

Fundamental project presentation for an Inventory Management System

BY GEORGE WHYTE



Approach

Revising the template code

Setting up using diagrams

Developing the syntax

Testing the syntax

Technologies used for this project

MySQL- Database, ERD etc.

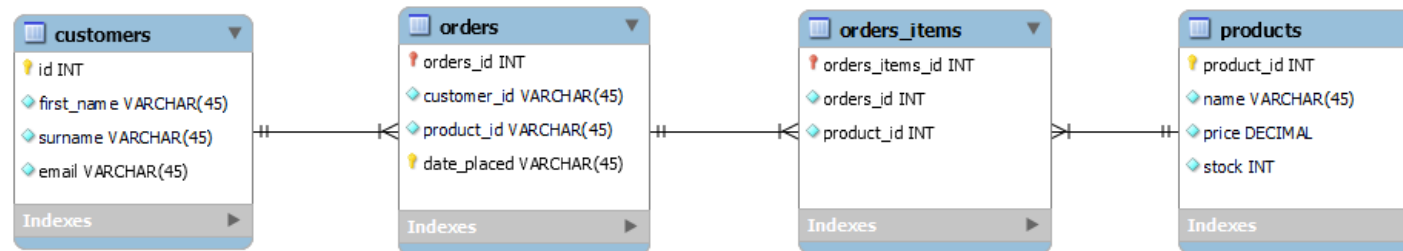
Jira- planning etc.

Java(Eclipse)- Syntax creation.

JUnit- Testing the java syntax

GitHub- Branch control

```
1 • INSERT INTO `imstest`.`customers` (`first_name`, `surname`) VALUES ('jordan', 'harrison');
2 • INSERT INTO `imstest`.`items` (`name`, `price`) VALUES ('Ernie ball Strings', '5.4');
3 • INSERT INTO `imstest`.`items` (`name`, `price`) VALUES ('Adapter', '3.50');
4 • INSERT INTO `imstest`.`items` (`name`, `price`) VALUES ('Sausage', '4.00');
5 • INSERT INTO `imstest`.`items` (`name`, `price`) VALUES ('EMG humbuckers', '145.23');
6 • INSERT INTO `imstest`.`orders` (`customer_id`) VALUES (1);
7 • INSERT INTO `imstest`.`orders_items` (`orders_id`, `item_id`) VALUES (1,1);
```



SQL Example

CI- Version control

The use of GitHub was implemented to track version control including-

1. Working on branches where appropriate
2. Merge individual branches to dev
3. Merge to main once all branches are merged to dev (No conflicts)



Testing- what was tested?

Controllers



DAO's

Domain

IMS-Starter-JuneSDET21-George2	<div><div></div><div></div></div>	75.5 %
src/test/java	<div><div></div><div></div></div>	96.6 %
> com.qa.ims.persistence.domain	<div><div></div><div></div></div>	100.0 %
> com.qa.ims.persistence.dao	<div><div></div><div></div></div>	95.1 %
> com.qa.ims.controllers	<div><div></div><div></div></div>	95.0 %
> src/main/java	<div><div></div><div></div></div>	62.6 %





All tested- reached a coverage of 75.5% not quite the 80% (shows work is needed)

User stories

 Add epic /  ISJG-12

  1   ... 

Create UML diagram

 Attach  Add a child issue  Link issue 

Description

As a developer, I want to create a UML diagram to visualize the project and see how everything is working together

Activity

Show:  All  Comments 

Newest first 

 GW

Add a comment...

Pro tip: press  to comment



Done 

 Done

Pinned fields

Click on the  next to a field label to start pinning.

Details

Assignee	 Unassigned
Labels	None
Sprint	ISJG Sprint 1
Story point estimate	
Reporter	 George Whyte

Created 3 days ago

Updated yesterday

Resolved yesterday





 Configure

User stories

 Add epic /  ISJG-11

  1   ... 

Test through JUnit with the syntax created

 Attach  Add a child issue  Link issue 

Description

As a developed, I want to be able to test the syntax to see if it can succesffully be implemented into an application

Activity

Show:   

Newest first 



Add a comment...

Pro tip: press  to comment




Done 

 Done

Pinned fields

Click on the  next to a field label to start pinning.

Details

Assignee	 Unassigned
Labels	None
Sprint	ISJG Sprint 1
Story point estimate	 7
Reporter	 George Whyte

Created 6 days ago

Updated 7 minutes ago

Resolved 7 minutes ago

 Configure

Sprint review

All but one story was completed

Unfortunately the last could not be completed

TO DO	IN PROGRESS 1 ISSUE	DONE 13 ISSUES ✓
	<div>Add an item to an order and calculate the cost for an order ISJG-9 4</div>	<div>Engage in the template code to get familiar with it ISJG-13 ✓ 3</div> <div>Create database ISJG-14 ✓ 1</div> <div>Create an ERD to illustrate relationships between entities and upload documentation ISJG-1 ✓ 3</div> <div>Create tables based off the ERD ISJG-2 ✓ 2</div> <div>Add customers to the system and view them ISJG-3 ✓ 2</div> <div>Update and delete customers in the system ISJG-4 ✓ 2</div> <div>Add and view items in the system</div>

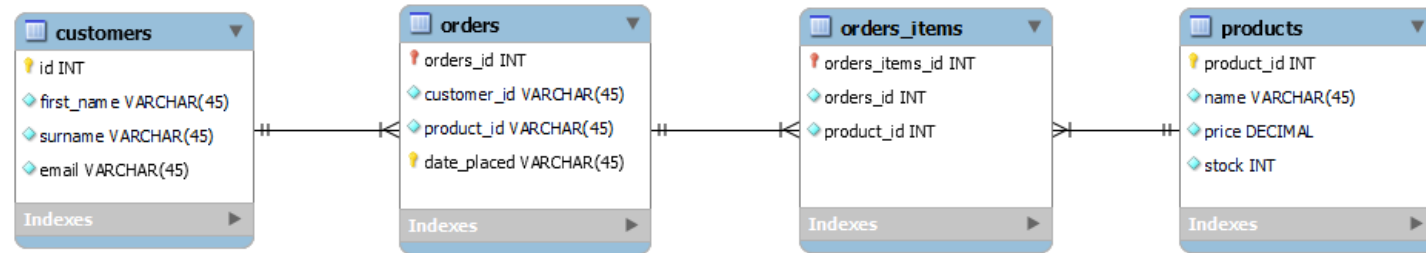
Sprint retrospective

Overall I am happy with the completion of all bar 1 issues.

Improvements could be made regarding Java and testing.

Happy with getting familiar with the best practice material such as story points, user stories etc.

Conclusion



In conclusion this project was partially a success

- Aspects such as documentation, sprint and some code went well
- Through the IMS I was able to gain an understanding of what a functional application may look like
- The future- Practice Java and testing, while integrating best practice for a business environment (e.g- sprints, github).

Thank you for your time and patience

