

INFORMATION MANAGEMENT SYSTEM

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MY APPROACH

ERD

Diagram 1 containing Many to Many relationship

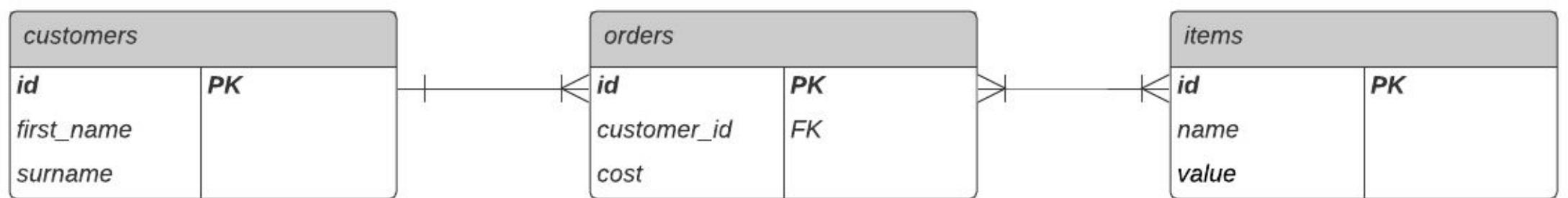
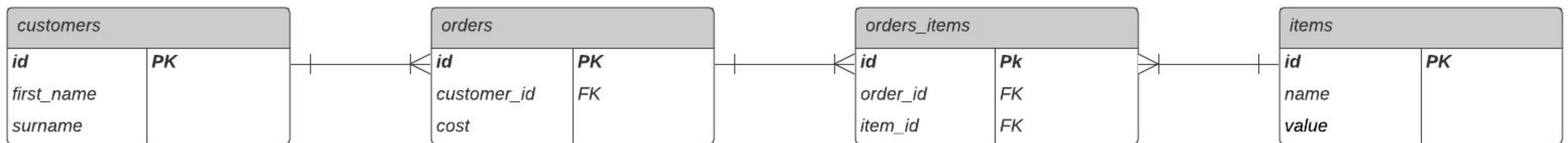
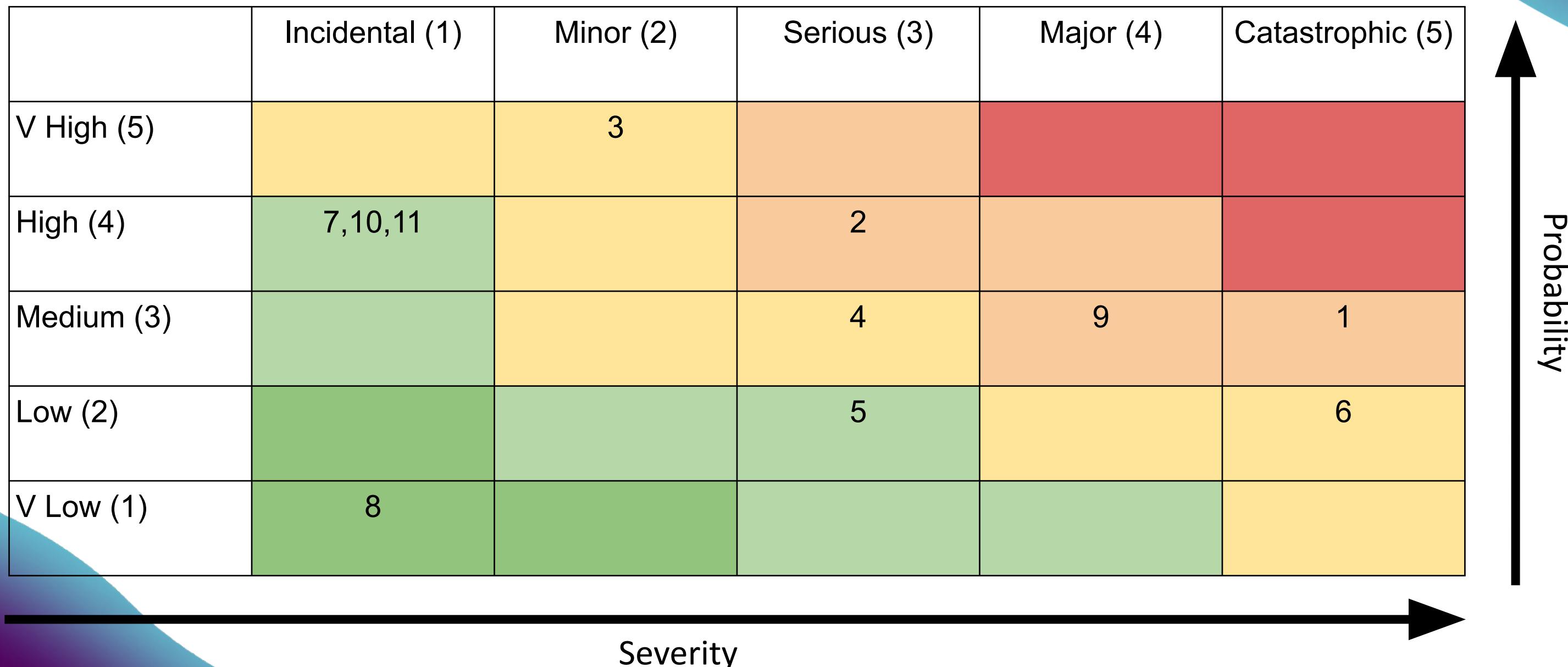


Diagram 2 resolving Many to Many relationship with a new entity



RISK MATRIX



KANBAN BOARD

Epic

- Issues without epic
- > **CREATE - CUSTOMER**
- > **DELETE - CUSTOMER**
- > **CREATE - ITEM**
- > **VIEW ALL - ITEMS**
- > **CREATE - ORDER**
- > **VIEW ALL - ORDER**
- > **UPDATE - ORDER**
- > **DELETE - ORDER**

+ Create Epic

LQWW Sprint 7 Jan – 28 Jan (12 issues)

Issue	Description	Labels	Count
IMS-38	As a user an order should only exist if there is an item and customer so that I dont have empty orders.	CREATE - ORDER	5 DONE
IMS-26	As a user if I type a wrong ID I should be given an alert message informing me to retry so that I dont have to go through the whole ...	DELETE - CUSTOMER	3 IN PROGRESS
IMS-28	As user I should not be allowed to leave any fields empty so that it prevents me from entering meaningless data.	CREATE - ITEM	6 TO DO
IMS-16	As user I should not be allowed to leave any fields empty so the system is not filled with inaccurate data about customers.	CREATE - CUSTOMER	5 TO DO
IMS-96	As a user I should be presented with all the items each order has so that I can see what the customer has ordered.	VIEW ALL - ORDER	6 TO DO
IMS-97	As a user, I should also be given a count of the total items so when sending the order out I can confirm the amount of items.	VIEW ALL - ORDER	5 TO DO
IMS-101	As a user I should be given a confirmation of what changes i have made, so I can confirm the changes made to the order.	UPDATE - ORDER	6 TO DO
IMS-32	As a user I want to be provided a notification if there are no items within the inventory so that I can order more stock.	VIEW ALL - ITEMS	3 TO DO
IMS-100	As a user I should be alerted if the order id i have given does not exist, so I am just not randomly inputting data.	UPDATE - ORDER	4 TO DO
IMS-98	As a user I want the cost of the order to be updated automatically when I remove or add an item so that I can have accurate cost when calcula...	UPDATE - ORDER	4 DONE
IMS-99	As a user when altering the Order I should be prompted to ask for the order Id so that I update the right order.	UPDATE - ORDER	2 DONE
IMS-103	As a user when deleting the Order I should be prompted to ask for the order Id so that I delete the right order.	DELETE - ORDER	2 DONE

CREATE - ORDER / IMS-38

As a user an order should only exist if there is an item and customer so that I dont have empty orders.

Done ✓ Done

Description

Given that the user is creating an order, When they have added a customer, The system should force the user to add 1 item at least.

MoSCoW Label

Could_Have

Sprint

LQWW Sprint

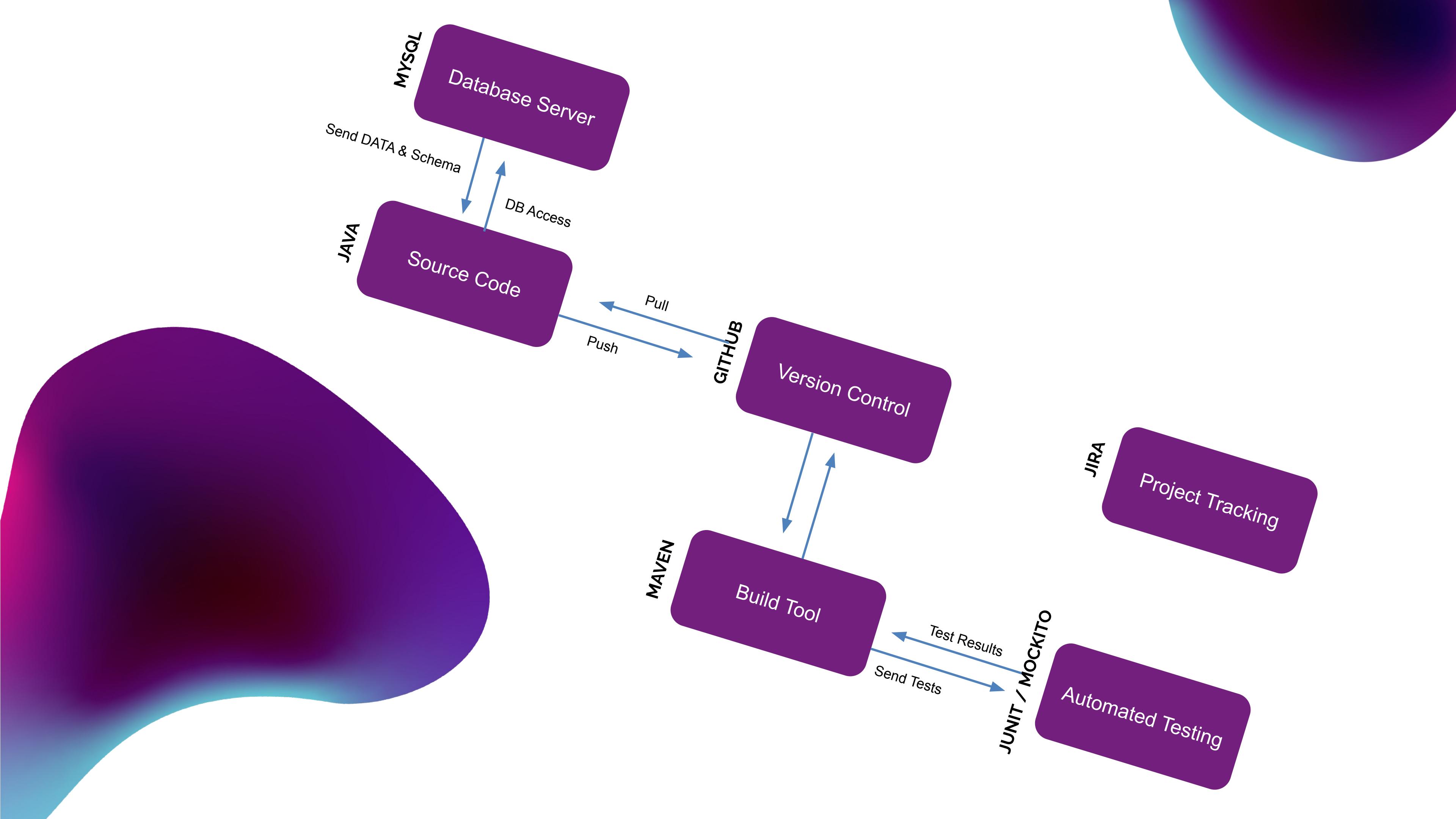
Story point estimate

5

KANBAN BOARD

TO DO	IN PROGRESS	STUCK	DONE
<p>As user I should not be allowed to leave any fields empty so that it prevents me from entering meaningless data.</p> <p>CREATE - ITEM</p> <p> IMS-28</p> <p>6</p>	<p>As a user if I type a wrong ID I should be given an alert message informing me to retry so that I dont have to go through the whole process again.</p> <p>DELETE - CUSTOMER</p> <p> IMS-26</p> <p>3</p>		<p>As a user an order should only exist if there is an item and customer so that I dont have empty orders.</p> <p>CREATE - ORDER</p> <p> IMS-38</p> <p>✓ 5</p>
<p>As user I should not be allowed to leave any fields empty so the system in not filled with inaccurate data about customers.</p> <p>CREATE - CUSTOMER</p> <p> IMS-16</p> <p>5</p>			<p>As a user I want the cost of the order to be updated automatically when I remove or add an item so that I can have accurate cost when calculating my profitability.</p> <p>UPDATE - ORDER</p> <p> IMS-98</p> <p>✓ 4 CP</p>

CI PIPELINE



My Consultant Journey

- Jira
- GCP instance
- JAVA
- Maven
- JUnit
- Mockito
- GitHub

The background features a dark purple gradient with three large, semi-transparent overlapping circles. One circle is light blue at the top and magenta at the bottom. Another is magenta at the top and light blue at the bottom. A third circle is located in the bottom left corner, partially cut off by the frame. The word "TESTING" is centered in white capital letters within the light blue/magenta area.

TESTING

COVERAGE

Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions
IMS-Starter	89.9 %	4,138	465	4,603
src/main/java	83.1 %	2,279	465	2,744
com.qa.ims	0.0 %	0	176	176
com.qa.ims.controller	80.1 %	478	119	597
com.qa.ims.persistence.domain	87.0 %	702	105	807
com.qa.ims.utils	71.6 %	164	65	229
com.qa.ims.persistence.dao	100.0 %	935	0	935
src/test/java	100.0 %	1,859	0	1,859

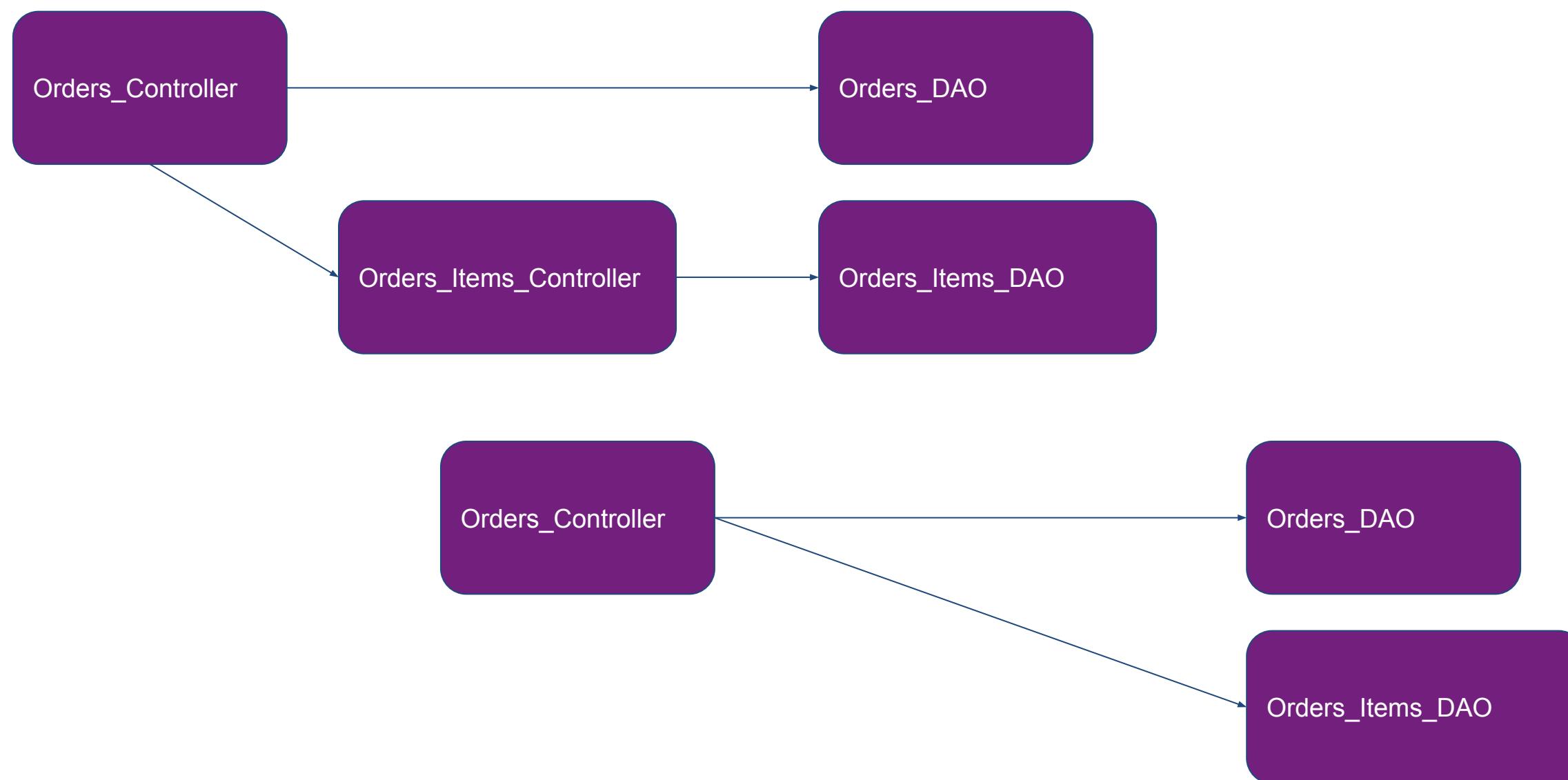
83.1%

Coverage achieved in
src/main/java folder.

60/60

Test successfully passed with
no errors and failures.

THE STRUGGLES



USER STORY 1

As a user I want to view all orders in the system so I can see the progress my business is making.

DEMO

USER STORY 2

As a user, I want create an order in the system, So that I can keep a log of all order made.

USER STORY 3

As a user I want to update the order by adding in more items to the order so the customer the order is coherent with the actual order.



SPRINT REVIEW

Completed:

- Minimum viable product: CRUD functionality on Customers, Items & Orders
- Functional DB Schema for GCP Instance

Uncompleted

- Can still insert empty Strings in scanners
- User feedback
- Redesign of output
- Total items field in orders
- SQL errors replaced with user friendly alerts.

SPRINT RETROSPECTIVE

What went well?

- Successful project Tracking
- Completed project in timely manner
- User Stories were accurate and Acceptance criteria aided the completion of the story

How to improve?

- Estimations of tasks need to be accurate
- Contingencies should be in place to deal with delays
- All user stories should have tasks
- Repetitive user stories should be removed
- Git should be linked to Jira



"DO THE SIMPLEST THING THAT
COULD POSSIBLY WORK."

-Kent Beck

The background features a dark purple gradient with three semi-transparent circles. One large circle is centered in the middle, transitioning from blue at the top to red at the bottom. Two smaller circles are positioned in the upper right and lower left corners, also with a blue-to-red gradient.

Thanks For Listening!
ANY QUESTIONS?