

A decorative graphic on the left side of the slide, consisting of white lines and circles on a blue gradient background, resembling a circuit board or a stylized tree structure.

# IMS PROJECT

BY MARCO CASTELLANA



# TOPICS

- TECHNOLOGIES USED
- SET UP
- MY APPROACH TO GIT
- DEVELOPMENT
- TESTING
- SPRINT REVIEW



# TECHNOLOGIES USED

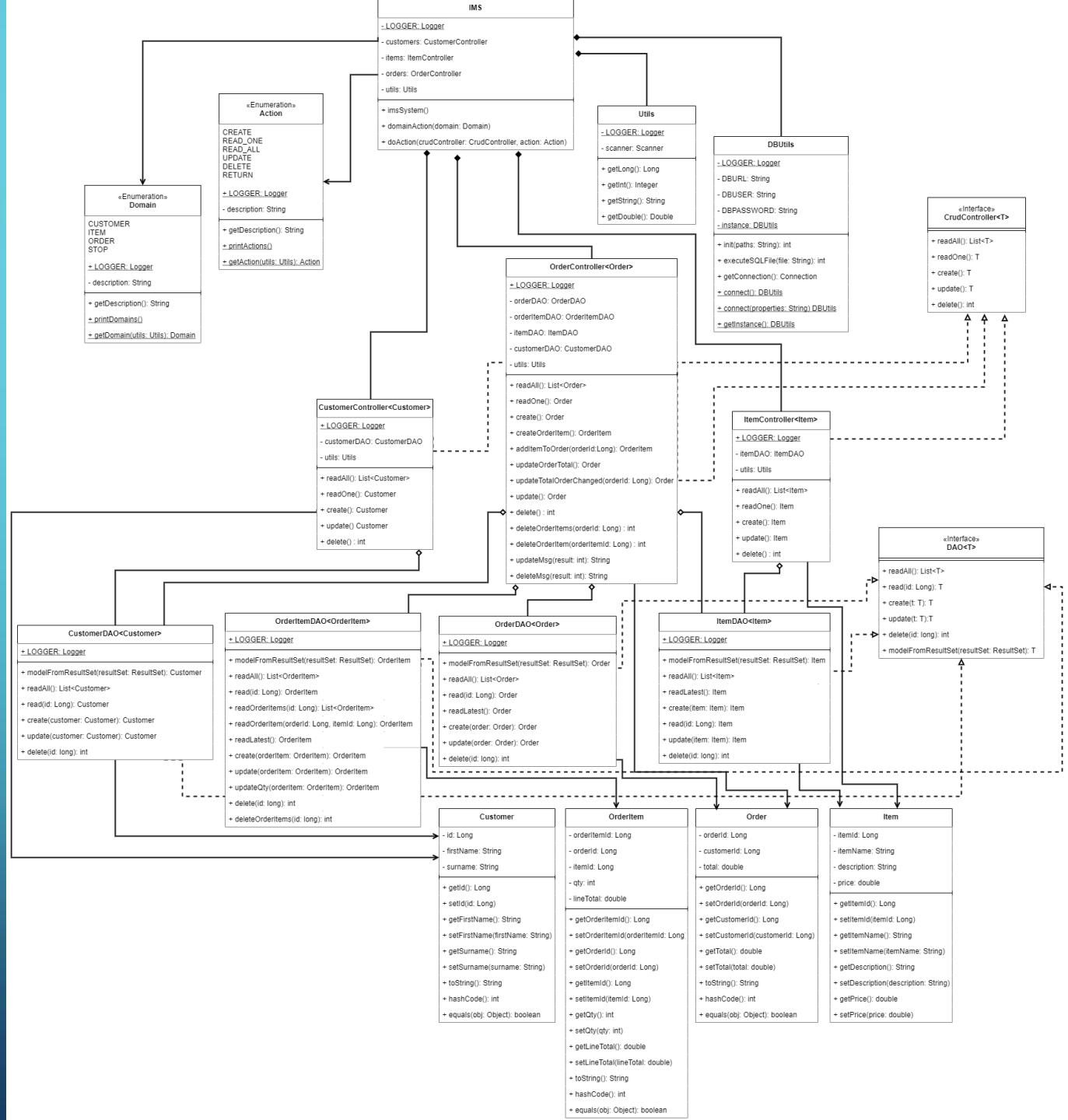
- GIT
- GITHUB
- JIRA
- MYSQL
- JAVA
- MAVEN
- JUNIT
- ECLIPSE IDE



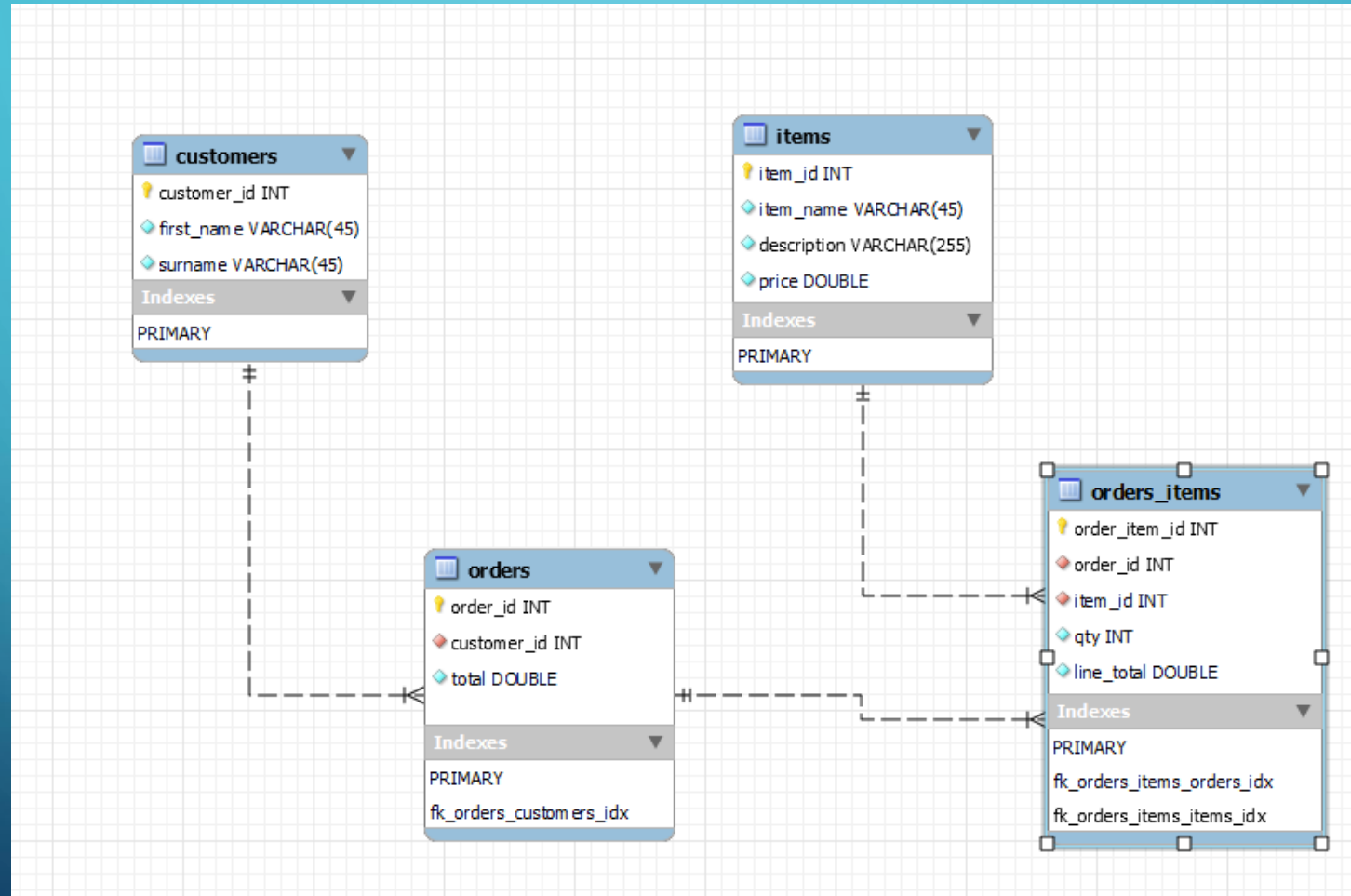
# SET UP

- EXPLORE THE TEMPLATE
- MAP TO UML DIAGRAM
- ER DIAGRAM
- RISK ASSESSMENT
- USE OF JIRA

# UML



# ER DIAGRAM



# JIRA AND THE KANBAN BOARD

**IMS Sprint 1**

Search:  MC + Epic Label

**TO DO 2 ISSUES**

- As a presenter, I need to have a presentation with slides, so that I can follow a guideline when presenting the project.  
DOCUMENTATION documentation  
IMS-30 2 MC
- As a person, I need to know how to use and test the application, so that I know how to use and test the application.  
DOCUMENTATION documentation  
IMS-28 2 MC

**IN PROGRESS 4 ISSUES**

- As a user, I want to delete an item from the system, so that the item is no longer stored to the database.  
CRUD FUNCTIONALITIES items  
IMS-17 5 MC
- As a user, I want to update an item to the system, so that the new update is reflected to the database.  
CRUD FUNCTIONALITIES items  
IMS-16 5 MC
- As a user, I want to view all the items stored into the system, so that I can see all the items available  
CRUD FUNCTIONALITIES items  
IMS-15 5 MC

**DONE 16 ISSUES**

- As a developer, I need to test the application, so that the application is checked for properly working.  
TESTING  
IMS-33 7 MC
- As a developer, I need to have a risk assessment in place, so that I know what risks may be encountered during the project.  
DOCUMENTATION documentation  
IMS-29 2 MC
- As a user, I want to read a particular order, so that I can view more details about it  
CRUD FUNCTIONALITIES orders  
IMS-31 5 MC
- As a user, I want to delete an order from the system, so that a

# USER STORIES

⚡ CRUD functionalities / 📁 IMS-19

🔒 1 📌 🔗 ⋮ ✕

Done ▾

✓ Done

Details ^

Priority

🔴 High

Assignee

MC

Marco Castellana

Labels

orders

Sprint

IMS Sprint 1

Story point estimate

5

Development

1 commit

6 days ago

1 pull request

MERGED

Reporter

MC

Marco Castellana

Created 7 days ago

Updated 2 days ago

Resolved 6 days ago

⚙️ Configure

As a user, I want to view all the orders that are present into the system, so that I can view all the orders details stored in the database.

📎 Attach

👤 Add a child issue

🔗 Link issue

▾

⋮

Description

Add a description...

Activity

Show: 

All

Comments

History

Newest first ⌵

MC

Add a comment...

Pro tip: press **M** to comment



# USER STORIES

⚡ CRUD functionalities / 📄 IMS-23

🔒 1 👍 🔗 ⋮ ✕

Done ▾

✓ Done

As a user, I want to delete an item from an existing order, so that a particular item is no longer available in the order.

📎 Attach

👤 Add a child issue

🔗 Link issue

▾

⋮

Description

Add a description...

Activity

Show: 

All

Comments

History

Newest first ⌵

MC

Add a comment...

Pro tip: press **M** to comment

Details

^

Priority

⬆ High

Assignee

MC Marco Castellana

Labels

orders\_items

Sprint

IMS Sprint 1

Story point estimate

5

Development

2 branches

3 commits

3 pull requests

3 days ago

MERGED

Reporter

MC Marco Castellana

Created 7 days ago

Updated 2 days ago

Resolved 3 days ago

⚙ Configure

# USER STORIES

Documentation / IMS-30

As a presenter, I need to have a presentation with slides, so that I can follow a guideline when presenting the project.

Attach

Add a child issue

Link issue

Description

- copy of the presentation, in .pdf format (slides only – no notes)
- Introduction:** Who are you? How did you approach the specification?
- Consultant Journey:** What technologies have you learned for this project?
- CI:** How did you approach version control?
- Testing:** What was tested? Show the coverage of the `src/main/java` folder.
- Demonstration:** Run through a couple of user stories
- Sprint review:** What did you complete? What got left behind?
- Sprint retrospective:** What went well? What could be improved?
- Conclusion:** Reflections on the project, future steps, any other relevant info
- Diagrams and/or screenshots used where appropriate
- Your presentation should last a total of **15 minutes**
- Questions:** Leave 5 minutes for questions at the end of the presentation

Activity

Show: All Comments History

Newest first ↕

MC

Add a comment...

Pro tip: press **M** to comment

In Progress

Details

Priority

Medium

Assignee

MC Marco Castellana

Labels

documentation

Sprint

IMS Sprint 1

Story point estimate

2

Reporter

MC Marco Castellana

Created 7 days ago

Updated 1 hour ago

Configure

# MY APPROACH TO GIT

- USE OF GIT AND GITHUB
- USE OF BRANCHES TO CREATE FEATURES
- USE OF COMMITS
- MERGE TO MAIN WHEN FINAL PRODUCT IS STABLE





# DEVELOPMENT

- SQL DEVELOPMENT
- CONNECTION DATABASE WITH APPLICATION
- JAVA APPLICATION

# TESTING

- DAO, CONTROLLER AND DOMAINS
- USE OF MOCKITO
- TEST PASS ABOVE 80%

```
Package Explorer JUnit
com.qa.ims.persistence.dao.OrderItemDAOTest - testUpdateQty
Runs: 58/123 Errors: 0 Failures: 0
> com.qa.ims.persistence.dao.CustomerDAOTest [Runner: JUnit 4]
> com.qa.ims.controllers.CustomerControllerTest [Runner: JUnit 4]
> com.qa.ims.persistence.dao.ItemDAOFailTest [Runner: JUnit 4]
> com.qa.ims.persistence.dao.OrderDAOFailTest [Runner: JUnit 4]
> com.qa.ims.persistence.domain.CustomerTest [Runner: JUnit 4]
> com.qa.ims.persistence.domain.ItemTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.controllers.OrderControllerTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.persistence.dao.OrderItemDAOTest [Runner: JUnit 4]
  testDeleteOrderItems (0.321 s)
  testUpdateQty
  testRead
  testReadOrderItem
  testReadOrderItems
  testReadAll
  testCreate
  testDelete
  testUpdate
> com.qa.ims.persistence.dao.ItemDAOTest [Runner: JUnit 4]
> com.qa.ims.persistence.dao.OrderDAOTest [Runner: JUnit 4]
> com.qa.ims.persistence.domain.OrderTest [Runner: JUnit 4]
> com.qa.ims.persistence.domain.OrderItemTest [Runner: JUnit 4]
> com.qa.ims.persistence.dao.CustomerDAOFailTest [Runner: JUnit 4]
> com.qa.ims.controllers.ItemControllerTest [Runner: JUnit 4]
> com.qa.ims.persistence.dao.OrderItemDAOFailTest [Runner: JUnit 4]
```

```
Package Explorer JUnit
Finished after 12.347 seconds
Runs: 123/123 Errors: 0 Failures: 0
> com.qa.ims.persistence.dao.CustomerDAOTest [Runner: JUnit 4]
> com.qa.ims.controllers.CustomerControllerTest [Runner: JUnit 4]
> com.qa.ims.persistence.dao.ItemDAOFailTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.persistence.dao.OrderDAOFailTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.persistence.domain.CustomerTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.persistence.domain.ItemTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.controllers.OrderControllerTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.persistence.dao.OrderItemDAOTest [Runner: JUnit 4]
  testDeleteOrderItems (0.321 s)
  testUpdateQty
  testRead
  testReadOrderItem
  testReadOrderItems
  testReadAll
  testCreate
  testDelete
  testUpdate
> com.qa.ims.persistence.dao.ItemDAOTest [Runner: JUnit 4] (3.25s)
> com.qa.ims.persistence.dao.OrderDAOTest [Runner: JUnit 4] (1.5s)
> com.qa.ims.persistence.domain.OrderTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.persistence.domain.OrderItemTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.persistence.dao.CustomerDAOFailTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.controllers.ItemControllerTest [Runner: JUnit 4] (0.00s)
> com.qa.ims.persistence.dao.OrderItemDAOFailTest [Runner: JUnit 4]
```

Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions
IMS-Starter-June21SDET-Marco	92.5 %	7,253	592	7,845
src/main/java	83.9 %	3,068	588	3,656
com.qa.ims	0.0 %	0	175	175
com.qa.ims.controller	87.5 %	1,046	149	1,195
com.qa.ims.persistence.domain	80.6 %	600	144	744
com.qa.ims.utils	69.0 %	185	83	268
com.qa.ims.persistence.dao	97.3 %	1,237	34	1,271
com.qa.ims.exceptions	0.0 %	0	3	3
src/test/java	99.9 %	4,185	4	4,189
com.qa.ims.persistence.domain	99.6 %	1,089	4	1,093
com.qa.ims.controllers	100.0 %	2,129	0	2,129
com.qa.ims.persistence.dao	100.0 %	967	0	967



# SPRINT REVIEW

- COMPLETED ALL USER STORIES DETERMINED BY MVP
- NO DELAYS ON FEATURES
- ADDED SOME ADDITIONAL FEATURES FOR MORE USER INTERACTIVITY

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# SPRINT RETROSPECTIVE

- TIMING WAS PERFECT
- POINTS CAN BE BETTER SCORED
- PAST CODING EXPERIENCE HELPED

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# CONCLUSION

- LEARNED NEW TECHNOLOGIES
- ABLE TO USE TESTING FOR APPLICATIONS
- PROJECT RESULT WAS A SUCCESS
- FUTURE STEPS MAY BE ADDING AN INTERFACE TO IT



A decorative graphic on the left side of the slide, consisting of a network of white lines and small circles on a blue gradient background, resembling a circuit board or a neural network.

# THANK YOU

ANY QUESTIONS?