

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 light green. They are positioned diagonally, with the blue one partially covering the green one.

Inventory Management System - IMS



Introduction - Who I am

- Full Stack Developer
- Worked as an intern and contractor for a startup company based in Canada
- Serving as a part-time team lead for my bootcamp



Introduction - Approach

- Read through the specs as a whole
- Created my Jira board
- Bottom-up approach

Database -> Domains -> Data Access Objects -> Controllers



Technologies Learned and Used

- Jira for project management
- GitHub for version control
 - Feature-branch model
- MySQL for my database
- Java for the application
 - JUnit and Mockito for Testing
 - Maven for building the artefact



Testing

- Unit Tests for entities
- Current Coverage is 94%
- Tests were done with 'Single Responsibility' in mind
- Tests were done to focus on each class's behavior
- 3 Tests files for EACH entity
 - 1 for Domain (Customer, Item, Order)
 - 1 for Data Access Objects (CustomerDAO, ItemDAO, OrderDAO)
 - 1 for Controllers (CustomerController, ItemController, OrderController)



Sprint Review

Completed:

1. MVP
2. Tests

What could be improved:

1. OrderDAO tests to use Mockito instead of interacting with a test database
2. Consistency in messages rendered
3. Consistency in user-expected input (i.e. all inputs should just be IDs and Letters instead of others being words)
4. Use of enums where appropriate



Sprint Retrospective

What went well?

1. Time management
2. Workflow

What can be improved?

1. Coming up with better user stories
2. Creating more precise UMLs
3. Java understanding