

IMS Project

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My Approach

- Reviewed the specification document
- Extracting any key information and made notes
- Researched any key areas I was unsure about
- Split up tasks and created project management board
- ERD diagram
- Began development

What have I
learned?

Googling/Problem Solving



Q how do i make an inventory management system java



Google Search

I'm Feeling Lucky

Mockito & JUnit



JUnit

A few others

Java

MySQL

Jira

GitKraken

Eclipse

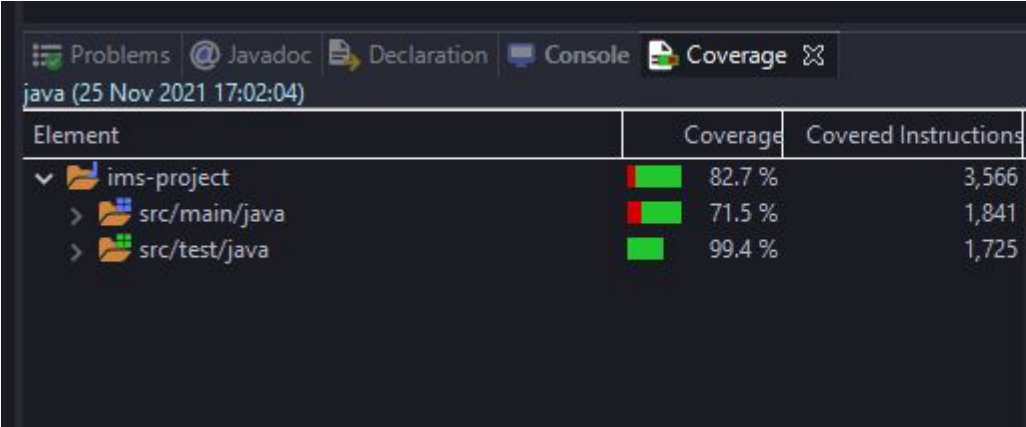
ERDs & UMLs

Continuous Integration




- Implemented the feature-branch model
- Split tasks up in Jira
- Committing code with Git
- Made pull requests with Github
- Merging feature branches into dev
- Used GitKraken for easier client side management

Testing

- Controllers
- DAOs
- Domains



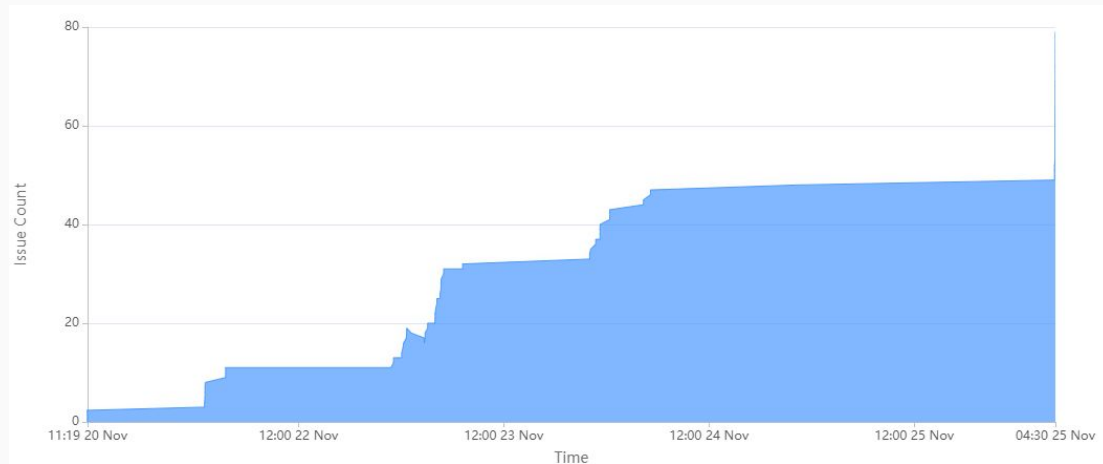
The screenshot shows the 'Coverage' tab in an IDE. The title bar indicates 'java (25 Nov 2021 17:02:04)'. The table below lists the coverage for the 'ims-project' and its subdirectories.

Element	Coverage	Covered Instructions
ims-project	 82.7 %	3,566
src/main/java	 71.5 %	1,841
src/test/java	 99.4 %	1,725

*Subject to change!

Quick Demo

Sprint Review - Completed



Sprint Review - Incomplete

- NGS-23 Version Control
- NGS-89 Final Build

Sprint Review Conclusion

What went well?

- Almost the entire coding phase
- Database Design
- Jira board development
- UML Design

What could be improved?

- Testing phase
- Having internet
- Splitting up orders

Final thoughts

- Had a lot of fun
- Was thrown off a little being given a half built project
- Explore simplifying code to make writing tests easier
- Thorough planning helped
- Working smart and efficiently (not going too fast)

Questions?