

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light mint green. They are positioned diagonally, with the blue one partially covering the green one.

IMS Project

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Technologies used

- Version Control System: Git
- Source Code Management System: GitHub
- Project Management System: Jira
- Database Management System: MySQL
- Back-End Programming Language: Java
- Build Tool: Maven
- Unit Testing: JUnit (with mockito)



Version Control: github

The plan for my use of github...

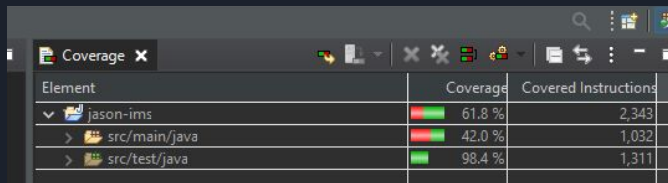
- Make regular commits
- Have many feature branches
- Have a dev branch
- Merge features to dev
- Merge dev to main

The reality for my use of github...

- A few commits with large changes
- Very few feature branches

Testing

Src/main/java at 42%



The screenshot shows a 'Coverage' window from an IDE. It contains a table with three columns: 'Element', 'Coverage', and 'Covered Instructions'. The data is as follows:

Element	Coverage	Covered Instructions
▼ jason-ims	61.8 %	2,343
> src/main/java	42.0 %	1,032
> src/test/java	98.4 %	1,311

IMS Demonstration

Domain: Add a **Customer** to the system



User Story: “As a user I would like to add a new customer to the database so they can make orders”

<input checked="" type="checkbox"/> PIQ-15	SQL database with 4 tables; customer, item, order and orderline.	DONE	
<input checked="" type="checkbox"/> PIQ-2	As a user I would like to be able to view all customers in the system so that I can see everyone in the database.	DONE	
<input checked="" type="checkbox"/> PIQ-3	As a user I would like to update a customers details so that changes can be made to their information at any time.	DONE	
<input checked="" type="checkbox"/> PIQ-4	As a user I would like to delete customers in the system so that personal information can be deleted from the database when required.	DONE	
<input checked="" type="checkbox"/> PIQ-6	As a user I would like to view all items in the system so that I can see what games I have for sale.	DONE	
<input checked="" type="checkbox"/> PIQ-5	As a user I would like to add an item to the system so that it is available to be ordered.	DONE	
<input checked="" type="checkbox"/> PIQ-9	As a user I would like to create an order for a customer so that they can purchase an item.	DONE	
<input checked="" type="checkbox"/> PIQ-22	As a user I would like to add a new customer to the database so that they can make orders.	DONE	



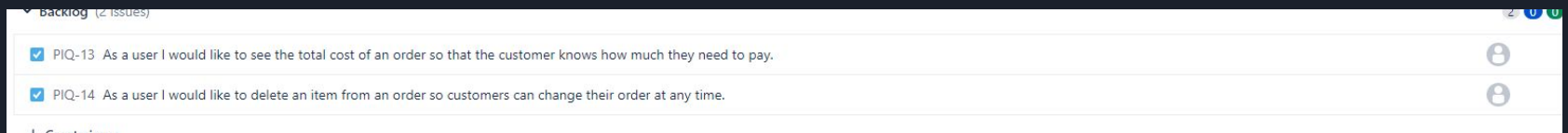
Sprint Review and retrospective

What went well

- Most sprints were completed
- Build Success with maven
- Testing showed where my code was weak

What could be improved

- Some of the missing sprints were quite important and should of been implemented
- My use of github needs to be more efficient
- I should of kept the “failing test” results on the page





Conclusion

- Overall the project was a good learning experience
- Enjoyed learning what goes into making an IMS
- I will continue to develop my skills to become a better software developer
- Improve my use of github



Questions



The End