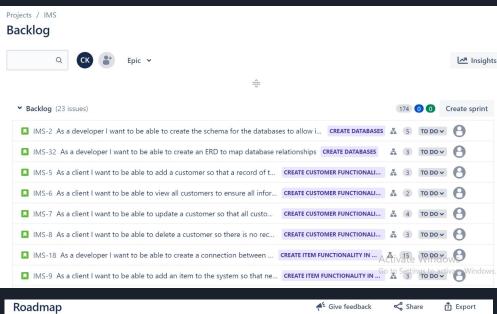


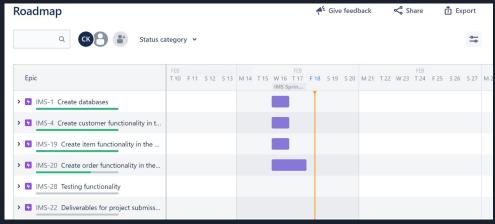
Conor Kelly

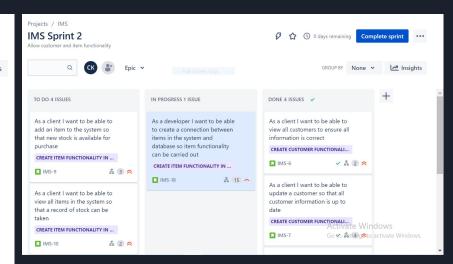


	Impact							
		Negligible 1	Minor 2	Moderate 3	Major 4	Catastrophic 5		
	Almost certain 5	Moderate 5	High 10	Extreme 5	Extreme 20	Extreme 25		
Likelihood	Likely 4	Moderate 4	High 8	High 12	Extreme 16	Extreme 20		
	Possible 3	Low 3	Moderate 6	High 9	High 12	Extreme 15		
	Unlikely 2	Low 2	Moderate 4	Moderate 6	High 8	High 10		
	Rare 1	Low 1	Low 2	Low 3	Moderate 4	Moderate 5		

Risk	Likelihood	Impact	Risk Rating	Preventative Measures	Response	
Run out of time	4	3	12	Complete tasks with higher prioritisation first and start tasks with higher story points earlier. Refer to kanban board	Complete the tasks for all user stories that you can with the time you have left. If you ran out of time due to personal or unforeseen circumstances, talk to project trainer	
Loss of files	2	4	8	Push all files and commits to your Github repository regularly as well as always saving files	Use last saved peice of work or most recent work from Github to build your code/databases again	
Poor quality code	3	2	6	Test code frequently and use best pratises learnt throughout the Java teaching	Resolve bugs and logical errors when they're found	
Low productivity	5	2	10	Set goals during the project using the SMART technique	Take time away from the project to clear your mind and come back to it feeling fresh	
Inaccurate estimations	4	4	16	Focus on the work that has immediate priority. Include techspikes - allocated time to research an unfamiliar part of the project	Work on project out of training hours. Talk to the project trainer and explain the circumstances	
Poor risk management	2	2	4	Identify potential risks and the likelihood of them. Create risk mitigation plans and carefully monitor the risks	Create a risk assessment upon the first encounter with a risk in order to prevent any other risks from occuring or taking too much time out of the project	





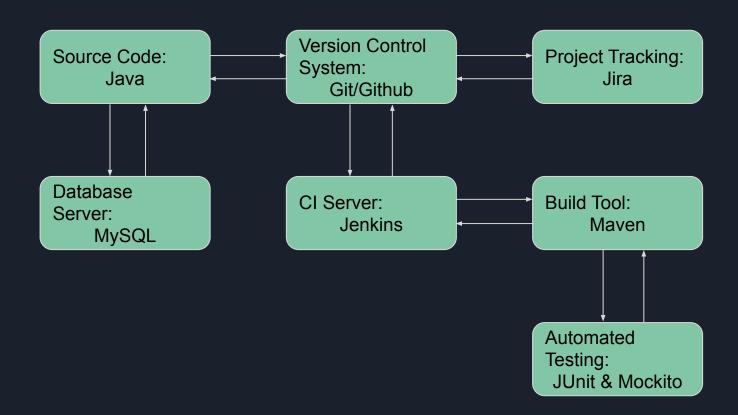


Project Planning - Jira

Consulting Journey

- Agile Jira (Scrum, Kanban)
- O2 Source Control Git, Github
- Relational Databases MySQL
- O4 Programming Language Java
- 05 IDE Eclipse
- 06 Build Tool Maven
- 7 Testing JUnit, Mockito

CI Pipeline



Approach to version control

master/main -> dev > features

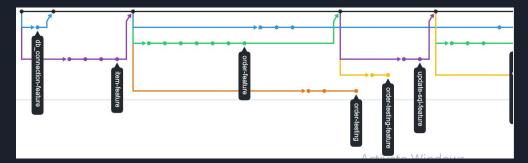
Separate feature branches used for all groupable software implementations/changes

Order-feature branch used to create and make changes to Order.java,
 OrderDAO.java and OrderController.java

Once each task is completed, changes are committed pushed to the local repository

Feature branches get merged with the dev branch

When 100% confident your code is complete, the dev branch gets merged to the master/main branch

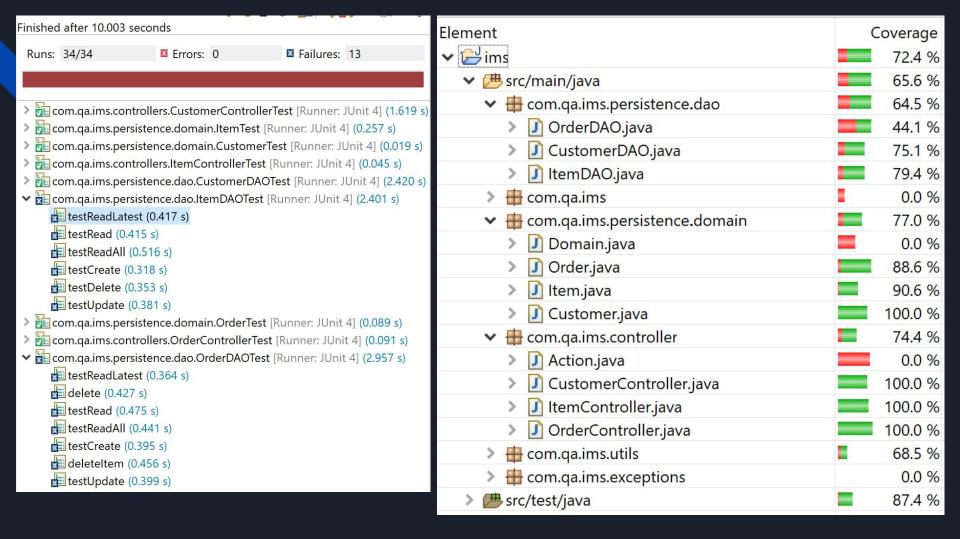




What was tested?

Customer, Item & Order:

- Domain: equals method
- Controllers: CRUD functionality with user input
- Data Access Objects: Methods interaction with the database



DEMO





COMPLETE

INCOMPLETE

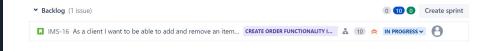
CRUD functionality for:

- Items
- Orders

Calculate the cost of an order

Testing (with failures)

Adding and deleting items from an order



Sprint Retrospective

WHAT WENT WELL

IMPROVEMENTS

Project planning

Database handling

Creating CRUD functionalities for items and orders

Improve java knowledge all around, especially on ArrayLists and how to manipulate them in methods

Testing

Time management

Debugging

User interface

