18

Create OrdersItem DAO

Jul 19

Create OrdersItem Controller

Jul 19

ERD

Jul 19

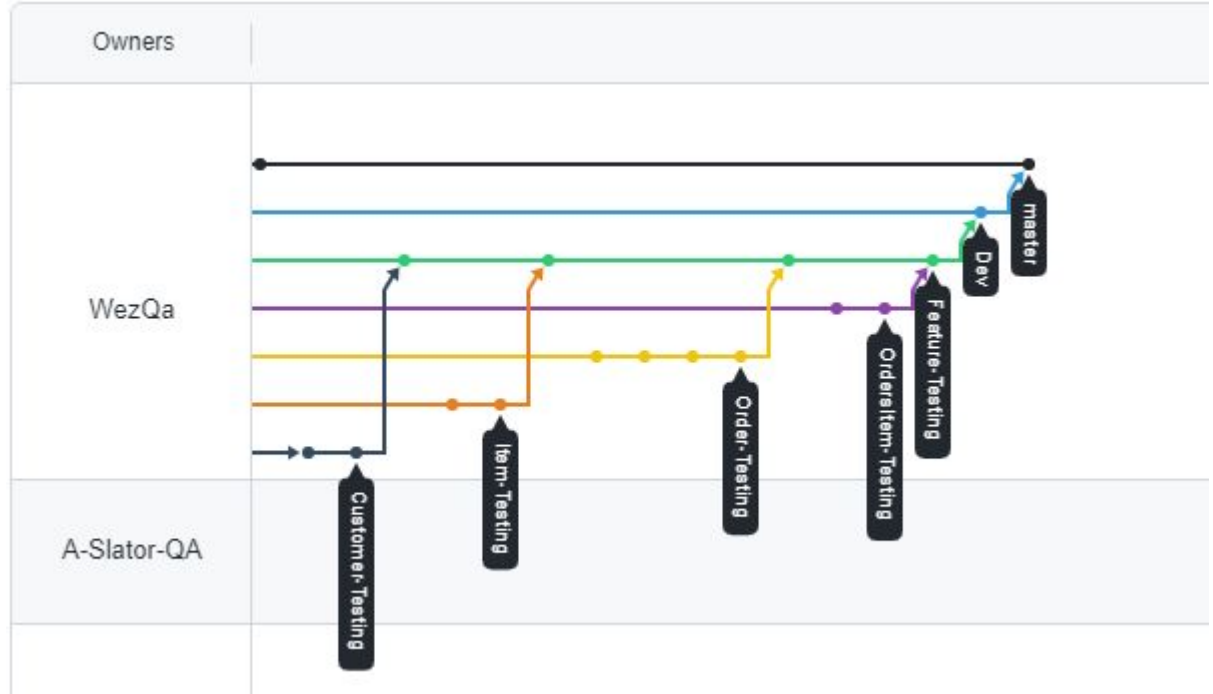
+ Add a card

+ Add another list

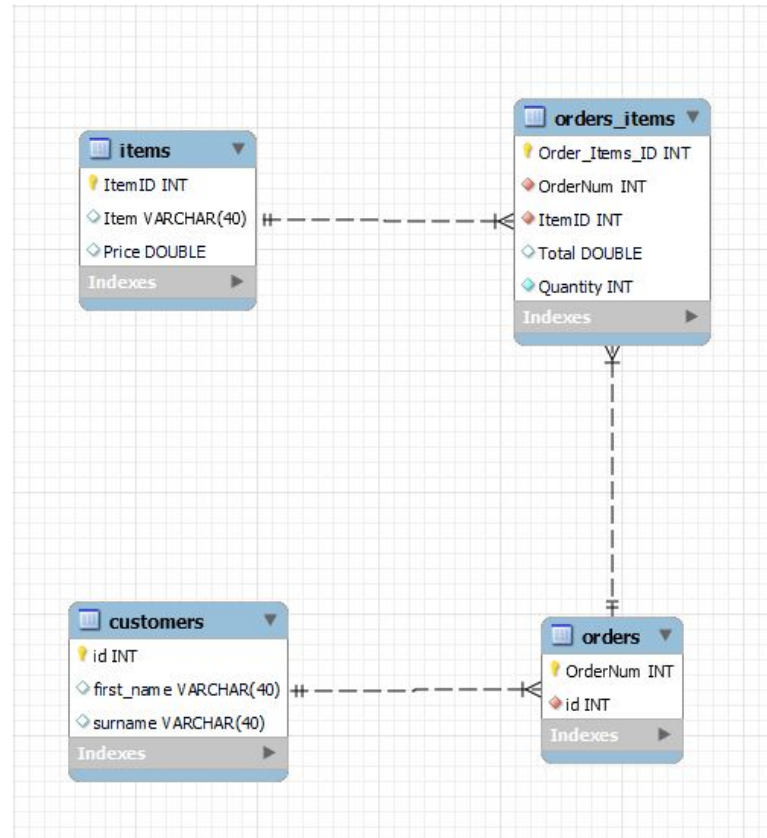
Limitations

Using GitHub there was the potential for merge conflicts to occur when working on new features and trying to push them to the main branch.

To negate this issue Dev and Feature Testing branches were created to not only reduce the risk of this occurring but to also allow for clear identification of where a conflict has arisen.



ERD





Tech Demo



Future Development

As I look back at the end of the project, there are some tasks that I was not able to complete in this sprint, therefore these will need to be addressed in the next sprint.

There is an error in the DBUtils file which is preventing the logger from running.

There is an error with the Order update functionality.