



# Inventory Management System

By James Allaoui

# Introduction

## **About myself**

- My name is James Allaoui
- Trainee QA consultant

## **How I approached this project?**

- System Architecture

# Consultant Journey

## **Software used**

- Git/GitHub
- Maven
- Java
- Eclipse
- MySQL
- JIRA
- Junit
- Mockito

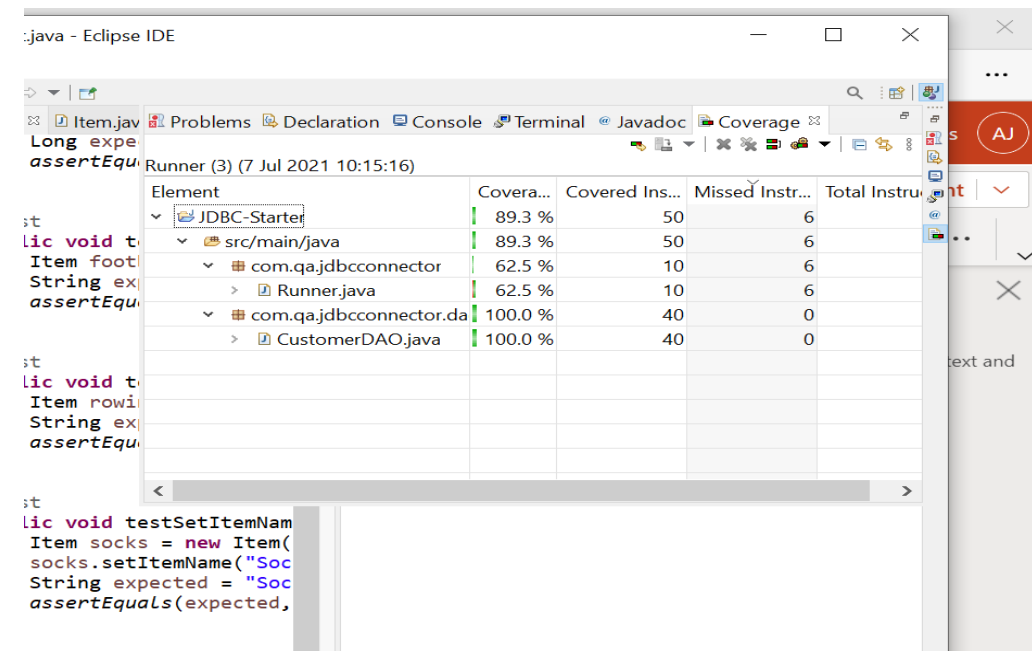
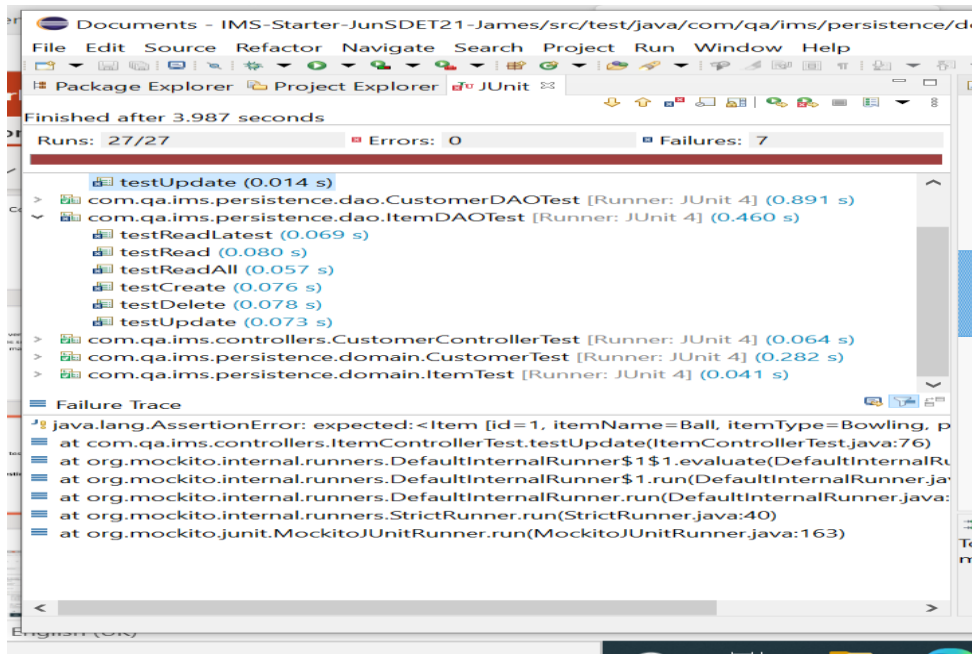
# Version Control

- Git was used to do version control
- Having the branches such as dev and main
- Merge from dev to main

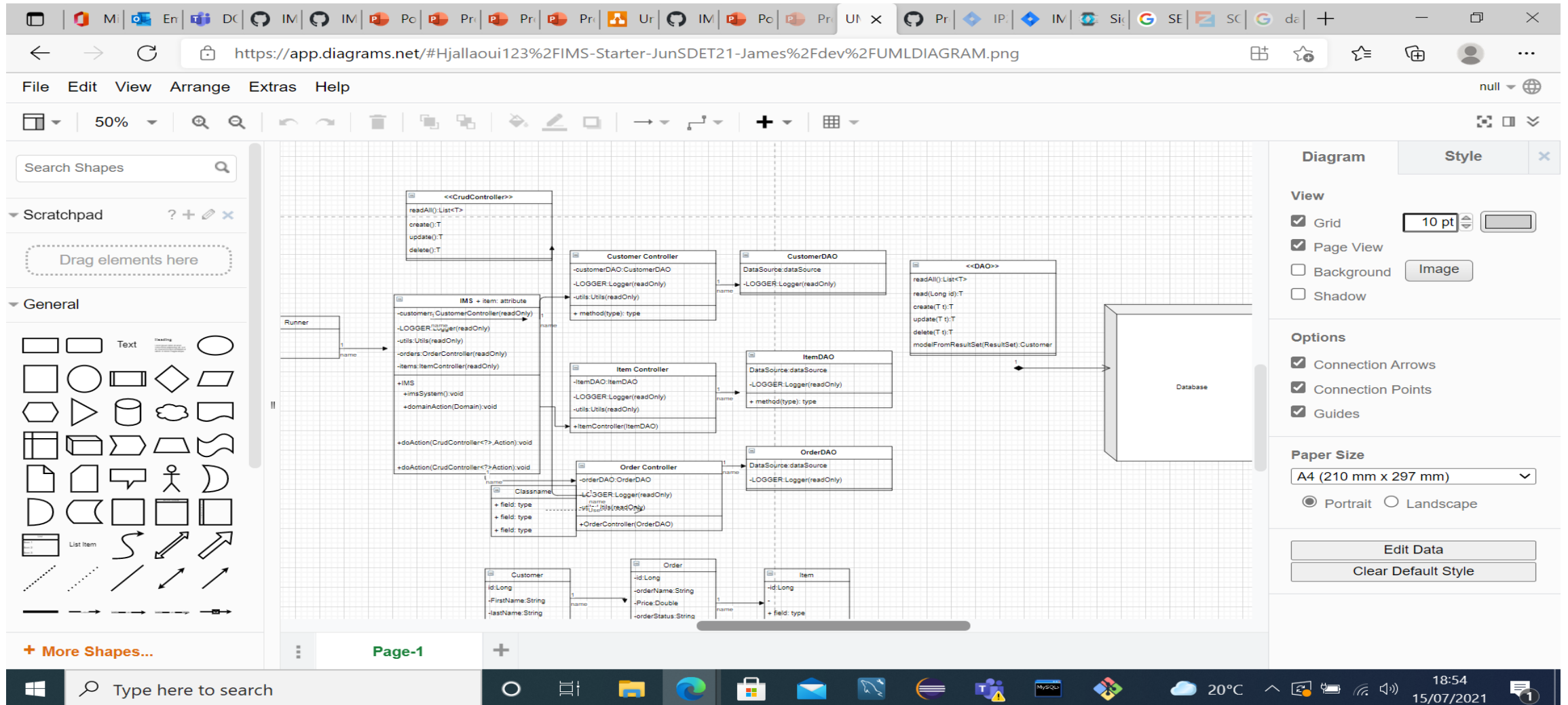
# Testing

## What have I tested?

- The methods were tested in my system
- **Software used for testing**
- JUNIT
- MOKITO



# UML Diagram



# User Stories

Jira Software Your work ▾ Projects ▾ Filters ▾ Dashboards ▾ People ▾ Apps ▾ Create Search 🔍 ? ⚙️

✎ Add epic / 📌 IP2JA2-4

## Create an ERD for each table which are Customers, products, orders and orders items. This will build links between the tables.

🔗 Attach 🧩 Add a child issue 🔗 Link issue ▾ ⋮

### Description

Normal text ▾ **B** *I* ... A ▾ ☰ ☷ 🔗 📎 @ 😊 🏠 <> ⓘ + ▾

As I need to have a good database i will need to ensure that i do an efficient ERD

JA Add a comment...

**Pro tip:** press **M** to comment

🔒 👁 1 👍 🔗 ⋮ ✕

**Done** ▾ ✓ Done

#### Details

Assignee JA James Allaoui

Labels None

Sprint [IP2JA2 Sprint 1](#)

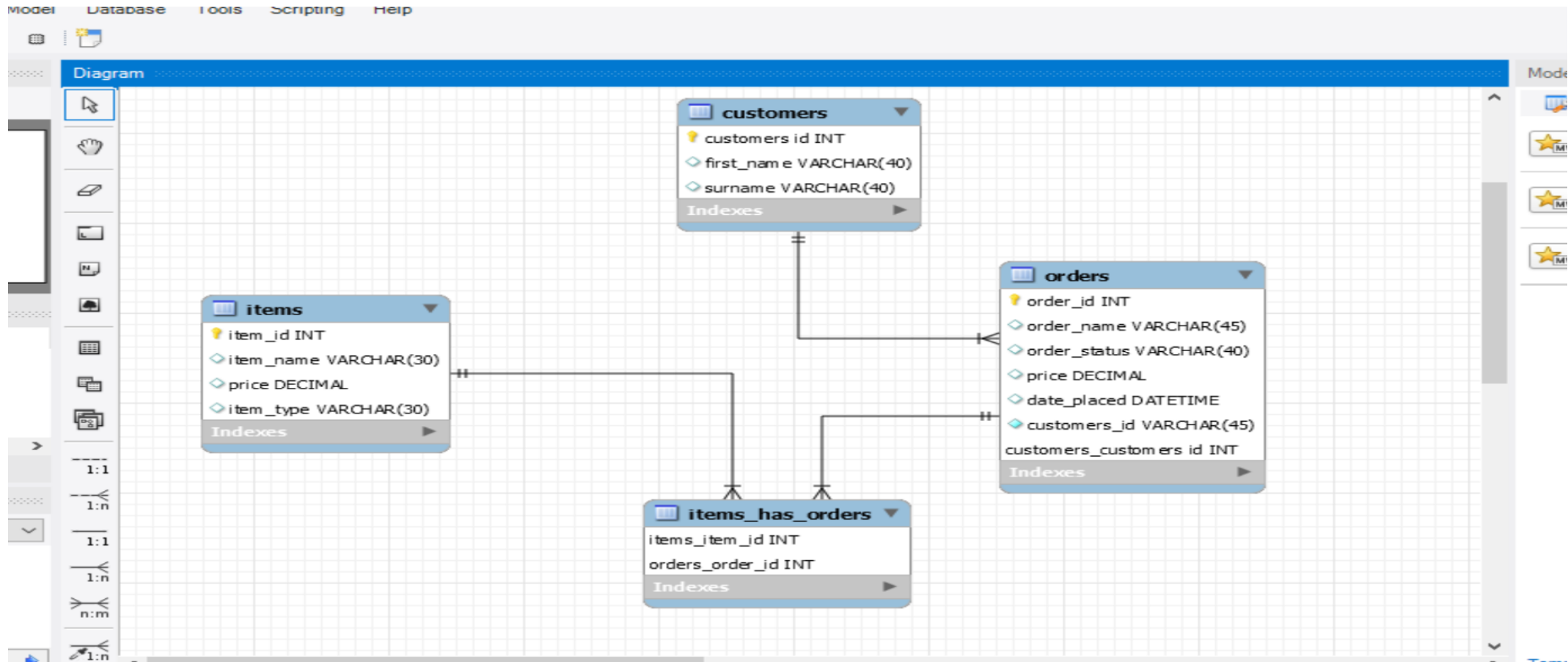
Story point estimate None

Reporter JA James Allaoui

Created 6 days ago Updated 4 minutes ago Resolved 4 minutes ago

⚙️ Configure

# User Stories





# User Stories

The screenshot displays the Jira Software interface. At the top, the navigation bar includes 'Jira Software', 'Your work', and a dropdown menu with 'Projects', 'Filters', 'Dashboards', 'People', and 'Apps'. A 'Create' button is on the right, along with a search bar and user icons. A banner at the top right asks, 'Does your team need more from Jira? Get a free trial of our Standard plan.' The left sidebar shows a project 'IMS-PROJECT-21JUNSD...' with options for Roadmap, Backlog, Board (selected), Code, Project pages, Add item, and Project settings. The main area shows 'IP2JA2 Sprint 1' with a description: 'The goal of my sprint is to complete my project in the timeframe which has been set out from QA academy. I will manage the time i have efficiently by making sure i complete all the tasks i have set myself in the sprint.' Below this is a Kanban board with three columns: 'TO DO 2 ISSUES', 'IN PROGRESS 1 ISSUE', and 'DONE 7 ISSUES'. The 'TO DO' column contains two issues: 'Start thinking about my relational database what I will include' (IP2JA2-3) and 'Start to do my unit testing to test different parts of my program works.' (IP2JA2-10). The 'IN PROGRESS' column contains one issue: 'Build my back end application in Java following best practices and design principles To Do Build my back end application in Java following best practices and design principles To Do' (IP2JA2-7). The 'DONE' column contains four issues: 'Make a plan for my project' (IP2JA2-1), 'Use CRUD functionality in my Java file' (IP2JA2-8), and 'After i have completed my program into a JAR file'. A 'Quickstart' button is visible in the bottom right. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the date '15/07/2021' and time '22:41'.

Jira Software Your work ▾ Projects ▾ Filters ▾ Dashboards ▾ People ▾ Apps ▾ Create Search ? ? ? JA

Does your team need more from Jira? [Get a free trial of our Standard plan.](#) ×

Projects / IMS-PROJECT-21JUNSD... JAMES ALLAQUI

## IP2JA2 Sprint 1

The goal of my sprint is to complete my project in the timeframe which has been set out from QA academy. I will manage the time i have efficiently by making sure i complete all the tasks i have set myself in the sprint.

⚡ ☆ ⌚ 0 days remaining [Complete sprint](#) ⋮

GROUP BY None ▾ [Insights](#)

TO DO 2 ISSUES

Start thinking about my relational database what I will include  
IP2JA2-3

Start to do my unit testing to test different parts of my program works.  
IP2JA2-10

IN PROGRESS 1 ISSUE

Build my back end application in Java following best practices and design principles To Do Build my back end application in Java following best practices and design principles To Do  
IP2JA2-7

DONE 7 ISSUES ✓

Make a plan for my project  
IP2JA2-1 ✓

Use CRUD functionality in my Java file  
IP2JA2-8 ✓

After i have completed my program into a JAR file

[Quickstart](#)

You're in a team-managed project [Learn more](#)

Type here to search 17°C 22:41 15/07/2021

# Sprint Review

## **What I got done?**

- UML Diagrams, Plan, ERD, MY SQL

## **What got left behind?**

- To Complete all the features on my back-end application.

# Sprint Retrospective

## **What went well?**

- Able to organise my tasks and timing effectively
- Knew the tasks which had to be completed

## **What went wrong?**

- Should have kept to the time frame for my tasks.
- Spent so much time overthinking each task

# Conclusion

## **Things I could do better**

- Plan my time more effectively
- Know the basics

## **If I was going to do this project again**

- Do more research
- Focus more

**ANY  
QUESTIONS?**

