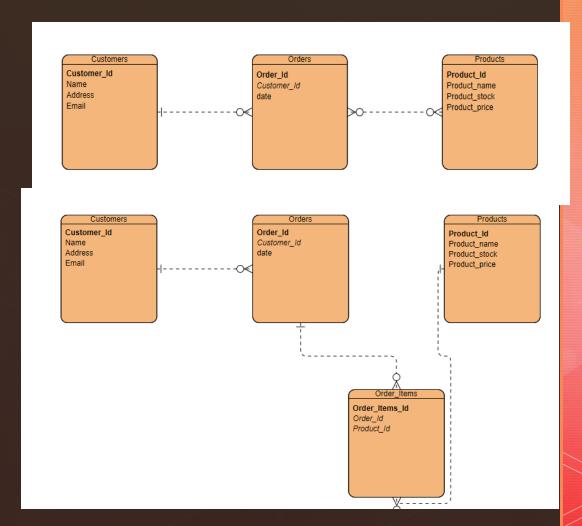
Inventory
Management
System

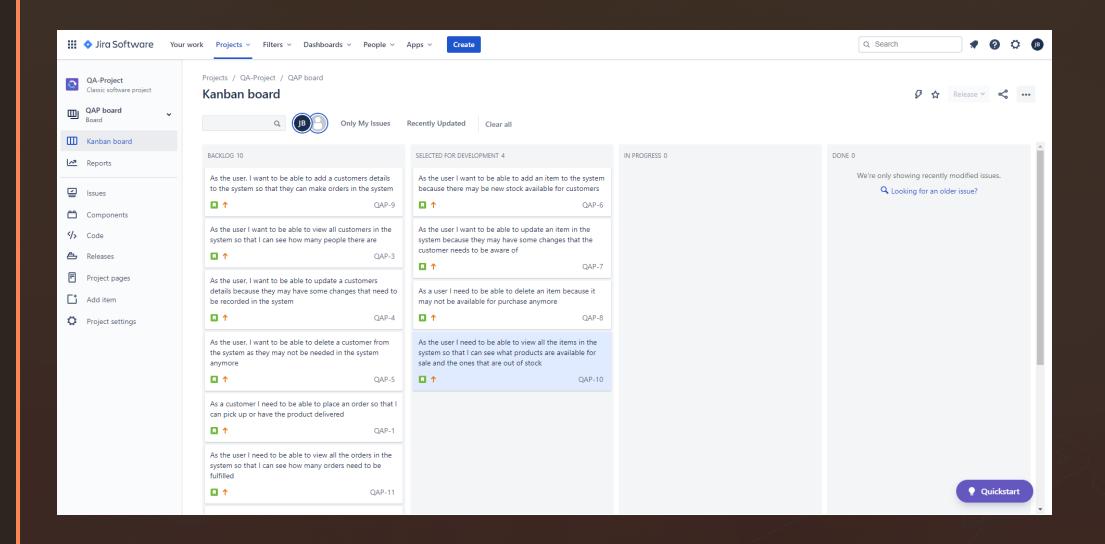


Risk	Response Strategy	Likeliho od (1-5)	Impact	Risk Level
There is the risk of not saving work often enough which could cause work to lost in the event of software/computer crashing	Periodically save the work to ensure that the work completed does not get lost in the event of something crashing.	1	High	50%
There is the risk of falling behind in the project due to utilizing unfamilia r programs	Ensure that the functionality of the program is understood prior to using the program and do some further reading on the program to ensure full understanding of the capabilities and limitations of the program	2	Mediu m	30%
Not having enough time	Plan thoroughly through daily/weekly sprints with tasks each with their own estimations on effort	3	High	60%
Technical issues with my PC	Ensure to push to github frequently and ensure the documentation on the local computer is backed up on a separate storage device or on cloud storage.	1	High	25%

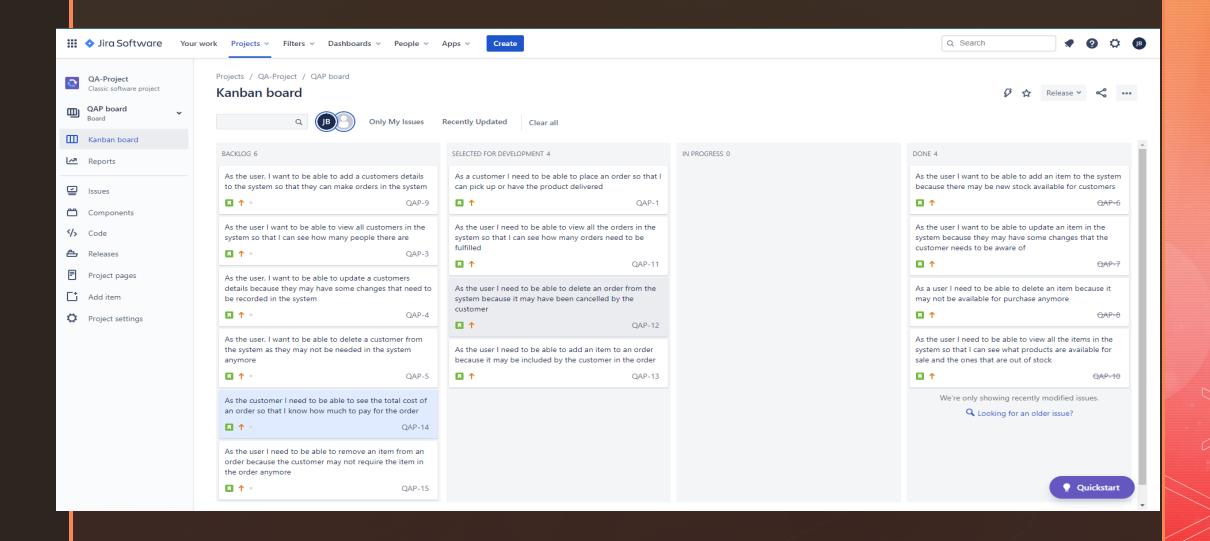
Design - UML Diagram is available to view in the documentation folder in the github



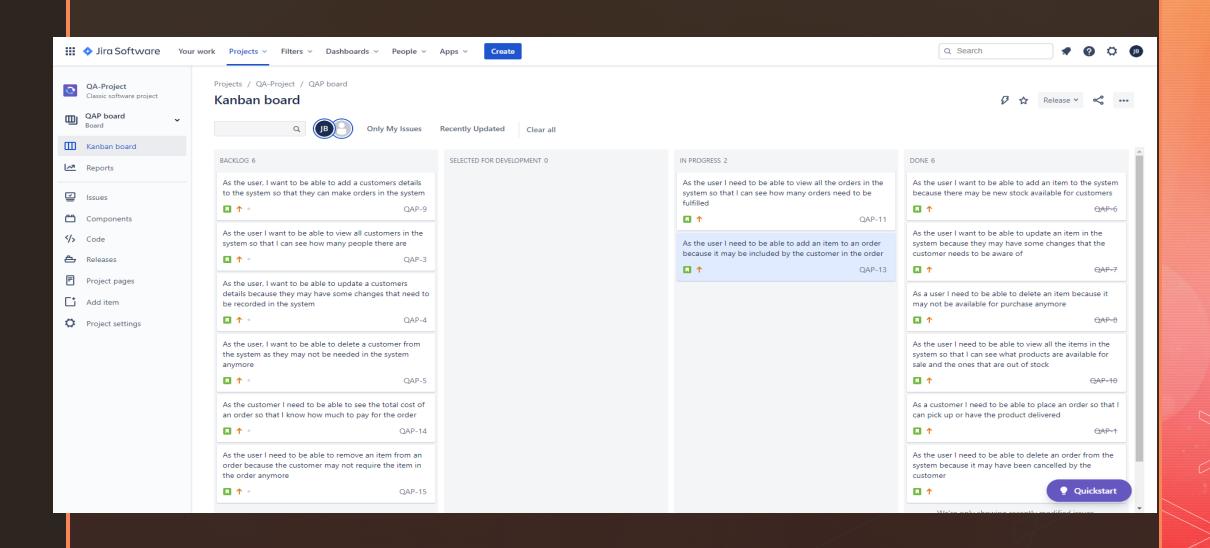
Kanban Board



Kanban Board

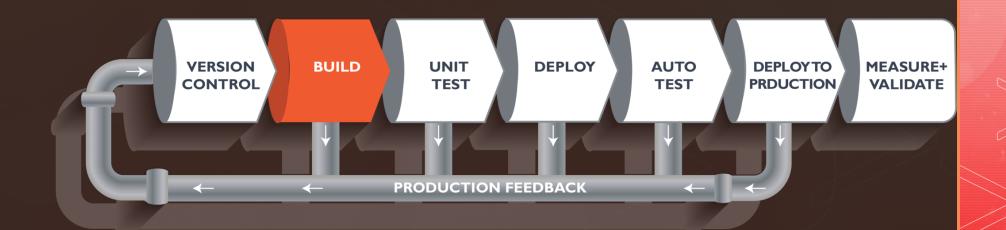


Kanban Board



CI Pipeline

- I. Begin with the database server
- II. Java source code
- III. VCS (Version Control System) Project gets tracked through Jira/Trello
- IV. CI Server such as Jenkins
- V. Build tool Maven when using Java
- VI. Automated testing Junit/Mockito



Consultant Journey

Agile – Kanban board, SCRUM methodology

Source Control – Git and GitHub

Database – MYSQL through MYSQL Workbench

Programming Language – Java

Build tool – Maven

Testing – Mockito and Junit

Testing

- 83.7% test coverage
- 33/33 tests run successfully

Element	Coverage	Covered Instructions	Missed İnstructions	Total Instructions
🗸 📂 ims	83.7 %	3,934	764	4,698
✓	70.8 %	1,842	761	2,603
	62.4 %	383	231	614
> 🗾 Domain.java	0.0 %	0	105	105
> 🗾 Orders.java	77.5 %	165	48	213
> 🗾 Items.java	73.3 %	121	44	165
> 🗾 Customer.java	74.0 %	97	34	131
	0.0 %	0	173	173
> 🗾 IMS.java	0.0 %	0	157	157
> 🗾 Runner.java	0.0 %	0	16	16
	75.0 %	497	166	663
> 🗾 Action.java	0.0 %	0	119	119
> 🗾 OrdersController.java	82.3 %	219	47	266
> 🗾 CustomerController.java	100.0 %	110	0	110
> 🗾 ItemsController.java	100.0 %	168	0	168
	85.7 %	790	132	922
> 🗾 CustomerDAO.java	74.7 %	183	62	245
> 🗾 ItemsDAO.java	77.8 %	217	62	279
> 🗾 OrderDAO.java	98.0 %	390	8	398
	74.5 %	172	59	231
> 🚺 Utils.java	33.3 %	23	46	69
> 🗾 DBUtils.java	92.0 %	149	13	162
> 👺 src/test/java	99.9 %	2,092	3	2,095

DEMO

- What went well:
- Getting CRUD functionality out of each object.
- Keep track of what is left to be completed
- Testing turned out to be slightly above the industry standard

Sprint Review

- What didn't go well:
- Some features could be improved on
- Some features were implemented but not accessible
- Slightly better time management

Improvements

- Implementing Jira with GitHub from start of project
- Planning poker
- More in-depth risk assessment