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
- Mokito

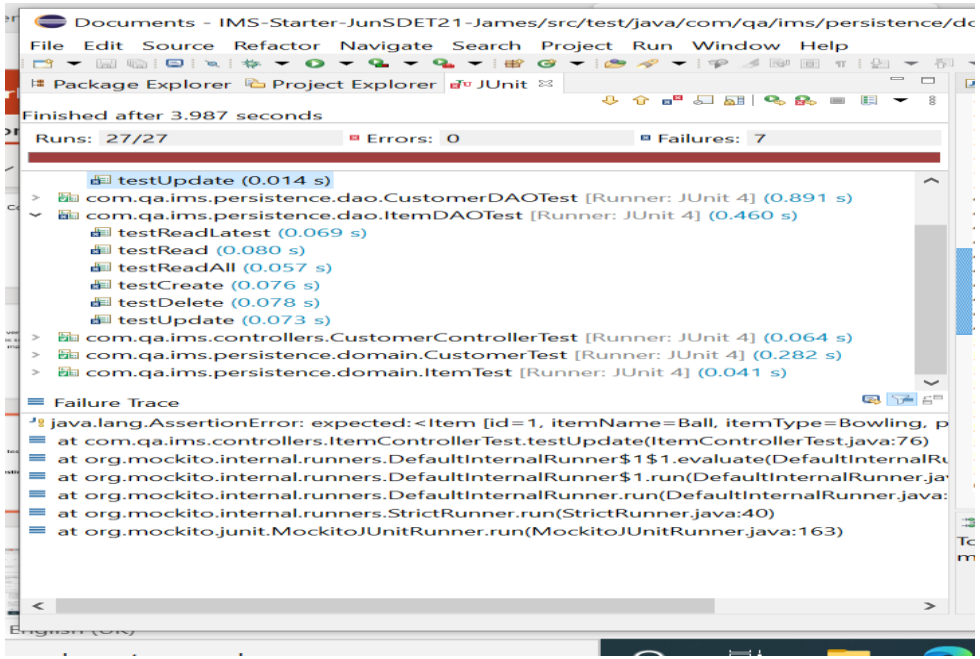
Version Control

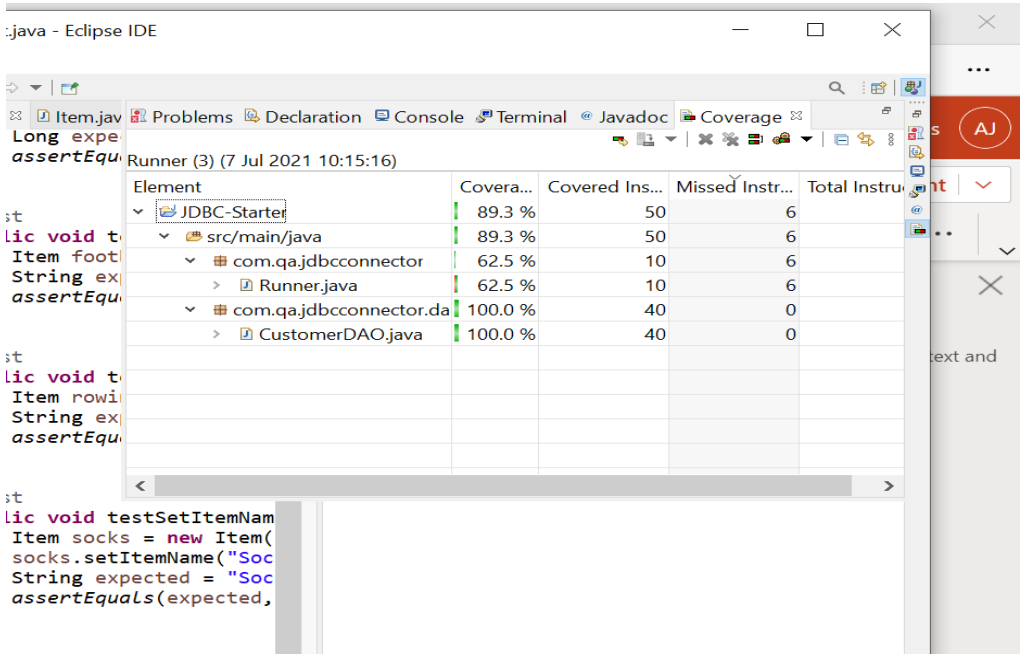
- Git was used to do version control
- Having the branches such as dev and main
- Merge from dev to main

Testing

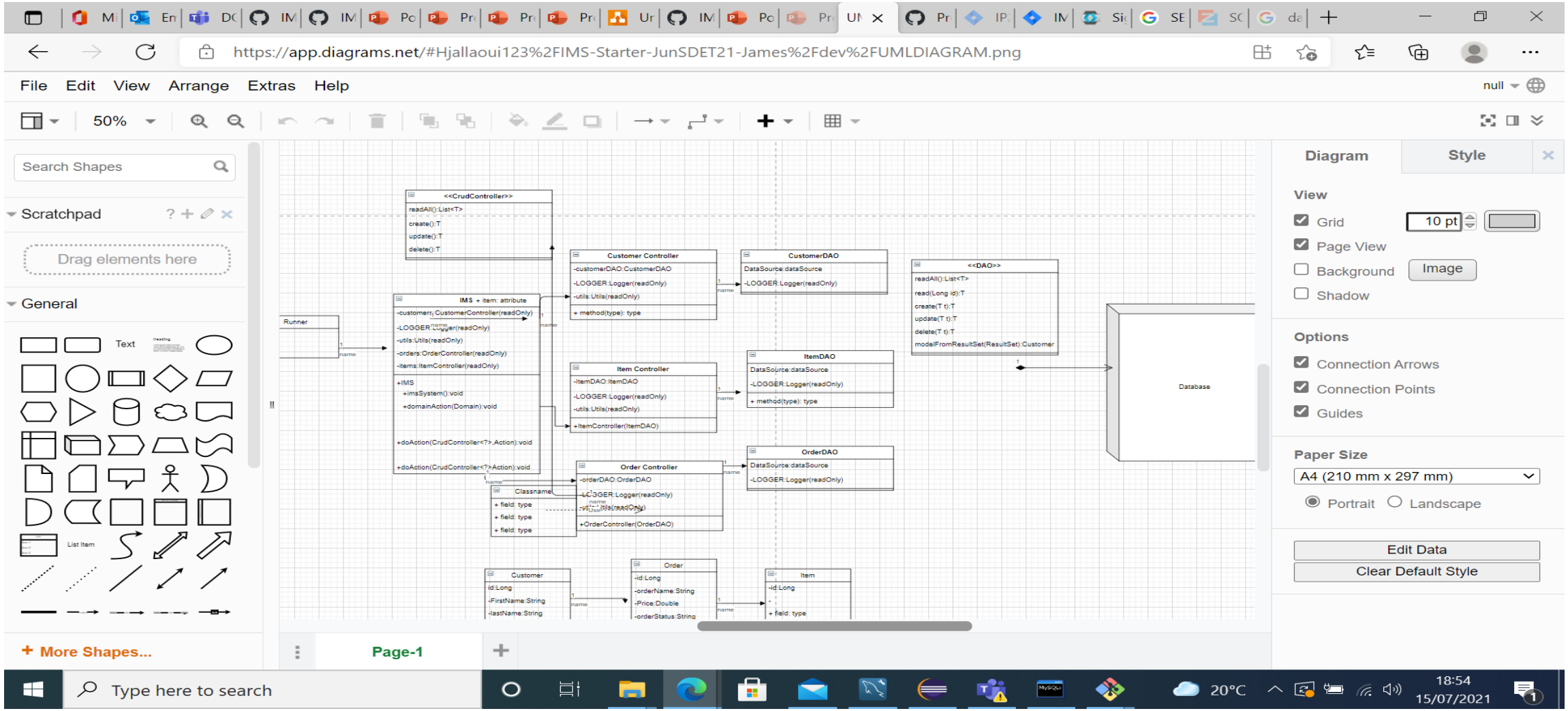
What have I tested?

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





UML Diagram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File Edit View Arrange Extras Help
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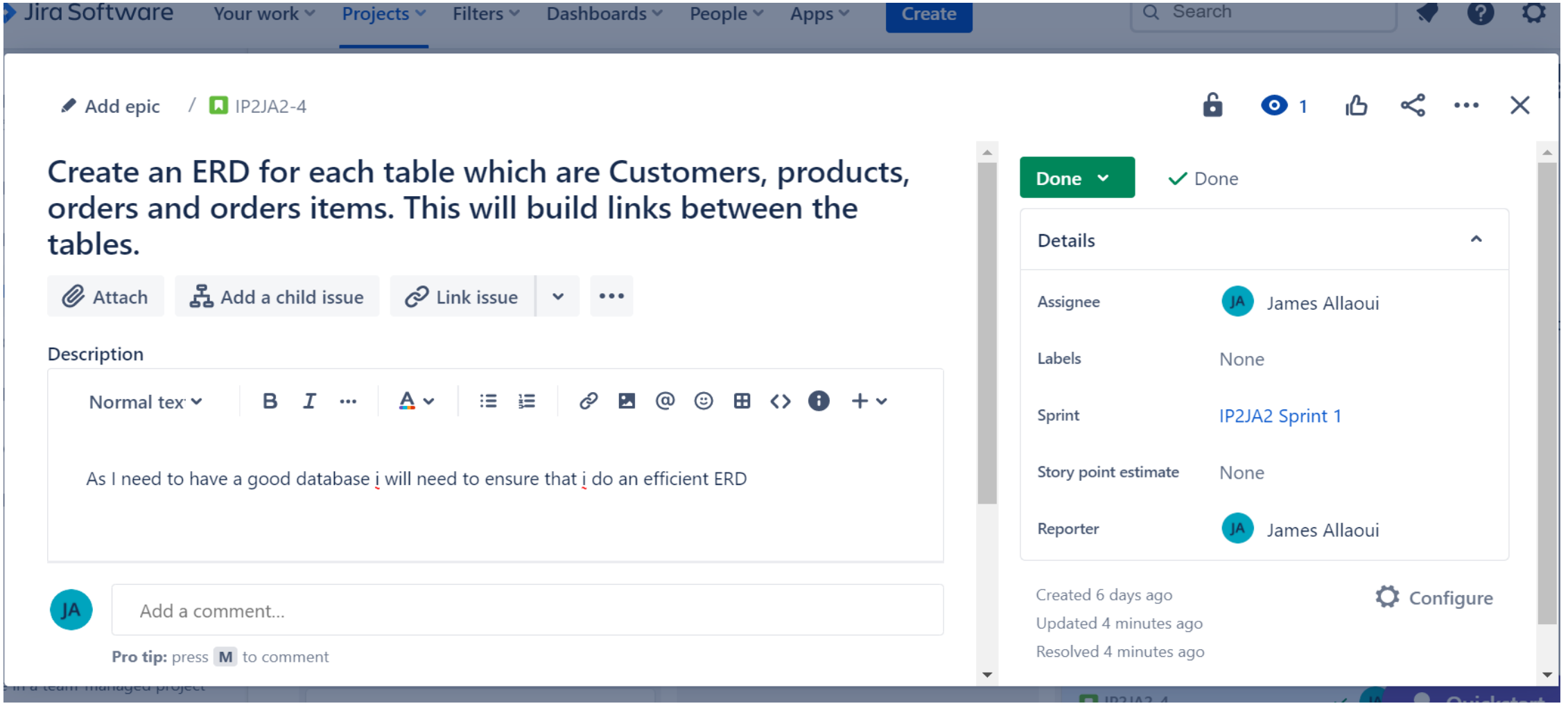
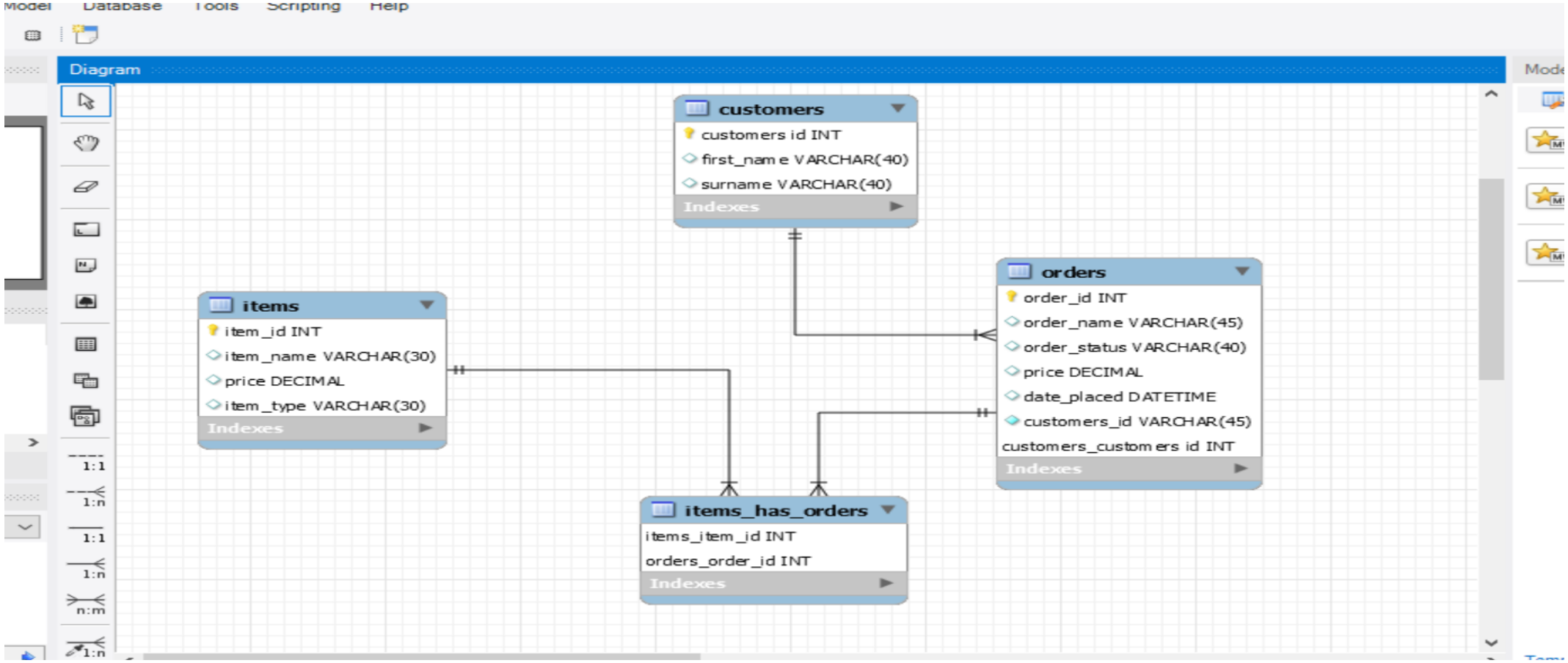
General
+ More Shapes...
Diagram
Style
View
Grid
10 pt
Page View
Background
Image
Shadow
Options
Connection Arrows
Connection Points
Guides
Paper Size
A4 (210 mm x 297 mm)
Portrait
Landscape
Edit Data
Clear Default Style
Page-1
<<CrudController>>
readAll():List<T>
create():T
update():T
delete():T
Customer Controller
-customerDAO:CustomerDAO
-LOGGER:Logger(readOnly)
-utils:Utils(readOnly)
+ method(type): type
CustomerDAO
DataSource:dataSource
-LOGGER:Logger(readOnly)
<<DAO>>
readAll():List<T>
read(Long id):T
create(T t):T
update(T t):T
delete(T t):T
modelFromResultSet(ResultSet):Customer
Runner
IMS + item: attribute
-customers:CustomerController(readOnly)
-LOGGER:Logger(readOnly)
-utils:Utils(readOnly)
-orders:OrderController(readOnly)
-items:ItemController(readOnly)
+IMS
+imsSystem():void
+domainAction(Domain):void
+doAction(CrudController<?>,Action):void
+doAction(CrudController<?>Action):void
Item Controller
-itemDAO:ItemDAO
-LOGGER:Logger(readOnly)
-utils:Utils(readOnly)
+ItemController(ItemDAO)
ItemDAO
DataSource:dataSource
-LOGGER:Logger(readOnly)
+ method(type): type
Database
Order Controller
-orderDAO:OrderDAO
-LOGGER:Logger(readOnly)
-utils:Utils(readOnly)
+OrderController(OrderDAO)
OrderDAO
DataSource:dataSource
-LOGGER:Logger(readOnly)
Classname
+ field: type
+ field: type
+ field: type
Customer
id:Long
-FirstName:String
-lastName:String
Order
-id:Long
-orderName:String
-Price:Double
-orderStatus:String
Item
-id:Long
+ field: type
Type here to search
20°C
18:54
15/07/2021

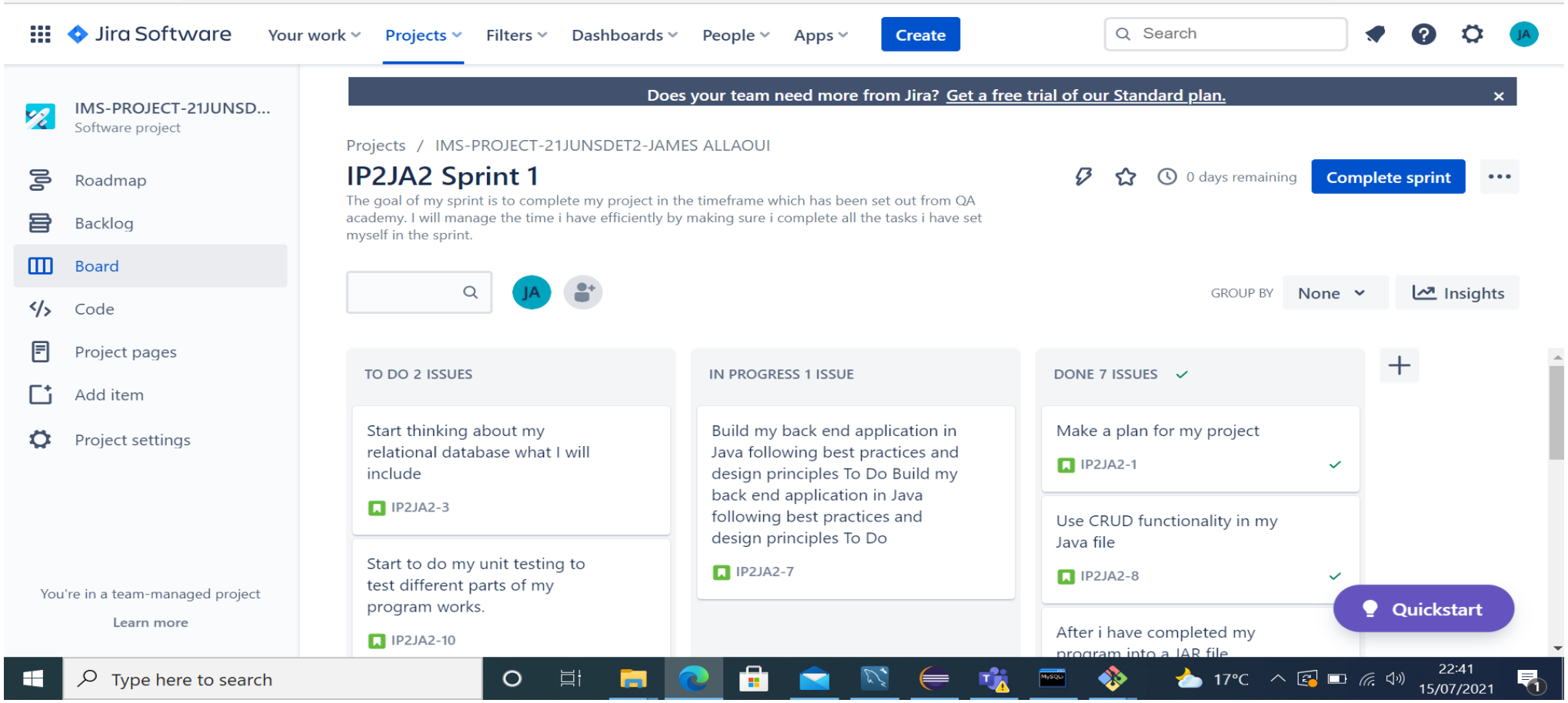
User Stories



User Stories



User Stories



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?