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# IMS PRESENTATION

By Leaf Cooper

# Approach

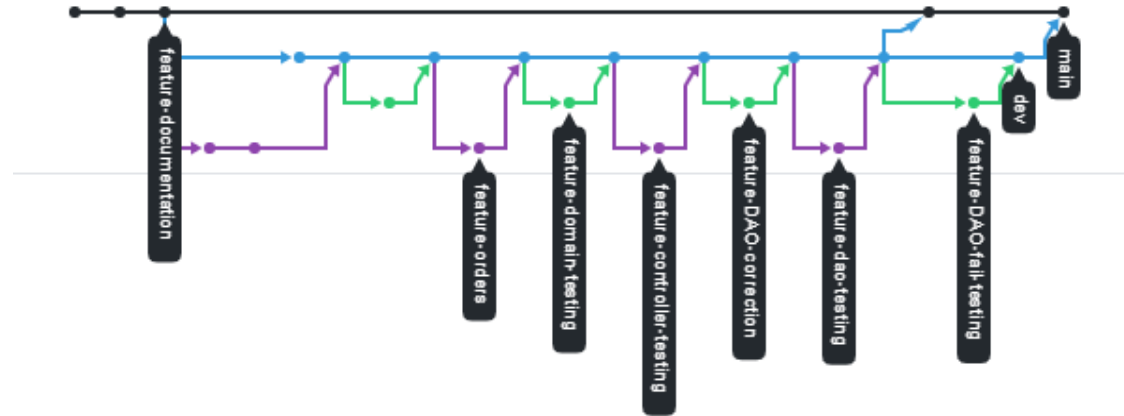
- Exploration
- Set up
- Development
- Testing
- Documentation

# Technologies

- Java
- Eclipse
- Maven
- JUnit
- SQL
- Jira
- Git/github

# Version Control

- Git/github was used to track version control
- Work was done on feature branches which were merged into a dev branch
- Once dev branch become stable and operational, would be merged into main



# Unit Testing

- Tested all self-implemented features (controllers, DAO etc)
- Ensured to test fail conditions on DAO classes
- Ensured all tests passed and obtained 80% coverage

```
> com.qa.ims.persistence.dao.OrderDAOFailTest [Runner: JUnit 4] (0.670 s)
> com.qa.ims.persistence.domain.ItemTest [Runner: JUnit 4] (0.282 s)
> com.qa.ims.controllers.ItemControllerTest [Runner: JUnit 4] (0.779 s)
> com.qa.ims.persistence.dao.ItemDAOTest [Runner: JUnit 4] (0.874 s)
> com.qa.ims.controllers.OrderControllerTest [Runner: JUnit 4] (0.113 s)
> com.qa.ims.persistence.dao.OrderItemDAOTest [Runner: JUnit 4] (0.358 s)
> com.qa.ims.controllers.CustomerControllerTest [Runner: JUnit 4] (0.010 s)
> com.qa.ims.persistence.dao.OrderDAOTest [Runner: JUnit 4] (0.306 s)
> com.qa.ims.persistence.domain.OrderTest [Runner: JUnit 4] (0.019 s)
> com.qa.ims.persistence.domain.OrderItemTest [Runner: JUnit 4] (0.016 s)
> com.qa.ims.persistence.dao.CustomerDAOFailTest [Runner: JUnit 4] (0.010 s)
> com.qa.ims.persistence.dao.OrderItemDAOFailTest [Runner: JUnit 4] (0.010 s)
> com.qa.ims.persistence.dao.CustomerDAOTest [Runner: JUnit 4] (0.291 s)
> com.qa.ims.persistence.domain.CustomerTest [Runner: JUnit 4] (0.017 s)
> com.qa.ims.persistence.dao.ItemDAOFailTest [Runner: JUnit 4] (0.007 s)
```




java (14 Jul 2021 15:17:45)

Element	Coverage	Covered Instructions
IMS-SDETJun21-Leaf	90.9 %	4,975
src/main/java	82.2 %	2,296
com.qa.ims	0.0 %	0
com.qa.ims.controller	80.0 %	616
com.qa.ims.persistence.domain	82.2 %	484
com.qa.ims.utils	74.6 %	185
com.qa.ims.exceptions	0.0 %	0
com.qa.ims.persistence.dao	100.0 %	1,011
src/test/java	100.0 %	2,679

# User Stories

 Add epic /  IMS-4

## Structure database

 Attach  Add a child issue  Link issue  

### Description

As a developer, I want my database to have a relevant structure so that the rest of the code can corretly operate

### Activity

Show:   

Newest first 



Add a comment...

Pro tip: press  to comment

  1    

Done 

 Done

Assignee

 Leaf Cooper

Labels

None

Sprint

IMS Sprint 1

Story point estimate

2

Reporter

 Leaf Cooper

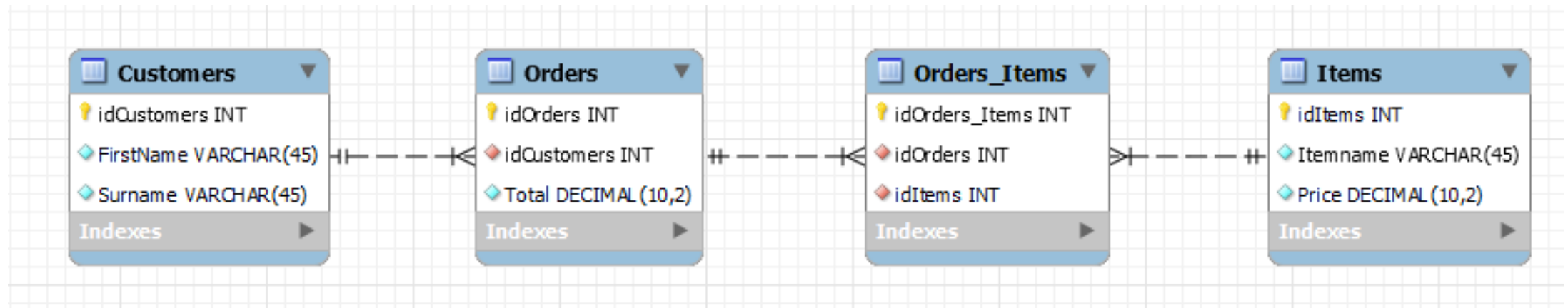
Created 5 days ago

Updated 5 days ago

Resolved 5 days ago

 Configure






# User Stories



# User Stories

 Add epic /  IMS-17

## Implement JUnit tests

 Attach  Add a child issue  Link issue  

### Description

As a developer, I want to be able to access testing methods so that I can to validate my code

### Activity

Show: All Comments History

Newest first 



Add a comment...

Pro tip: press **M** to comment

  1    

In Progress 

Assignee



Leaf Cooper

Labels

None

Sprint

IMS Sprint 1

Story point estimate

3

Reporter



Leaf Cooper

Created 4 days ago

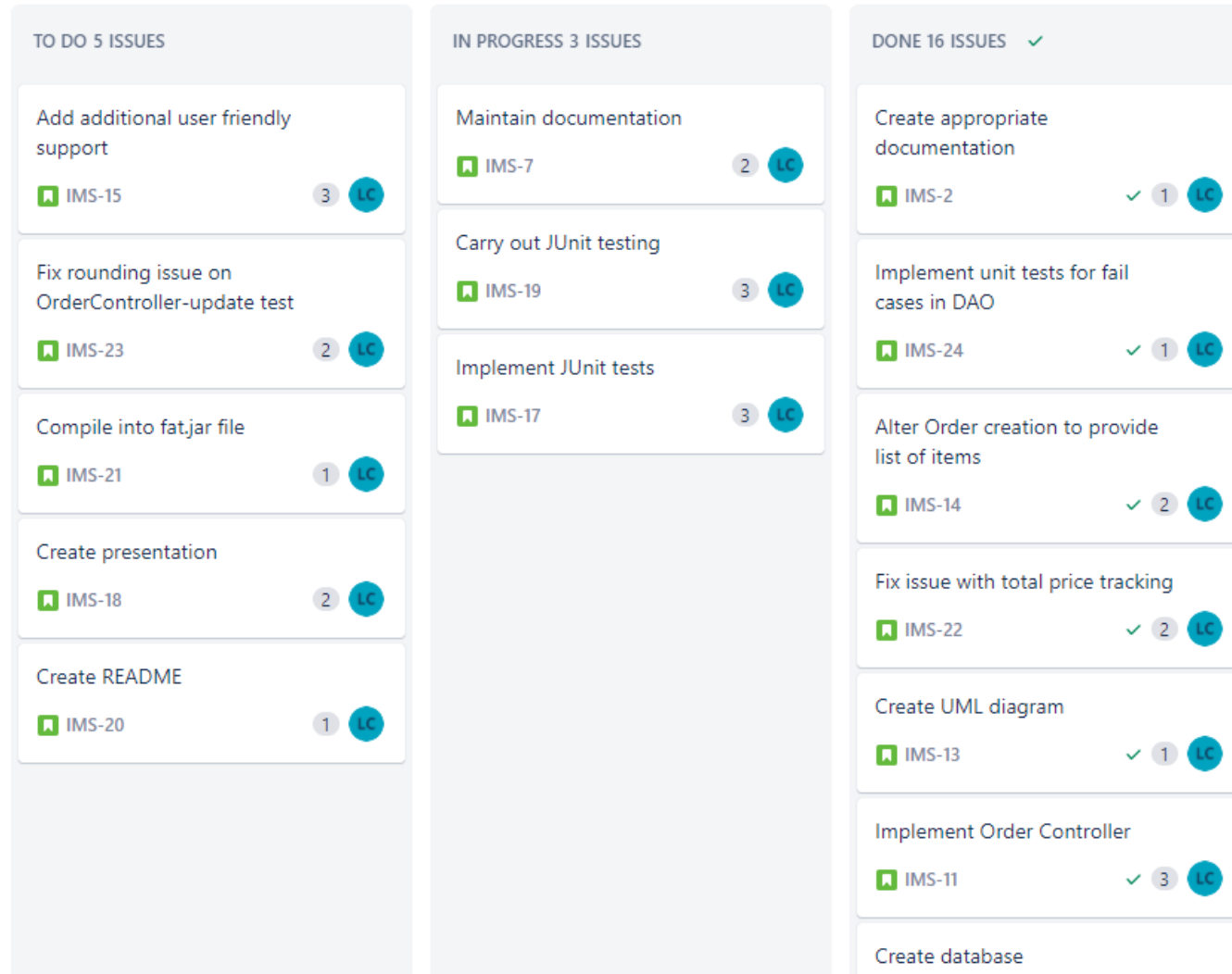
Updated yesterday



Configure



# User Stories



# Sprint review

- Was able to complete all stories required for MVP
- Completed some additional tasks for an improved system
- Left behind were stretch stories that did not directly impact operation

# Sprint retrospective

- Satisfied with overall quality of sprint
- Coding proficiency minimized issues and streamlined process
- Improvements could be made regarding best practice, coding convention

# Conclusion

- I consider this project a success
- I was able to create an operational system while also learning improvements for future projects
- Future steps may involve more complex interactions, additional tables (Stores) or improved user experience

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# THANK YOU

Any questions?