Tops Technologies

Software Engineering Assignment

★ Q/A

Q 1) what is software ? What is software engineering ?

Ans Software :-

-> A set of instructions, data or programs used to operate computers & execute specific tasks.

-> They are intangible parts of computer.

⇒ Software Engineering :-

-> It is branch of computer science that deals with design, development testing and maintenance of software applications.

-> It is engineering based approach for software development.

Q 2 Explain types of software

Ans Types of software

① Application Software

-> This includes software applications which are used in day-to-day life

Eg:- MS office, Downloaded games, sublime etc.

② System Software

-> This includes software which are inbuilt in system.

Eg:- operating system, calculator etc

③ Driver Software

-> This includes drivers which are installed automatically in system

Eg:- Audio, Video, Printer etc.

④ Middleware Software

-> The software which interacts between system and applications

Eg:- Database Middleware, server Middleware ie. word, excel etc.

⑤ Programming Software.

-> The software in which we do programming

Eg:- Dev C++, VS code, eclipse etc.

Q-3 Explian SDLC and each phase of SDLC.

Ans SDLC means Software Development Life cycle.

-> There are 6 six stages of it

① Requirement Gathering

-> It gathers all requirement of client.

② Analysis

-> It does analysis regarding the requirements presented by clients.

③ Designing

-> It includes the designing part of software includes front end part.

(4) Implementation

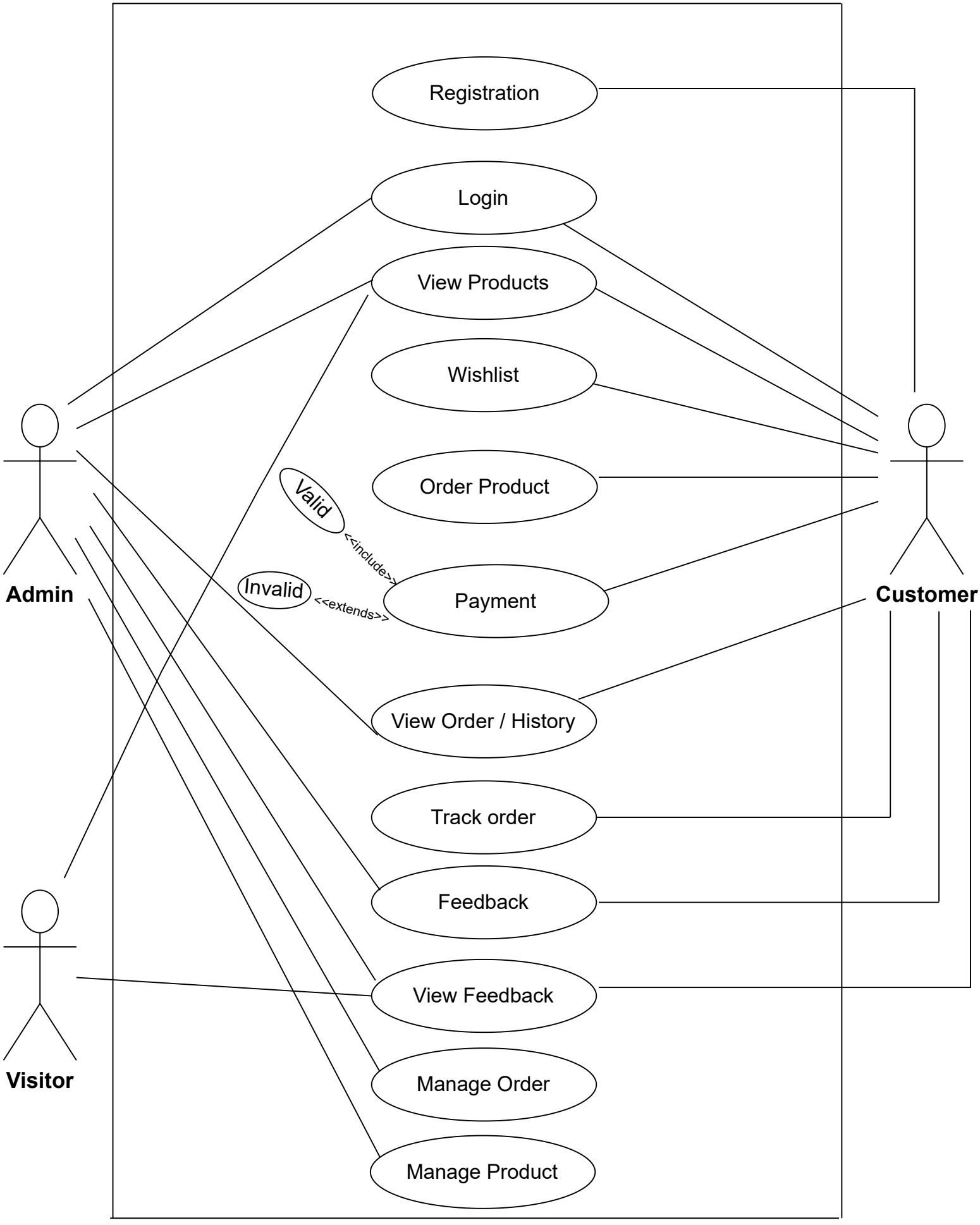
-> It includes the coding part of software i.e. includes back-end part.

(5) Testing

-> It includes the testing of software which is made according to requirement

(6) Maintanence

-> It includes maintenance of software.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Login
View Products
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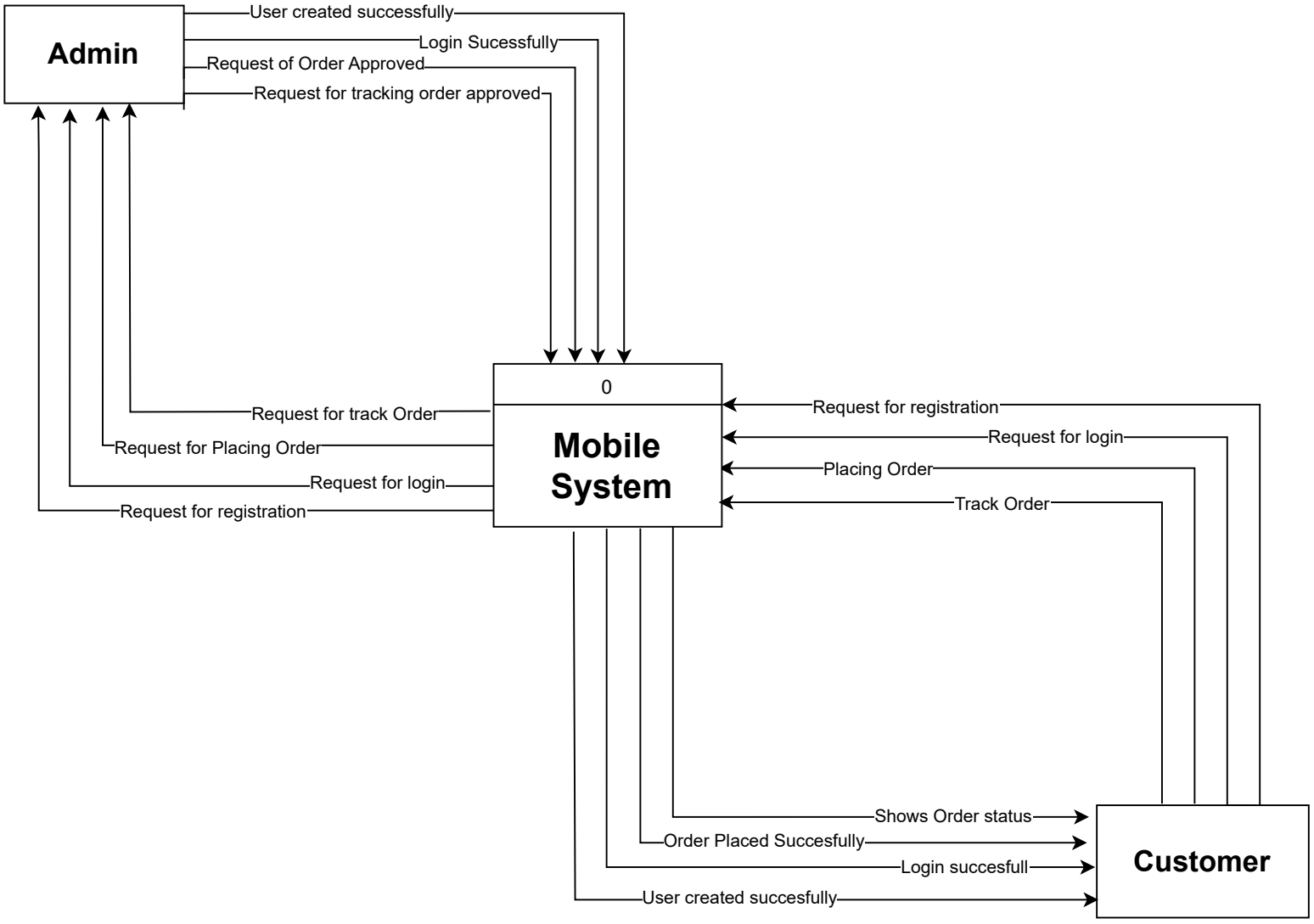
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User created successfully
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Request of Order Approved
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Request for track Order
Request for Placing Order
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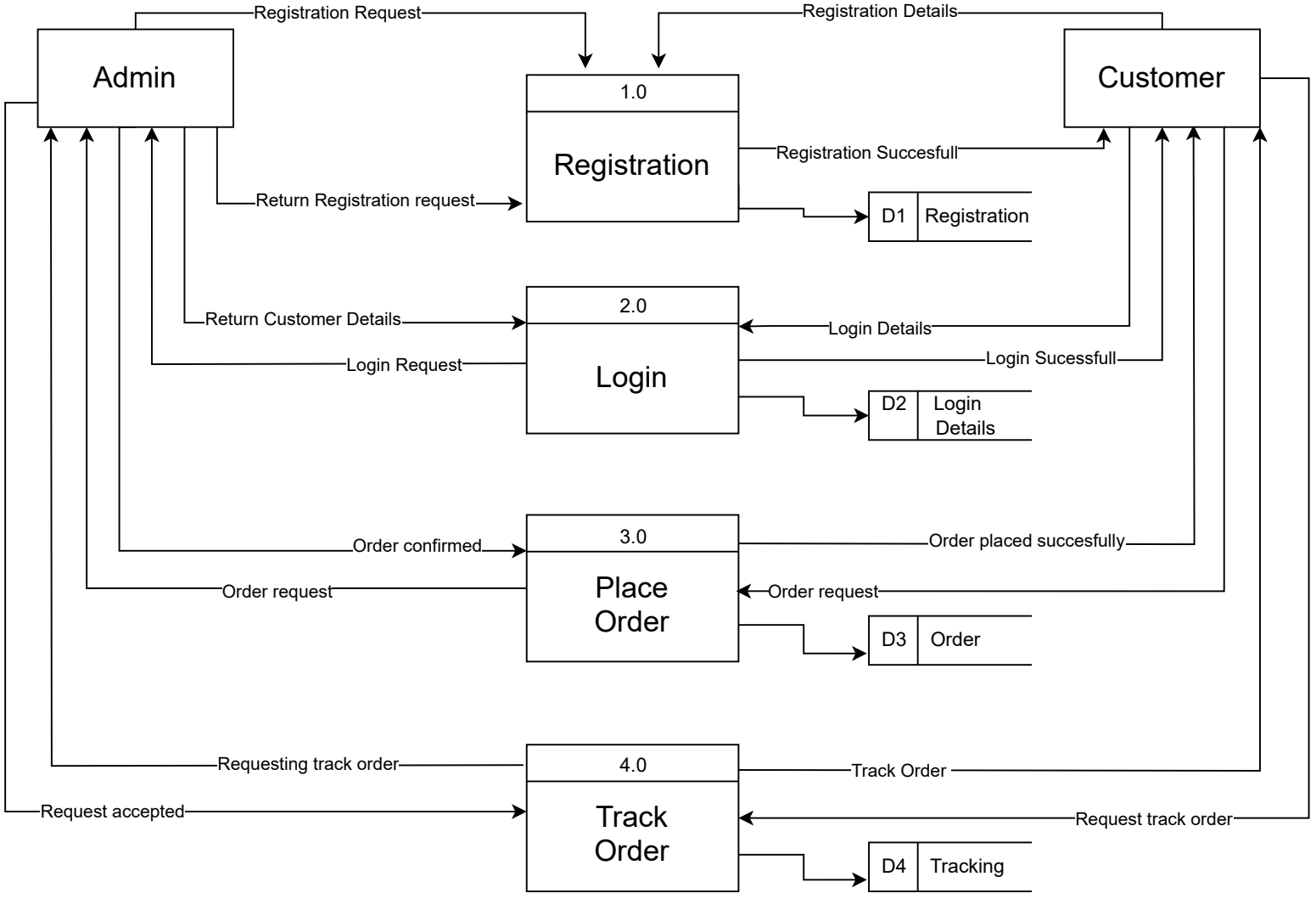
Placing Order
Track Order
Shows Order status
Order Placed Succesfully
Login succesfull
User created succesfully
Customer


Admin
Customer
Registration Request
Registration Details
1.0
Registration
Registration Succesfull
Return Registration request
D1
Registration
2.0
Login
Return Customer Details
Login Details
Login Request
Login Sucessfull
D2
Login Details
3.0
Place Order
Order confirmed
Order placed succesfully
Order request
Order request
D3
Order
4.0
Track Order
Requesting track order
Request accepted
Request track order
D4
Tracking

DATA DICTIONARY

Customer Table :

FIELD	DATATYPE	SIZE	KEY	DESCRIPTION
Customer_Id	Integer	20	Primary Key	Store into customer id
Customer_Name	Varchar	30	Not Null	Store into customer name
Customer_Phone No.	Integer	20	Not Null	Store into customer phone no.
Customer_Email	Varchar	30	Not Null	Store into customer email
Customer_Password	Varchar	30	Not Null	Store into customer password

Admin Table :

FIELD	DATATYPE	SIZE	KEY	DESCRIPTION
Admin_Id	Integer	20	Primary Key	Store in admin id.
Admin_Name	Varchar	30	Not Null	Store in admin name.
Admin_Password	Varchar	30	Not Null	Store in admin password
Admin_Email	Varchar	30	Not Null	Store in admin email

Order Table :

FIELD	DATATYPE	SIZE	KEY	DESCRIPTION
Order_Id	Integer	20	Primary Key	Store into order id
Customer_Id	Integer	20	Foreign Key	Store into customer id.
Product_Id	Integer	20	Foreign Key	Store into product id.
Product_Name	Varchar	30	Not Null	Store into product name
Customer_Name	Varchar	30	Not Null	Store into customer Name
Order_Status	Varchar	30	Not Null	Store into order status.
Order_Quantity	Integer	20	Not Null	Store into order quantity
Total_Price	Integer	30	Not Null	Store into total price
Order_Date	Date	20	Not Null	Store into order date.

Payment Table :

FIELD	DATATYPE	SIZE	KEY	DESCRIPTION
Order_Id	Integer	20	Foreign Key	Store into order id
Order_Amount	Integer	20	Not Null	Store into order amount
Customer_Name	Varchar	30	Not Null	Store into customer name

Cart Table :

FIELD	DATATYPE	SIZE	KEY	DESCRIPTION
Cart_Id	Integer	20	Primary Key	Store into cart id.
Product_Id	Integer	20	Foreign Key	Store into product id.
Product_Name	Varchar	30	Not Null	Store into product name
Product_Image	Varchar	30	Not Null	Store into product image
Product_Quantity	Integer	20	Not Null	Store into product quantity
Product_Price	Integer	20	Not Null	Store into product price

Product Table :

FIELD	DATATYPE	SIZE	KEY	DESCRIPTION
Product_Id	Integer	20	Primary Key	Store into product id.
Product_Name	Varchar	30	Not Null	Store into product name
Product_Quantity	Integer	20	Not Null	Store into product quantity
Product_Image	Varchar	30	Not Null	Store into product image
Product_Price	Integer	20	Not Null	Store into product price

Feedback Table :

FIELD	DATATYPE	SIZE	KEY	DESCRIPTION
Customer_Id	Integer	20	Foreign Key	Store into customer id.
Product_Id	Integer	20	Foreign Key	Store into product id.
Customer_Name	Varchar	30	Not Null	Store into customer name
Product_Name	Varchar	30	Not Null	Store into product name
Feedback_Date	Integer	20	Not Null	Store into feedback date
Feedback_Desc	Varchar	30	Not Null	Store into feedback description

Registration Table :

FIELD	DATATYPE	SIZE	KEY	DESCRIPTION
Customer_Name	Varchar	30	Not Null	Store into customer name
Customer_Email	Varchar	30	Not Null	Store into customer email
Customer_password	Varchar	30	Not Null	Store into customer password
Customer_Phone No.	Integer	20	Not Null	Store into customer phone no