Fundamental project presentation for an Inventory Management System

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Approach

Revising the template code

Setting up using diagrams

Developing the syntax

Testing the syntax

Technologies used for this project

MySQL- Database, ERD etc.

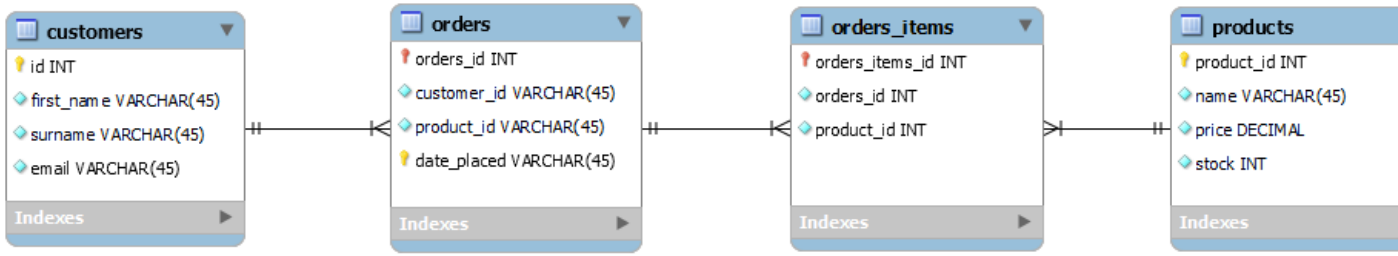
Jira- planning etc.

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-

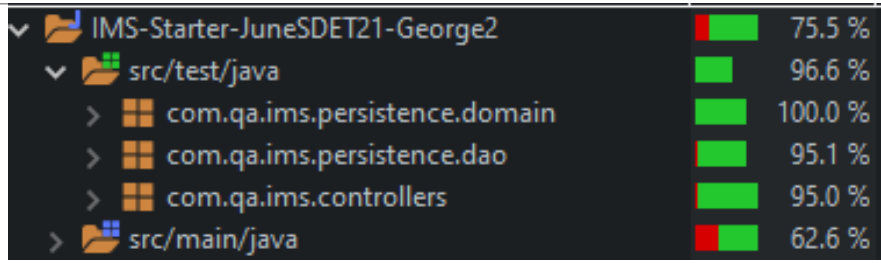
1. Working on branches where appropriate
2. Merge individual branches to dev
3. Merge to main once all branches are in merged to dev (No conflicts)

Testing- what was tested?

Controllers

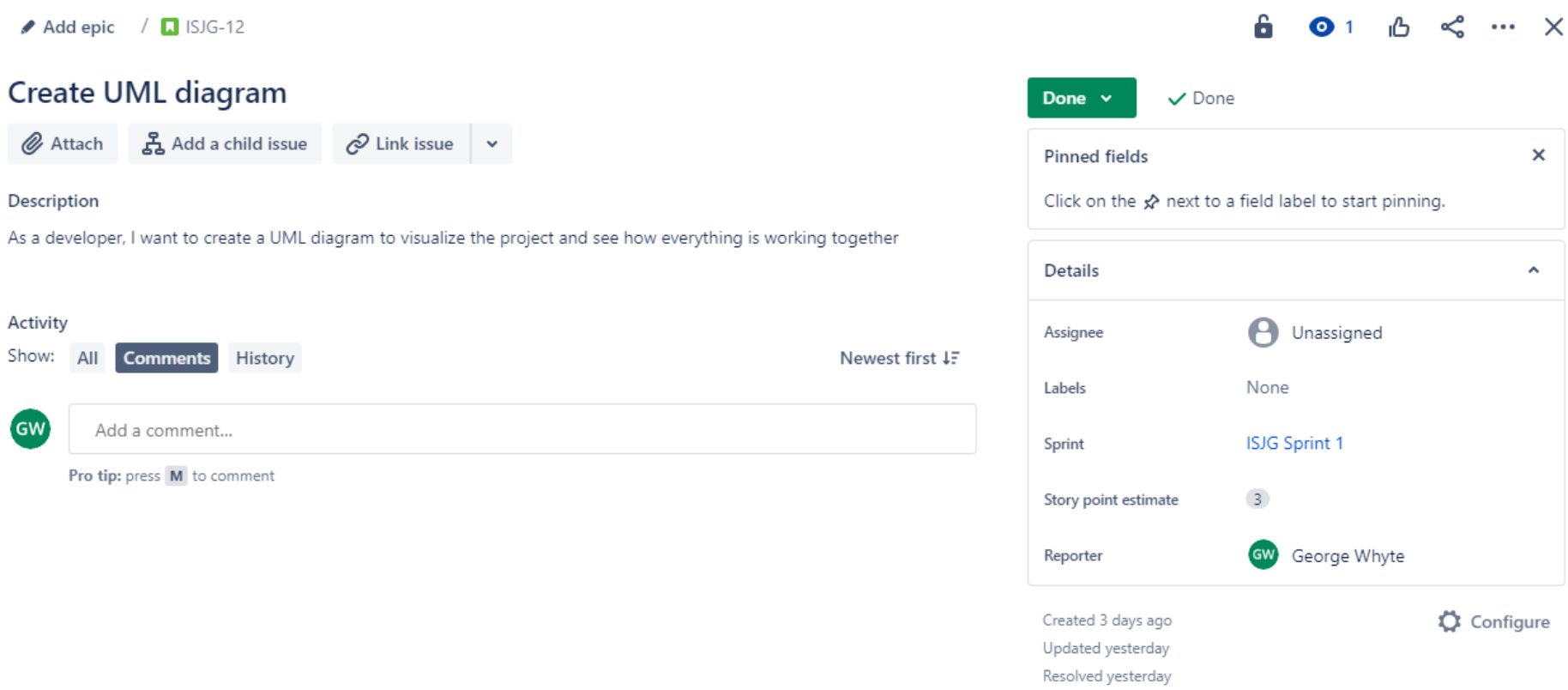
DAO’s

Domain

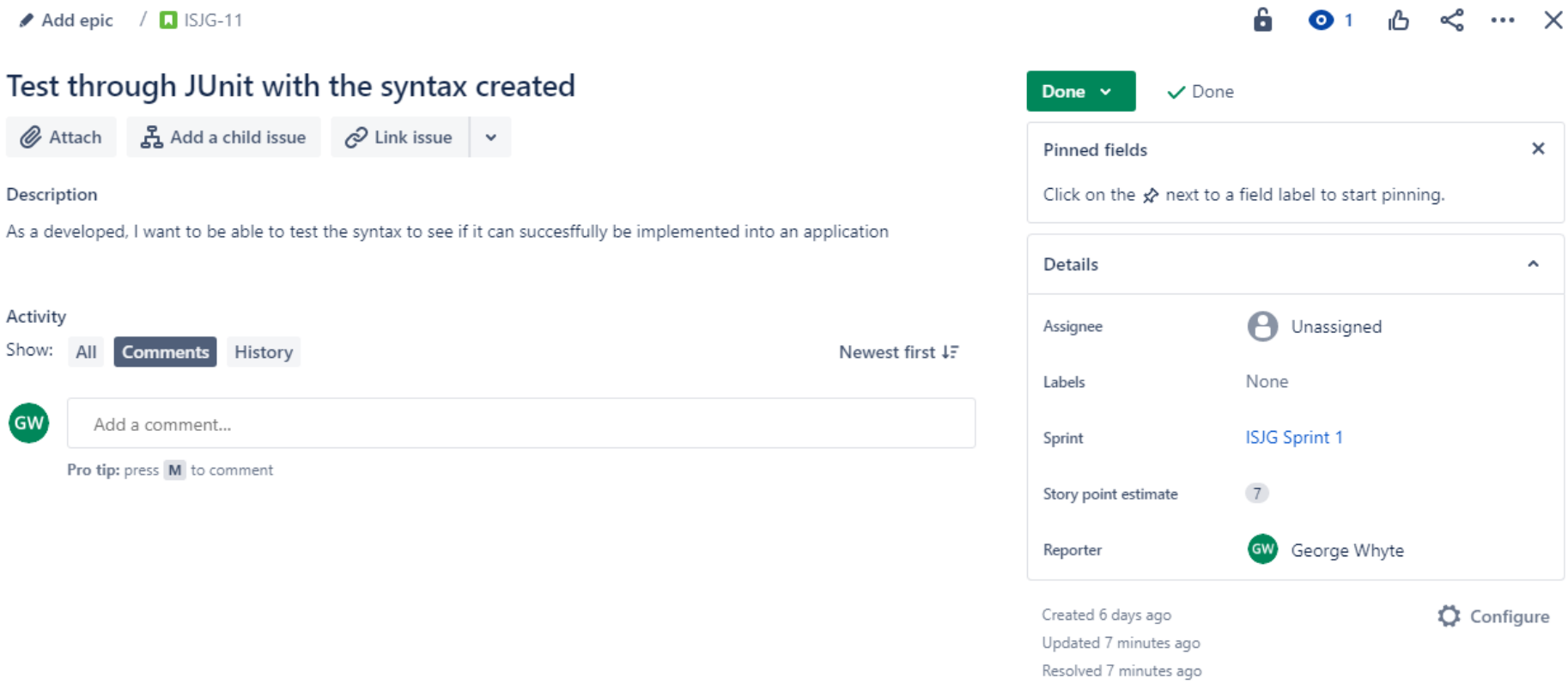


All tested- reached a coverage of 75.5% not quite the 80% (shows work is needed)

User stories



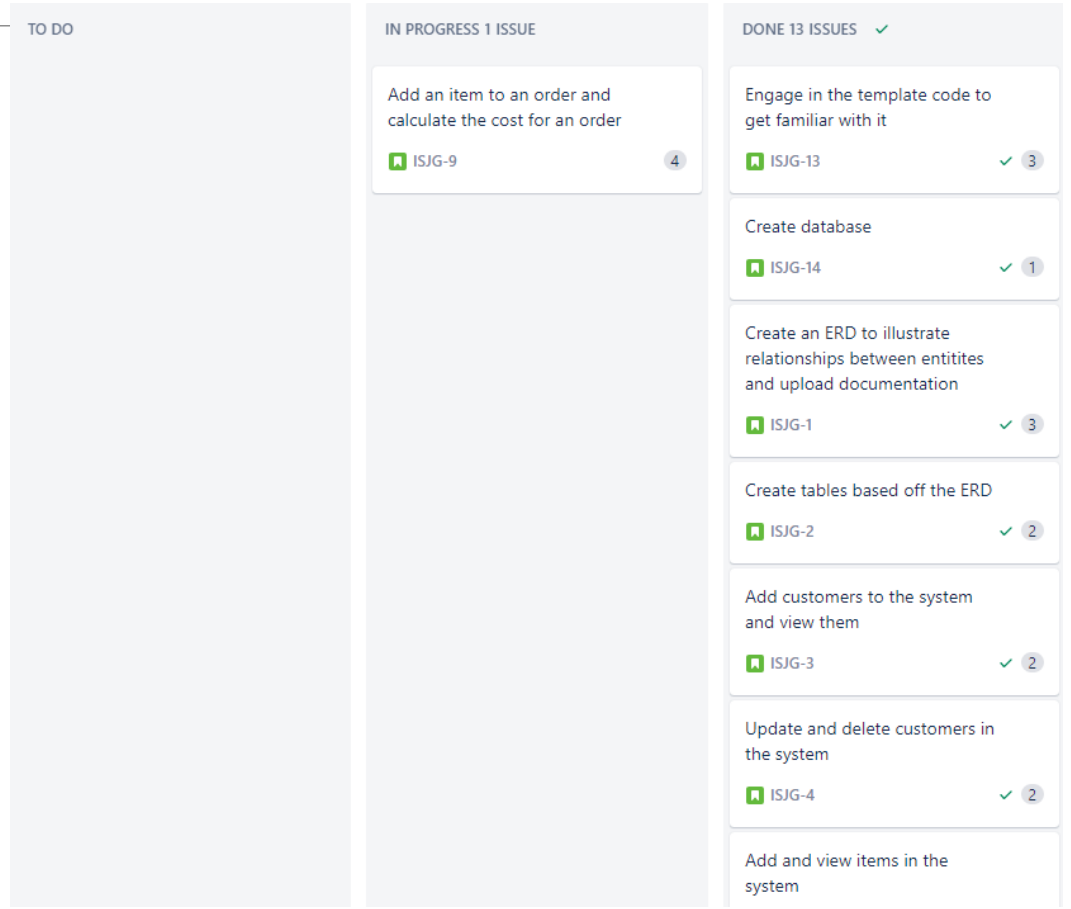
User stories



Sprint review

All but one story was completed

Unfortunately the last could not be completed



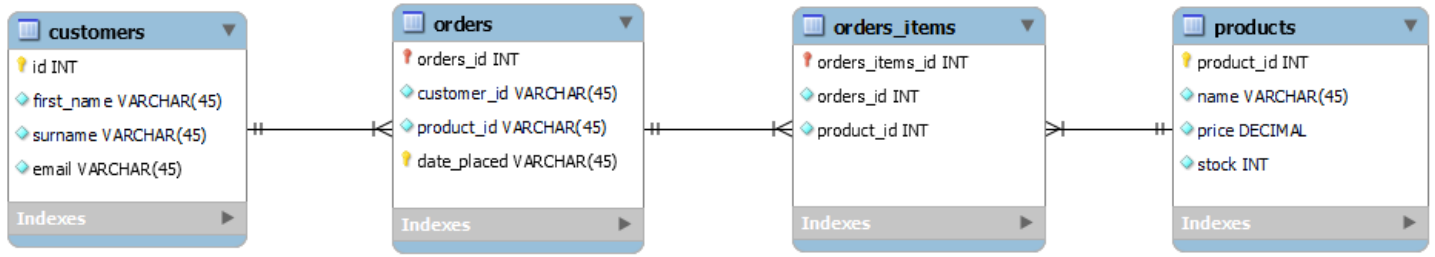
Sprint retrospective

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