

# INVENTORY MANAGEMENT SYSTEM PROJECT

By Isabella O'Hara

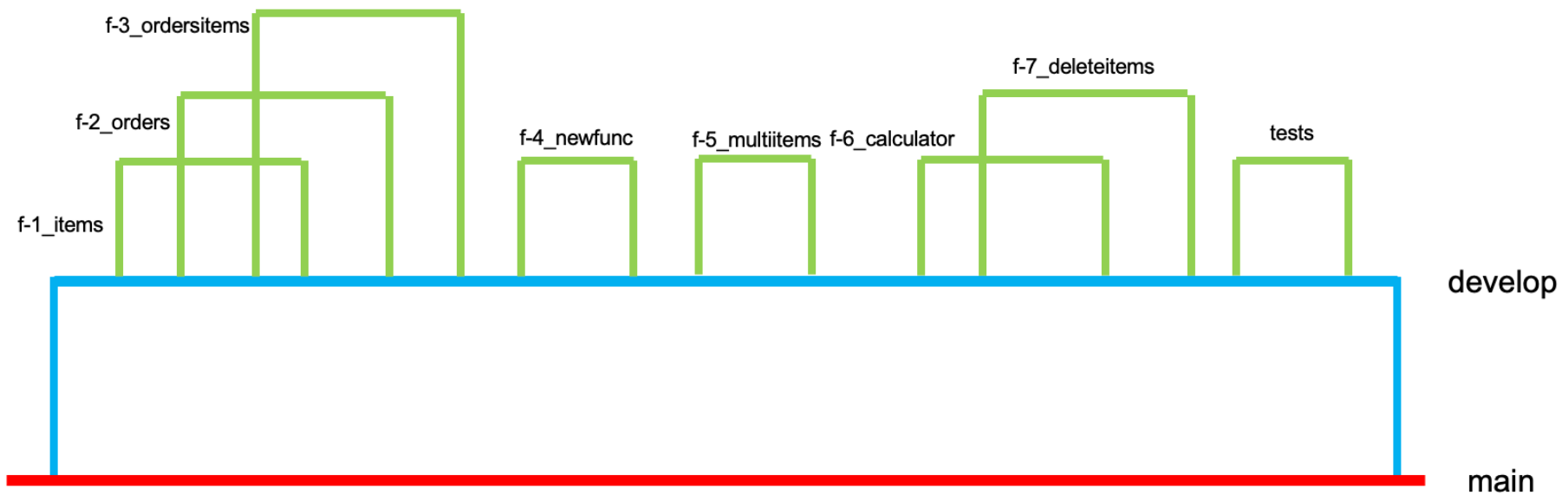
# APPROACH

- Bella, 22, Ecological and Environmental Sciences (Edinburgh University).
- DAY 1: Planning
  - JIRA board, user stories, risk assessment, database structure (ERD).
- DAY 2-5: Coding
  - Reaching the MVP.

# CONSULTANT JOURNEY

- Git, Java, JIRA, JUnit, MySQL
- The purpose of git.
- Significantly more confident with Java.

# CI – VERSION CONTROL



# TESTING

- Current coverage: 61.1%
- Domain classes (JUnit)
- Controller classes (using Mockito)
- DAO classes (JUnit)

Coverage X				
java (25 Aug 2022 16:16:44)				
Element		Coverage	Covered Instructions	Missed Instructions
IMS-22JulyEnable3		72.6 %	2,967	
src/main/java		61.1 %	1,668	
com.qa.ims.persistence.dao		58.5 %	618	
OrdersItemsDAO.java		40.3 %	118	
OrdersDAO.java		54.3 %	144	
CustomerDAO.java		67.9 %	169	
ItemsDAO.java		75.1 %	187	
com.qa.ims.controller		66.3 %	440	
Action.java		0.0 %	0	
OrdersController.java		49.5 %	103	
CustomerController.java		100.0 %	109	
ItemsController.java		100.0 %	111	
OrdersItemsController.java		100.0 %	117	
com.qa.ims		0.0 %	0	
com.qa.ims.persistence.domain		73.9 %	440	
Domain.java		0.0 %	0	
Items.java		79.5 %	101	
Orders.java		78.9 %	75	
OrdersItems.java		95.7 %	89	
Customer.java		100.0 %	175	
com.qa.ims.utils		68.5 %	170	
com.qa.ims.exceptions		0.0 %	0	
src/test/java		95.7 %	1,299	

# DEMONSTRATION

User stories:

1. As an employee, I want to add an item into the system, so that I can put new items in the inventory.
2. As an employee, I want to add an item to an order so that customer's orders contain items, and they can order multiples of the same item.
3. As an employee, I want to delete an order from the system so that a customer can cancel their order.

## SPRINT REVIEW

- Completed all my user stories to reach my defined MVP (CRUD functionality).
- Only missing my price calculator functionality (as of right now).
- Some areas of code are still quite 'clunky'.

# CONCLUSIONS



QUESTIONS