

PROJECT REPORT
ON
ONLINE SHOPPING SYSTEM

Submitted By:

KIRANDEEP KAUR (777255)

SIMRANJEET KAUR (778639)

AMANDEEP KAUR (772344)

HARPREET KAUR CHEEMA (770763)

COURSE:

DATABASE DESIGN

PROGRAM:

Mobile Application Design and Development

INDEX

S.NO.	TITLE	PAGE NO.
1.	INTRODUCTION	3
2.	REQUIREMENT	4
3.	ER DIAGRAM	5
4.	RELATIONAL MODEL	6
5.	NORMALIZATION	7
6.	DATA DESCRIPTION	7-9
7.	CREATE TABLE USING SQL	10-12
8.	SNAPSHOT OF PROJECT	
9.	CONCLUSION	
10.	REFERENCE	

INTRODUCTION

This project is a web-based application for online shopping system. The objective of this project is to deliver the products online to the customers.

Online shopping is the e-commerce site which helps the consumers to directly buy goods from a seller over the internet. Customers can purchase the things online by adding them to the shopping cart.

It helps to reduce a lot of time of the customers because they do not need to travel anywhere to buy any product. It also reduces the work load on consumer as well as owner. This system is available 24 hours. Therefore, customer do not need to worry about the opening and closing hours of any shop.

Due to the techno era, everybody likes to use technology so their first preference is to shopping online rather than going to any shop.

REQUIREMENTS OF THE SYSTEM

The product seller would like to develop an application which can help him to sell his products online so that he can make maximum profit. For this, Online Shopping System helps customers to buy products and goods from e-commerce site by using the Internet.

By using this system, the owner manages all the products that are available in his store, specifying their description and the quantity. Customer can choose different products from the different categories. After selection of the product, customers are able to place the order by adding them to the shopping cart and then make payment.

Only customers who have already logged into the app will be able to place their orders otherwise they have to create a new account on the E-commerce site.

ER – Diagram of Online Shopping System:

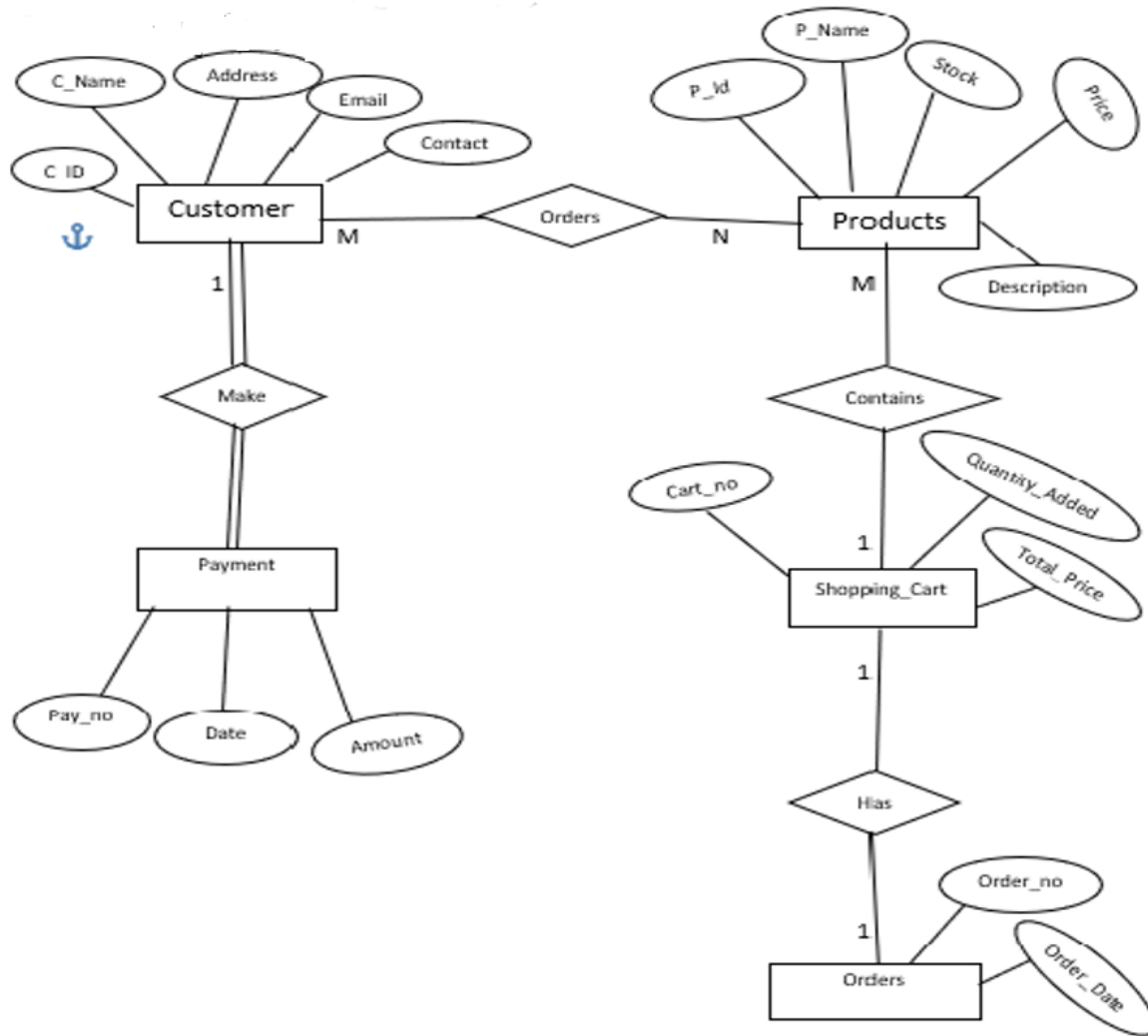


Figure 1.ER-Diagram

RELATIONAL MODEL

Customer

C-id	C Name	Address	Contact	Email
------	--------	---------	---------	-------

Product

P-id	P-name	Stock	Price	Description	Order-no
------	--------	-------	-------	-------------	----------

Shopping cart

Cart-no	Quantity Added	Total Price	Order-no	P-id
---------	----------------	-------------	----------	------

Buys

C-id	P-id
------	------

Payment

Pay-no	date	Amount	C-id
--------	------	--------	------

Makes

C-id	Pay-no
------	--------

Orders

orderno	orderdate
---------	-----------

NORMALIZATION

First Normal Form: All the relations are already in first normal form because there are no repeating values in any of the relation i.e. there is no redundancy.

Second Normal Form: As the relations are already in first normal form and no attribute depend on part of primary key, so the relations are in second normal form.

Third Normal Form: For a relation to be in third normal form, it should already be in the second normal form and all the non-key attributes should depend on the key attribute.



C_id → C-name, contact, email, address

P_id → P_name, stock, price, description, order_no, cart_no,

Cart_no → quantity added, total price, order_no

Pay_no → P_date, amount, c_id

DATA DESCRIPTION

Customer:

Field	Data Type	Length	Meaning	Primary Key	Constraints	Mask	Foreign Reference
C-id	Number	10	Any Id, SIN	Yes	Not Null	-----	-----
C-name	Character	15	Full Name	No	Not Null	-----	-----
Email	Character	15	Any email id	No	-----	-----	-----
Contact	Number	15	Mobile No.	No	Not Null	-----	-----

PI-d	Number	8	Product id	Yes	Not Null	-----	-----
P-name	Character	15	Name of product	No	Not Null	-----	-----
Stock	Number	5	Numbers of product	No	Not Null	-----	-----
Price	Number	5	Price of Product	No	Not Null	-----	-----
Description	Character	10	About product	No	Not Null	-----	-----
Order-No	Number	5	Order number	Yes	Not Null	-----	Orders Table
Cart-No	Number	5	Shopping Cart Number	Yes	Not Null	-----	Shopping Cart Table

Cart:

Field	Data Type	Length	Meaning	Primary Key	Constraints	Mask	Foreign Reference
-------	-----------	--------	---------	-------------	-------------	------	-------------------

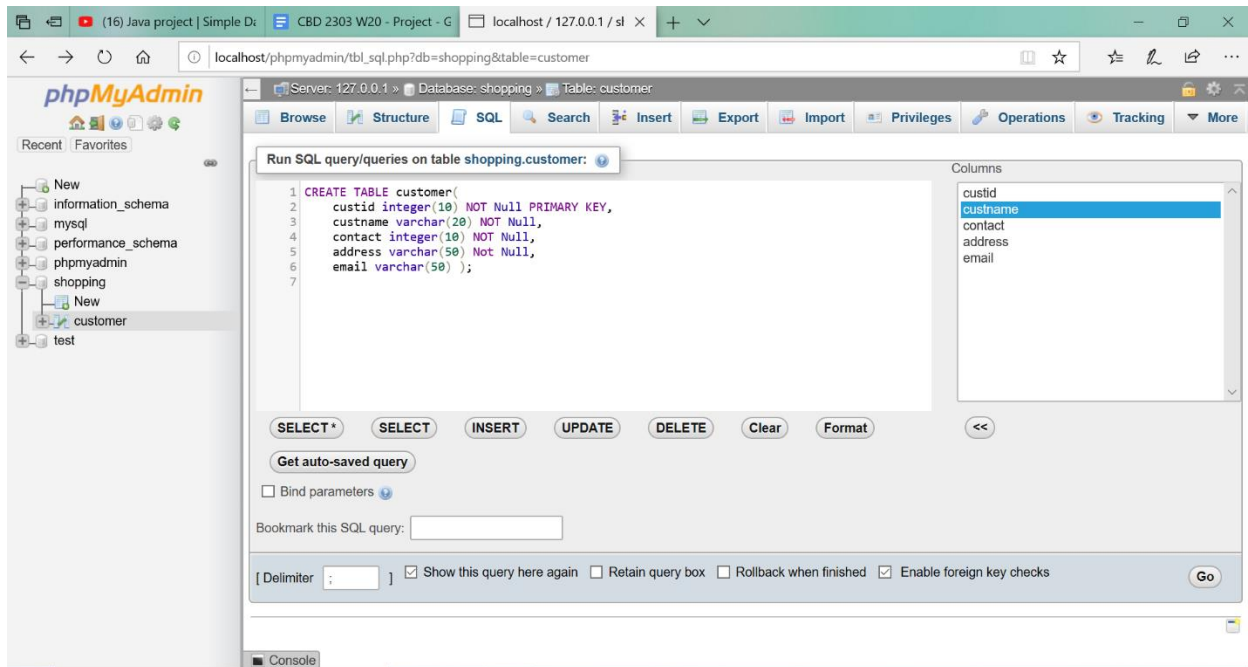
Cart-No	Number	5	Number of shopping cart	Yes	Not Null	-----	-----
Quantity-Added	Number	7	No. of products added in cart	No	Not Null	-----	-----
Total-price	Number	8	Total price of products	No	Not Null	-----	-----
Order-No	Number	5	Order Number	Yes	Not Null	-----	Orders Table

Payment:

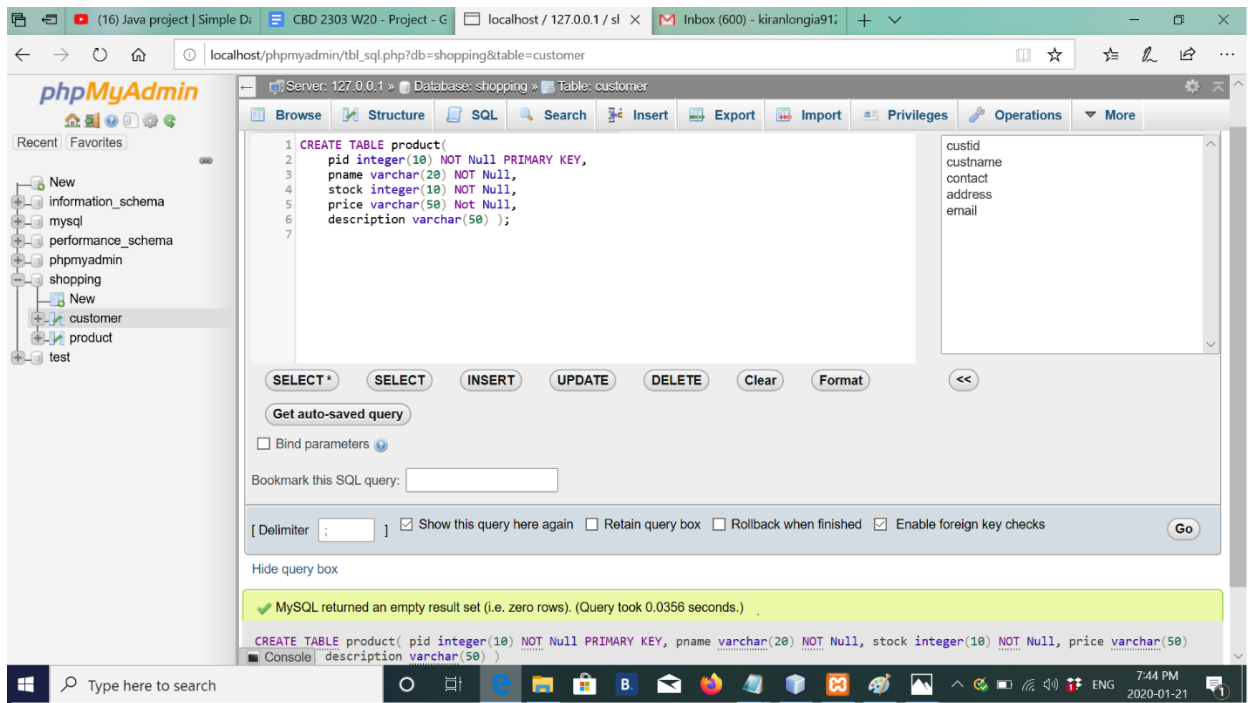
Field	Data Type	Length	Meaning	Primary Key	Constraints	Mask	Foreign Reference
Pay-No	Number	5	Payment Number	Yes	Not Null	-----	-----
Pay-Date	Date	--	Date of payment	No	Not Null	dd/mm/yyyy	-----
Amount	Number	10	Total price of purchased products	No	Not Null	-----	-----
C-id	Number	10	Any Id ,SIN	Yes	Not Null	-----	Customer Table

CREATE TABLES USING SQL

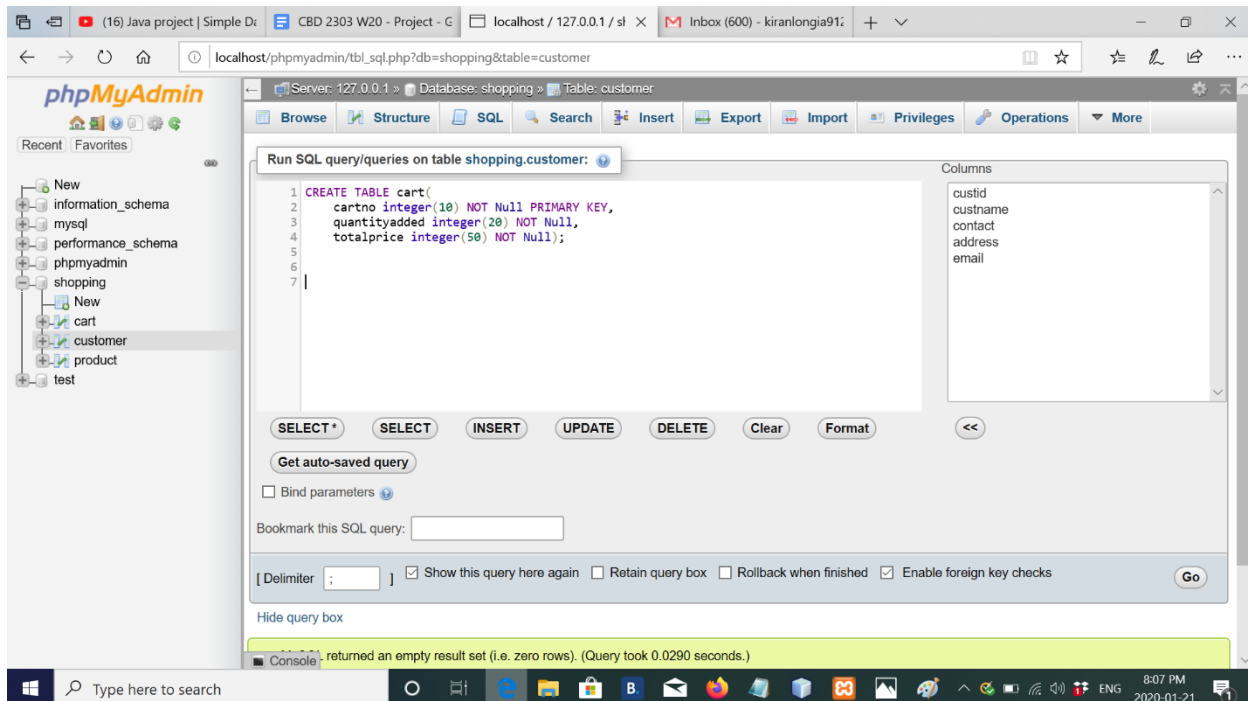
1.create table customer



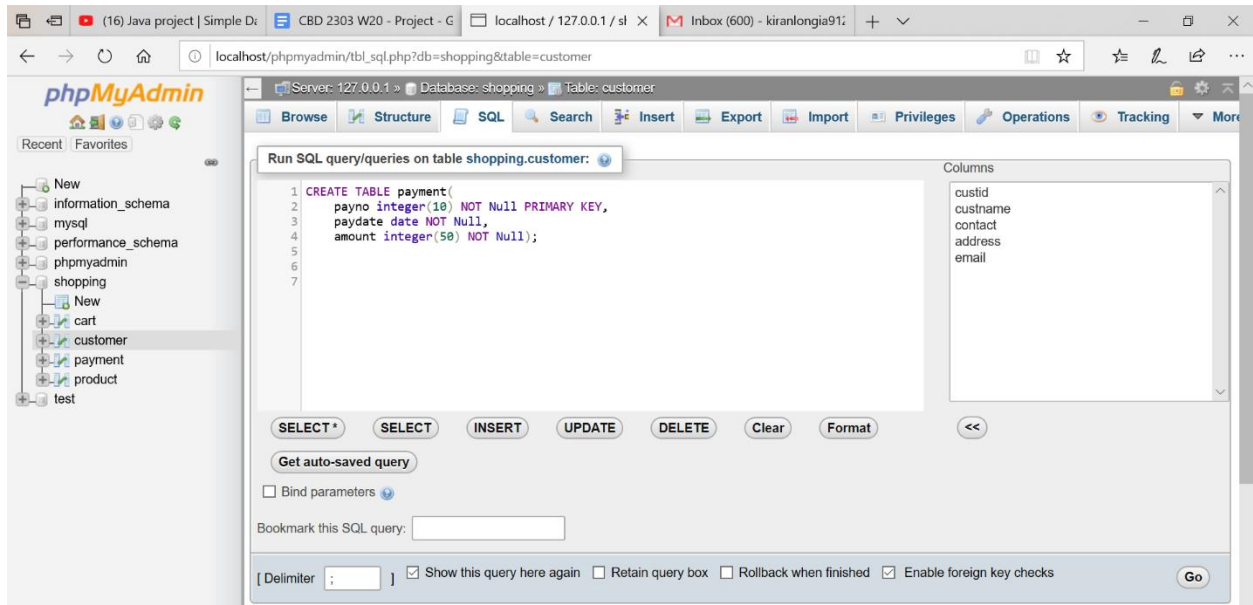
2.Create table products



3. create table cart



3. create table payment



PROJECT SNAPSHOTS

1.

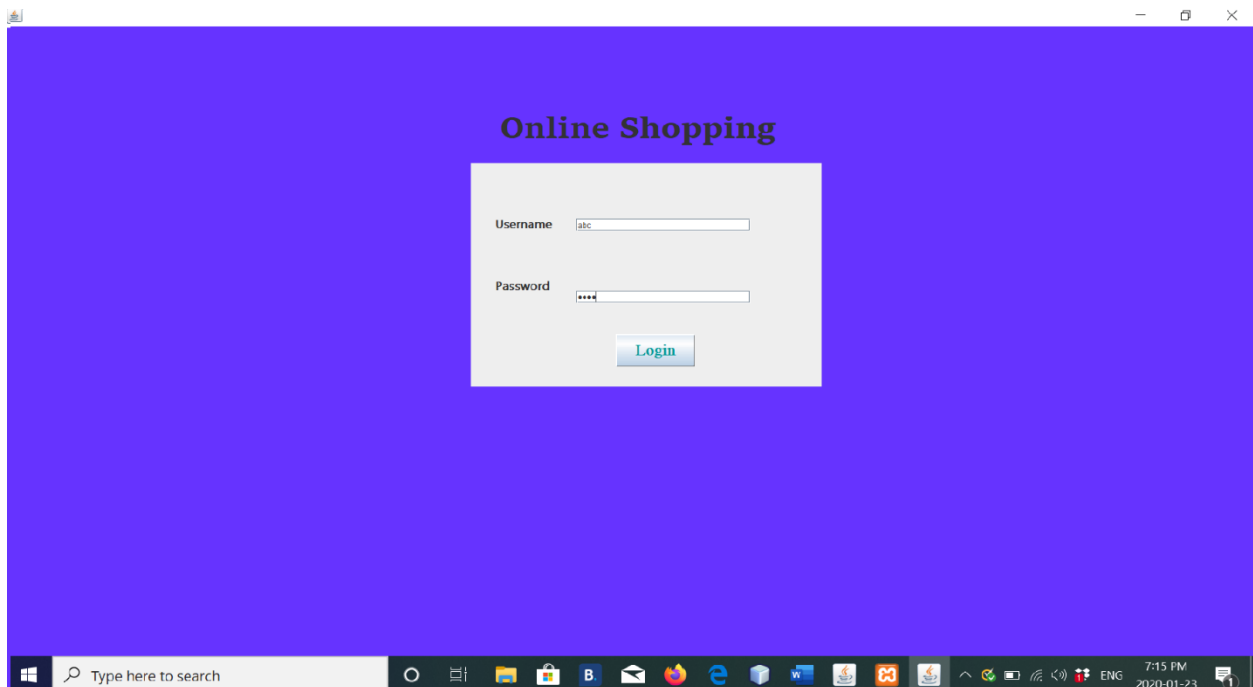


Figure 2.Login Page



WELCOME!

Search the Product

Search

REFERENCES

- <https://www.youtube.com/watch?v=PWgUthdE9GA>
- <http://1bestcsharp.blogspot.com/2016/01/java-and-mysql-insert-update-delete-display.htmls>
- www.Google.com