

# *Inventory Management System Project*

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## *My approach*

Usability

Simplicity and sensibility

SonarQube

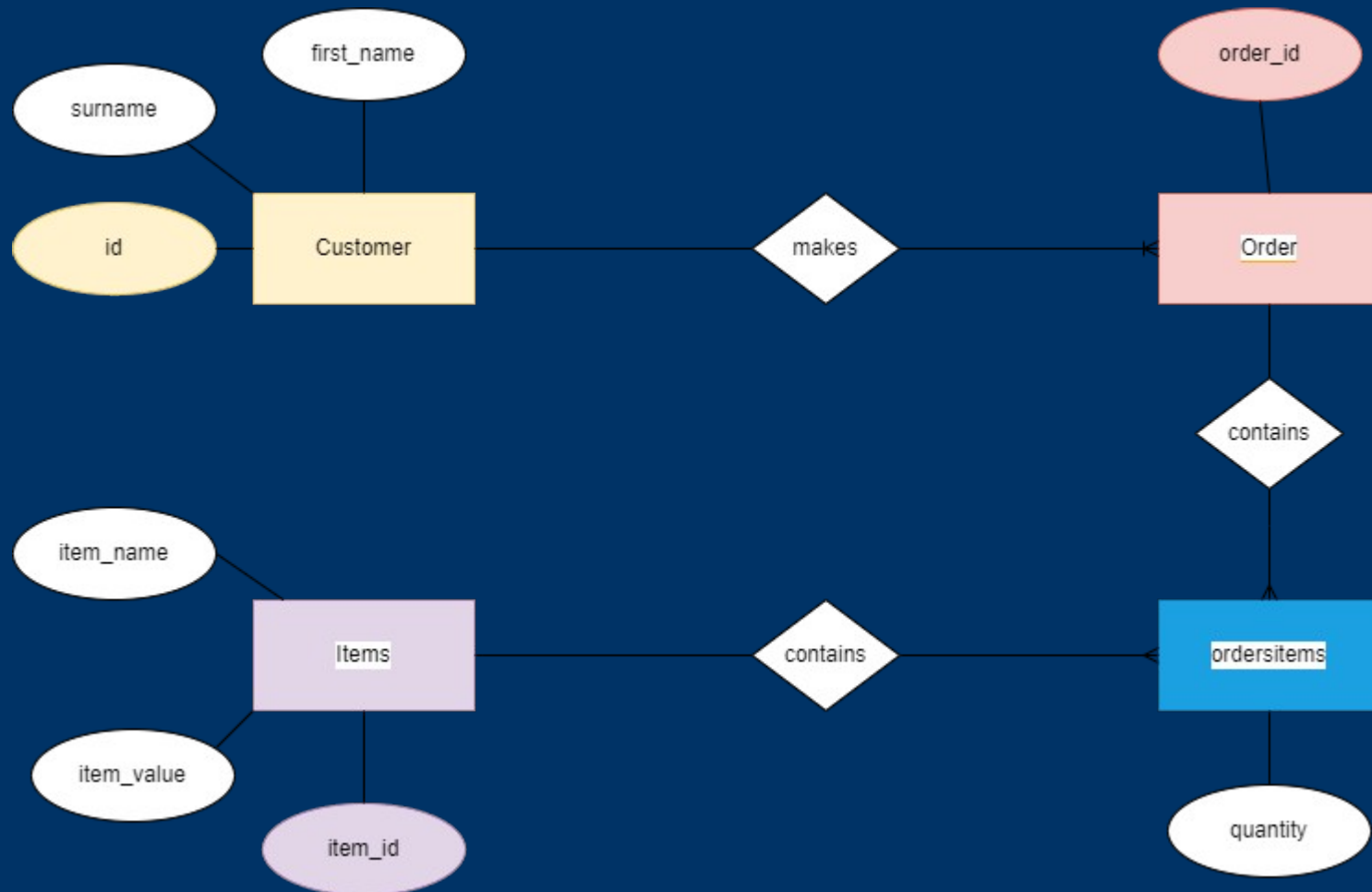
Majority of documents last



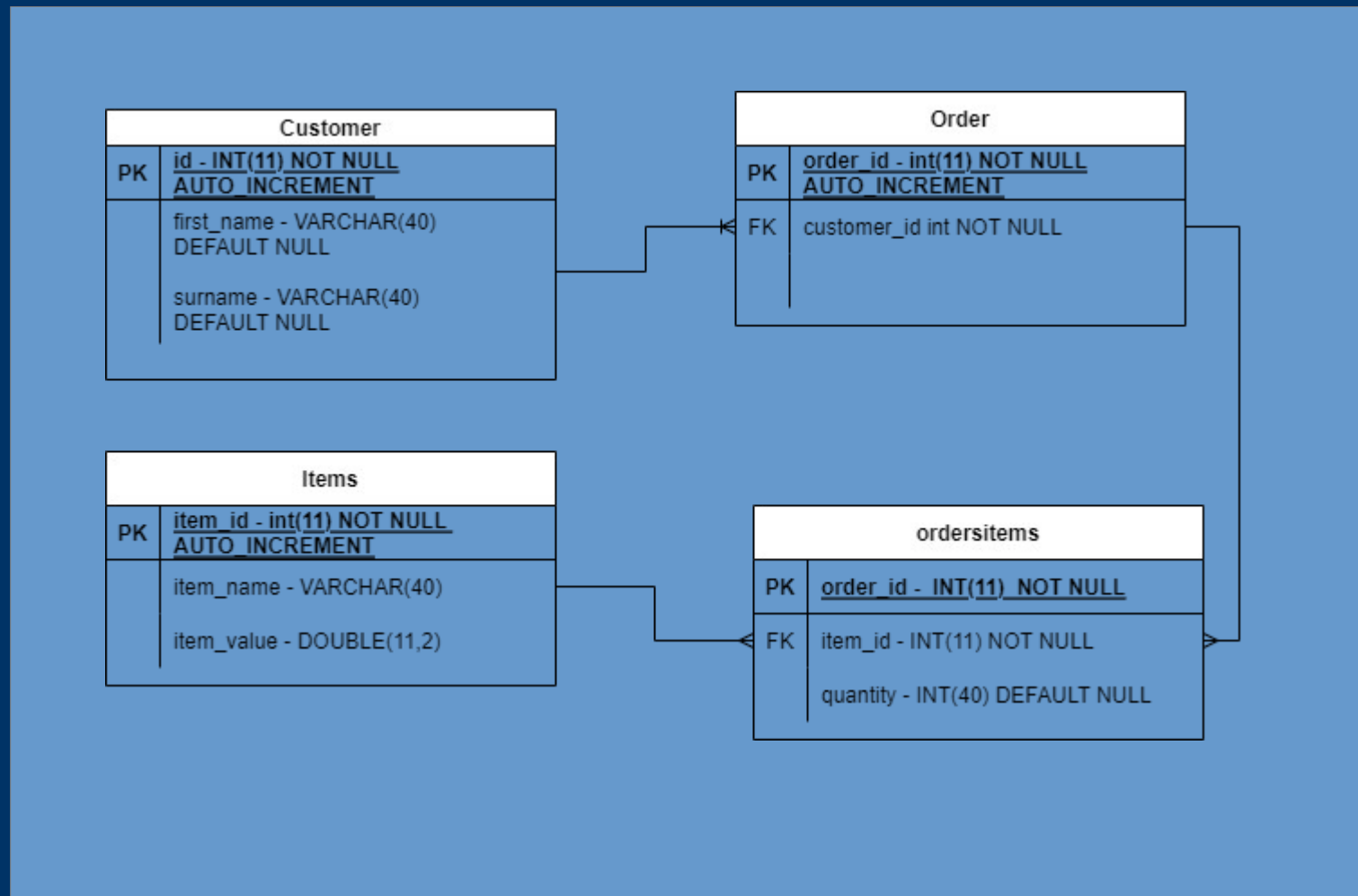
## *Technologies used and learnt*

- Java/Maven
  - Github
  - Jira
  - MySQL
  - Agile
- 
-

## Chen ERD (Entity Relationship Diagram)












## UML (Unified Modelling Language) ERD



# Version Control : Github

## Branches and commits

Merge pull request #3 from nosiree/Bugfixes ...  nosiree committed 2 days ago	Verified		b54123d	<>
Fixed a fair few bugs  nosiree committed 2 days ago	Verified		423dc29	<>
Merge pull request #2 from nosiree/Namechanges ...  nosiree committed 2 days ago	Verified		d0dac0d	<>
Merge pull request #1 from nosiree/Ordersetc ...  nosiree committed 2 days ago	Verified		8abb2db	<>
Changed naming convention and fixed a couple bugs  nosiree committed 2 days ago	Verified		fe061c5	<>
Add files via upload  nosiree committed 2 days ago	Verified		e8b708d	<>

# Testing

Problems Javadoc Declaration Console Coverage X					
java (2) (12 May 2022 15:26:04)					
Element		Coverage	Covered Instructions	Missed Instructions	Total Instructions
IMS-Starter-master		<div><div></div></div> 75.6 %	3,887	1,254	5,141
> src/main/java		<div><div></div></div> 63.1 %	2,061	1,206	3,267
> src/test/java		<div><div></div></div> 97.4 %	1,826	48	1,874

# *User Stories*





***As a user I need to be able to add a customer to the system so that those customers can be able to make orders***

```
Welcome to the Inventory Management System!
Which entity would you like to use?
CUSTOMER: Information about customers
ITEM: Individual Items
ORDER: Purchases of items
STOP: To close the application
customer
What would you like to do with customer:
CREATE: To save a new entity into the database
READ: To read an entity from the database
UPDATE: To change an entity already in the database
DELETE: To remove an entity from the database
RETURN: To return to domain selection
create
Please enter a first name
example
Please enter a surname
name
Customer created
What would you like to do with customer:
CREATE: To save a new entity into the database
READ: To read an entity from the database
UPDATE: To change an entity already in the database
DELETE: To remove an entity from the database
RETURN: To return to domain selection
read
id:1 first name:jordan surname:harrison
id:2 first name:example surname:name
```

***This also covers the following user case story :***

***As a user I need to be able to view customer to the system so that I can check details of customers in the system***

*As a user I need to be able to update an item in the system so that I can fix mistakes and change details of items*

```
item
What would you like to do with item:
CREATE: To save a new entity into the database
READ: To read an entity from the database
UPDATE: To change an entity already in the database
DELETE: To remove an entity from the database
RETURN: To return to domain selection
read
Item id: 1 Item name: mug Price: 10.0
What would you like to do with item:
CREATE: To save a new entity into the database
READ: To read an entity from the database
UPDATE: To change an entity already in the database
DELETE: To remove an entity from the database
RETURN: To return to domain selection
update
Please enter the id of the Product you would like to update
1
Please enter a Product Name
cup
Please enter a Product Price
10.0
Product Updated
What would you like to do with item:
CREATE: To save a new entity into the database
READ: To read an entity from the database
UPDATE: To change an entity already in the database
DELETE: To remove an entity from the database
RETURN: To return to domain selection
read
Item id: 1 Item name: cup Price: 10.0
```

***As a customer I need to be able to create an order in the system so that I can order items from the inventory***

```
order
What would you like to do with order:
CREATE: To save a new entity into the database
READ: To read an entity from the database
UPDATE: To change an entity already in the database
DELETE: To remove an entity from the database
RETURN: To return to domain selection
create
Please enter your Customer ID
1
Order 2 created
Would you like to add item to an order? /r/n Yes or No
Yes
Please enter an existing Order ID that you wish to add a Product to
2
Please enter an Item ID that you wish to add
1
Please enter the quantity
3
Item added
What would you like to do with order:
CREATE: To save a new entity into the database
READ: To read an entity from the database
UPDATE: To change an entity already in the database
DELETE: To remove an entity from the database
RETURN: To return to domain selection
read
Customer ID: 1, Order ID: 1
Customer ID: 1, Order ID: 2
Order ID: 1, First Name: jordan, Surname: harrison, Product: cup, Quantity: 10
Order ID: 2, First Name: jordan, Surname: harrison, Product: cup, Quantity: 3
Would you like to see the total cost of your order?
Yes or No
Yes
Enter the Id of your order:
2
Total Cost: 30.0
```

***As a customer I need to be able to read the details of my order so that I can know the contents and the cost as well as check if it is correct***

*As a customer I need to be able to add and take away items from my order so that I can correct mistakes or change my mind*

```
update
Please enter your Customer ID
1
[Customer ID: 1, Order ID: 1]
Would you like to add a new Product or update existing order?
NEW or EXISTING
new
Please enter an existing Order ID that you wish to add a Product to
1
Please enter an Item ID that you wish to add
1
Please enter the quantity
2
Item added
What would you like to do with order:
CREATE: To save a new entity into the database
READ: To read an entity from the database
UPDATE: To change an entity already in the database
DELETE: To remove an entity from the database
RETURN: To return to domain selection
read
Customer ID: 1, Order ID: 1
Order ID: 1, First Name: jordan, Surname: harrison, Product: cup, Quantity: 10
Order ID: 1, First Name: jordan, Surname: harrison, Product: cup, Quantity: 2
Would you like to see the total cost of your order?
Yes or No
yes
Enter the Id of your order:
1
Total Cost: 240.0
```

# Sprints

☰	<a href="#">IMSP-18</a>	As a user I need to be able to delete customers in the system individually so that I can remove customers that we don't...	-		DONE ✓
📌	<a href="#">IMSP-19</a>	As a user I need to be able to update customers in the system individually so that I can fix errors and make changes	-		DONE ✓
📌	<a href="#">IMSP-20</a>	As a user I need to be able to create an order in the system so that I can let customers order items	-		DONE ✓
📌	<a href="#">IMSP-21</a>	As a user I need to be able to delete an order so that when one is cancelled, the system will know	-		DONE ✓
📌	<a href="#">IMSP-22</a>	As a user I need to be able to view all orders in a system so that I can check details such as item or customer IDs	-		DONE ✓
📌	<a href="#">IMSP-23</a>	As a user I need to be able to view all customers in the system so that I can verify customer details	-		DONE ✓
📌	<a href="#">IMSP-24</a>	As a user I need to be able to add an item to an order so that I can order multiple items or just one if I want	-		DONE ✓
📌	<a href="#">IMSP-25</a>	As a user I need to be able to add a customer to the system so that those customers are able to make orders.	-		DONE ✓
📌	<a href="#">IMSP-26</a>	As a user I need to be able to add an item to the system so that it can be ordered by customers	-		DONE ✓
📌	<a href="#">IMSP-27</a>	As a user I need to be able to view all items in the system so that I can verify item details	-		DONE ✓
📌	<a href="#">IMSP-28</a>	As a user I need to be able to update items so that I can change details such as price and quantity	-		DONE ✓
📌	<a href="#">IMSP-29</a>	As a user I need to be able to delete items so that I can remove items if we no longer have them	-		DONE ✓
📌	<a href="#">IMSP-30</a>	As a user I need to be able to delete an item in an order so that I don't need to redo an order when I want to remove ...	-		DONE ✓
📌	<a href="#">IMSP-31</a>	As a user I need to be have the cost calculated for me so that I know how much my order costs in real-time	-		DONE ✓

# Testing Sprint

▼ IMSP Testing Sprint 12 May – 12 May (14 issues)			0 0 0	Complete sprint	...
Make sure that all testing is completed by the end of today					
IMSP-2	As a programmer I need to be able to test whether I can add a customer to the system so that those customers are able to make orders.	IMS PROJECT	IN PROGRESS ▼		
IMSP-3	As a programmer I need to be able to test whether I can view all customers in the system so that I can verify customer details	IMS PROJECT	DONE ▼		
IMSP-4	As a programmer I need to be able to test whether I can update customers in the system individually so that I can fix errors and make changes	IMS PROJECT	DONE ▼		
IMSP-5	As a programmer I need to be able to test whether I can delete customers in the system individually so that I can remove customers that we don't want or...	IMS PROJECT	DONE ▼		
IMSP-6	As a programmer I need to be able to test whether I can add an item to the system so that it can be ordered by customers	IMS PROJECT	DONE ▼		
IMSP-7	As a programmer I need to be able to test whether I can view all items in the system so that I can verify item details	IMS PROJECT	DONE ▼		
IMSP-8	As a programmer I need to be able to test whether I can update items so that I can change details such as price and quantity	IMS PROJECT	DONE ▼		
IMSP-9	As a programmer I need to be able to test whether I can delete items so that I can remove items if we no longer have them	IMS PROJECT	DONE ▼		
IMSP-10	As a programmer I need to be able to test whether I can create an order in the system so that I can let customers order items	IMS PROJECT	IN PROGRESS ▼		
IMSP-11	As a programmer I need to be able to test whether I can view all orders in a system so that I can check details such as item or customer IDs	IMS PROJECT	IN PROGRESS ▼		
IMSP-12	As a programmer I need to be able to test whether I can delete an order so that when one is cancelled, the system will know	IMS PROJECT	IN PROGRESS ▼		
IMSP-13	As a programmer I need to be able to test whether I can add an item to an order so that I can order multiple items or just one if I want	IMS PROJECT	DONE ▼		
IMSP-14	As a programmer I need to be able to test whether I can have the cost calculated for me so that I know how much my order costs in real-time	IMS PROJECT	IN PROGRESS ▼		
IMSP-15	As a programmer I need to be able to test whether I can delete an item in an order so that I don't need to redo an order when I want to remove a ...	IMS PROJECT	IN PROGRESS ▼		

## *Conclusion*



# Questions

