

Software Development Project On

“E-Commerce Shopping System”

In Partial Fulfillment of
Bachelor of Computer Application (BCA)

Monark University (2023-2024)



Developed by:

Mansuri Faizan (129)

Patel Vishva (229)

(Third Year Bachelor of Computer Application)

Internal Faculty Guide:

Prof. Sahil Sabugar

Rudra Goswami College Of Computer Application,
Naroda - DahegamRd, Vahelal,
Ahmedabad – 382330.

College Certificate

MONARK UNIVERSITY

RUDRA GOSWAMI COLLEGE OF
COMPUTER APPLICATION

[Oct-2023]



This is to certify that this project entitled “**E-Commerce Shopping system**” is carried out by **Mansuri Faizan & Patel Vishva** Studying at Bachelor of Computer Application in 5th Semester (Rudra Goswami BCA College, Ahmedabad) for partial fulfillment Bachelor of Computer Application degree to be awarded by Monark University.

This project work has been carried out under faculty Guidance. The project is fit to be considered at for evolution for the degree Of Bachelor of Computer Application.

Place: Ahmedabad

Guide Name:

Prof. Sahil Sabugar

Principle Name:

Prof. Vanita Dandhwani

ACKNOWLEDGEMENT

With due sense of respect and gratitude, We would like to extend our heartiest thanks to all those people who provide us wonderful guidance, support and experience to work at

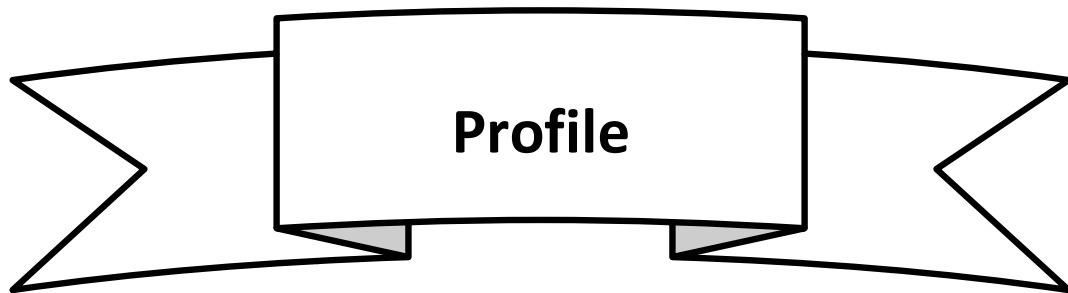
E-Commerce Shopping System

We will fall short in our duties, if we forget those people, which not only carved this way for us, but where there, whenever called for Prof. Sahil Sabugar, faculty of Rudra Goswami College of Computer Application and internal project guide us. They created desire in us to pursue our goal and to attain new heights. We acknowledge the kind assistance and encouragement given by him by giving us valuable information and clarifying our doubts. Also the other faculty members and our faculties of our lab have been very kind to us in the competition of our project.

These formal thanks are only TOKEN that we present to these wonderful people to appreciate their support and guidance given by them.

INDEX

No.	INDEX	PAGE NO.
1	COMPANY PROFILE	06
2	PROJECT PROFILE	07
3	PROJECT DEFINITION	08
4	EXISTING SYSTEM	10
5	PROPOSED SYSTEM	11
6	TOOLS AND TECHNOLOGY	12
7	MODULES	14
8	DATA FLOW DIAGRAM	16
9	ENTITY RELATIONSHIP DIAGRAM	20
10	DATA DICTIONARY/TABLE DESIGN	22





Creative Optimum Solution

08-10-2023

TO WHOMSOEVER IT MAY CONCERN

We are pleased to inform you the Mr. Faizan Mansuri, BCA of Rudra Goswami College of Computer Application Have been Selected for the Final Year Project Internship on .NET & Angular at Creative Optimum Solution.

Project Detail:

Backend- .Net core

Frontend- Angular

Database- Sql server

Defination: E-commerce application

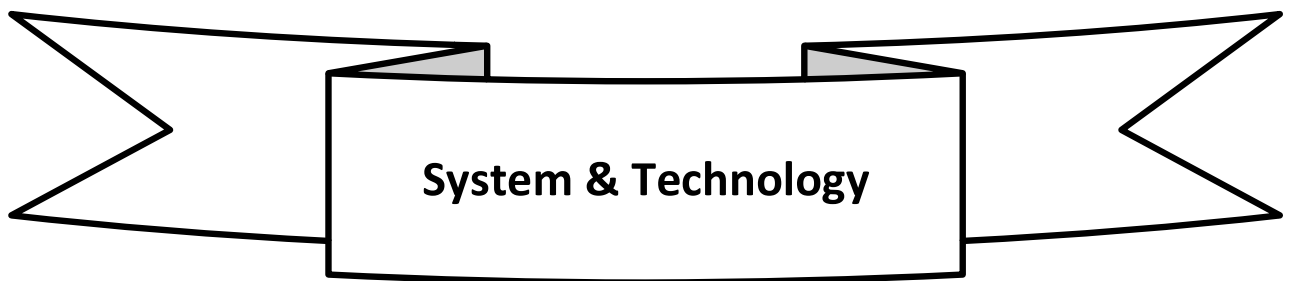
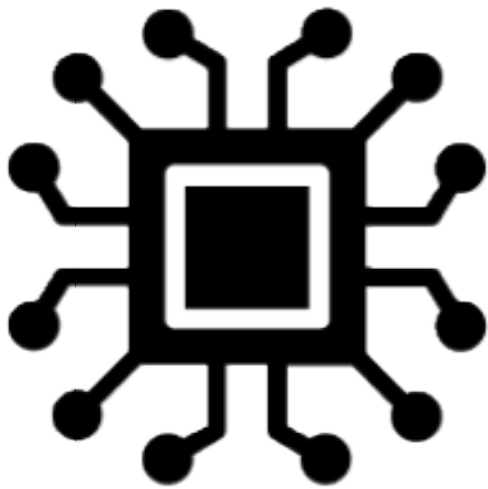
www.creativeoptimumsolution.com

PROJECT PROFILE

Project Title	Shopping System
Project Category	E-Commerce Web Application
Frontend	HTML5, CSS3, TYPESCRIPT & ANGULAR
Backend	C# & .NET
Server	SQL
IDE	Visual Studio Code
Guide	Prof. Sahil Sabugar
Member	Mansuri Faizan (129) Patel Vishva (229)
Group No.	60

PROJECT DEFINITION

- ✓ Our E-Commerce Shopping System is a method of buying goods and services online. Our system allows people to buy good services & digital products.
- ✓ Our E-Commerce System is a complete shopping facility system program which looks after all of your customers, orders, and other activities.
- ✓ Our E-Commerce Shopping System is Provide lots of functions.
- ✓ Such data entry of customer, keeping records of all the things about customer's orders pending payments and other good services. This system structure is become very simple to understand because of Data Flow Diagram provided by us.
- ✓ The demo of using the software such as customer detail from, data base of system is also provided by us.



System & Technology

EXISTING SYSTEM

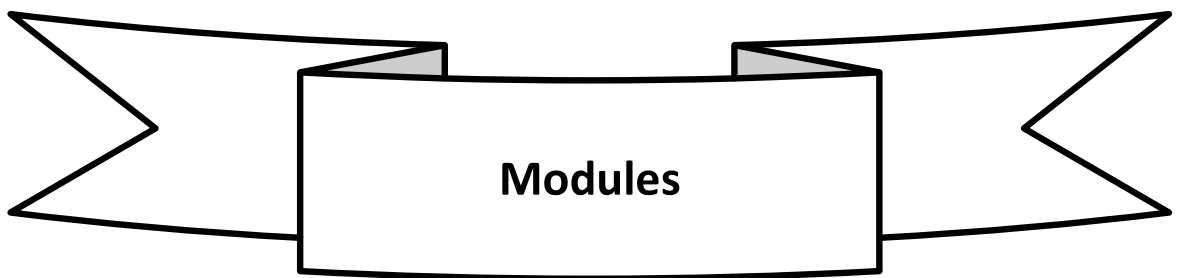
- The Existing System has several modules like registration, orders and product list etc.
- All these modules currently run manually and on basis of paper work.
- These Existing E-Commerce Shopping System is based on paper work. And the documentation of current system is traditional documentation and management.

PROPOSED SYSTEM

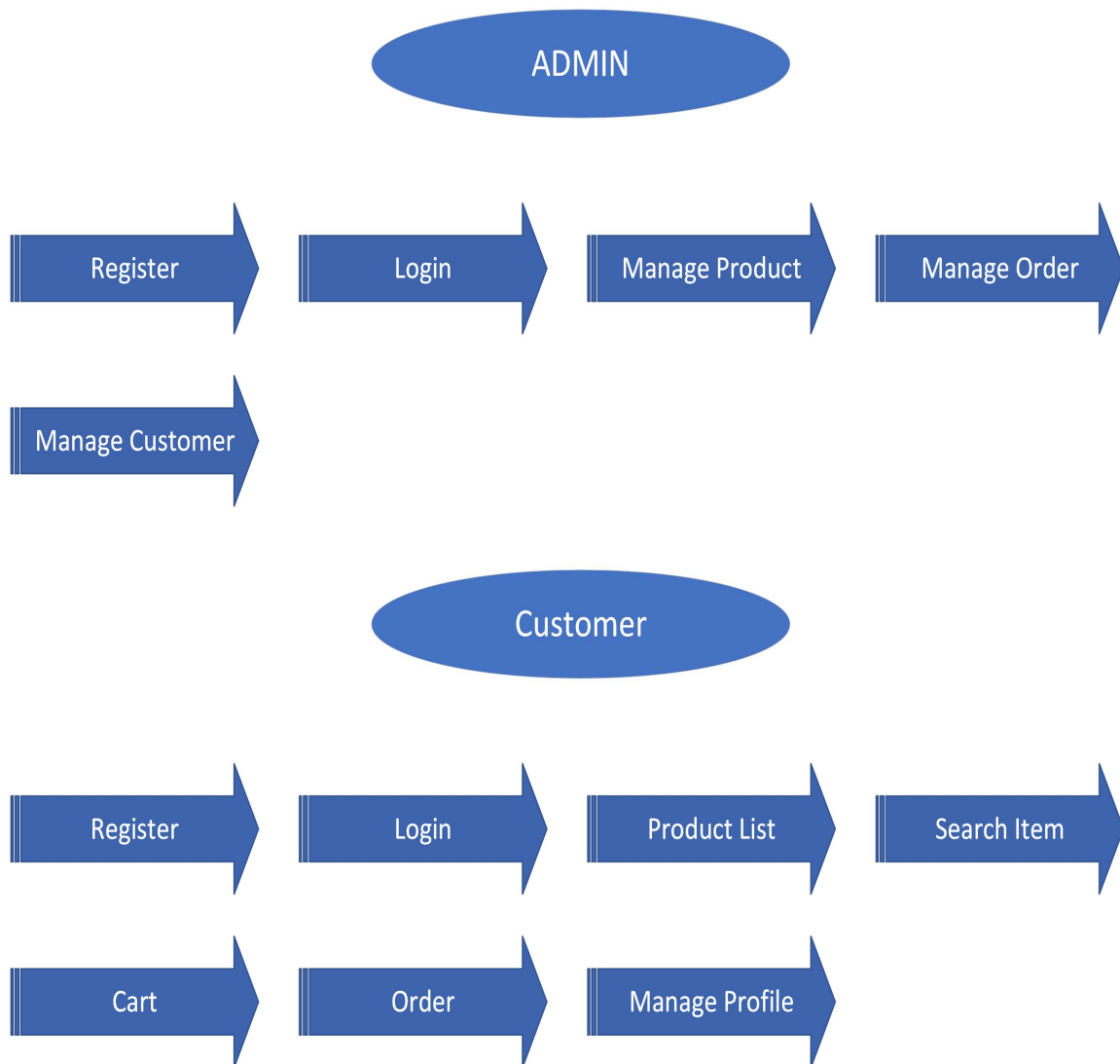
- Our E-Commerce Shopping System is Login Authentication, The user cannot access any page without login. Once user is logged in the Application they will not allow to login again till login is Expired.
- Our Application is single page Application. The page content and url changed without loading page. Our Application is user Friendly.

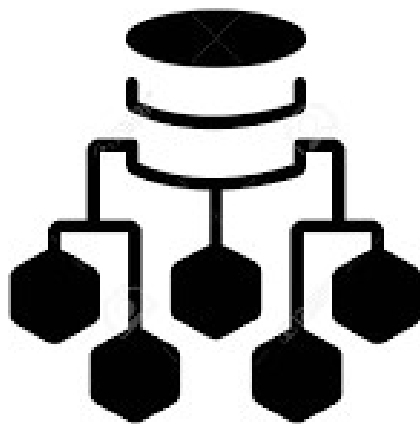
TOOLS & TECHNOLOGY

TOOLS AND TECHNOLOGY	DISCRIPTION
HARDWARE	Intel Core i3 and above processor 8 GB RAM 512 GB HDD
SOFTWARE	Visual studio code, SQL server
FRONTEND	UI-DEVELOPMENT: HTML5, CSS3, ANGULAR, TYPESCRIPT, BOOTSTRAP.
BACKEND	C# & .NET CORE
SERVER	IIS

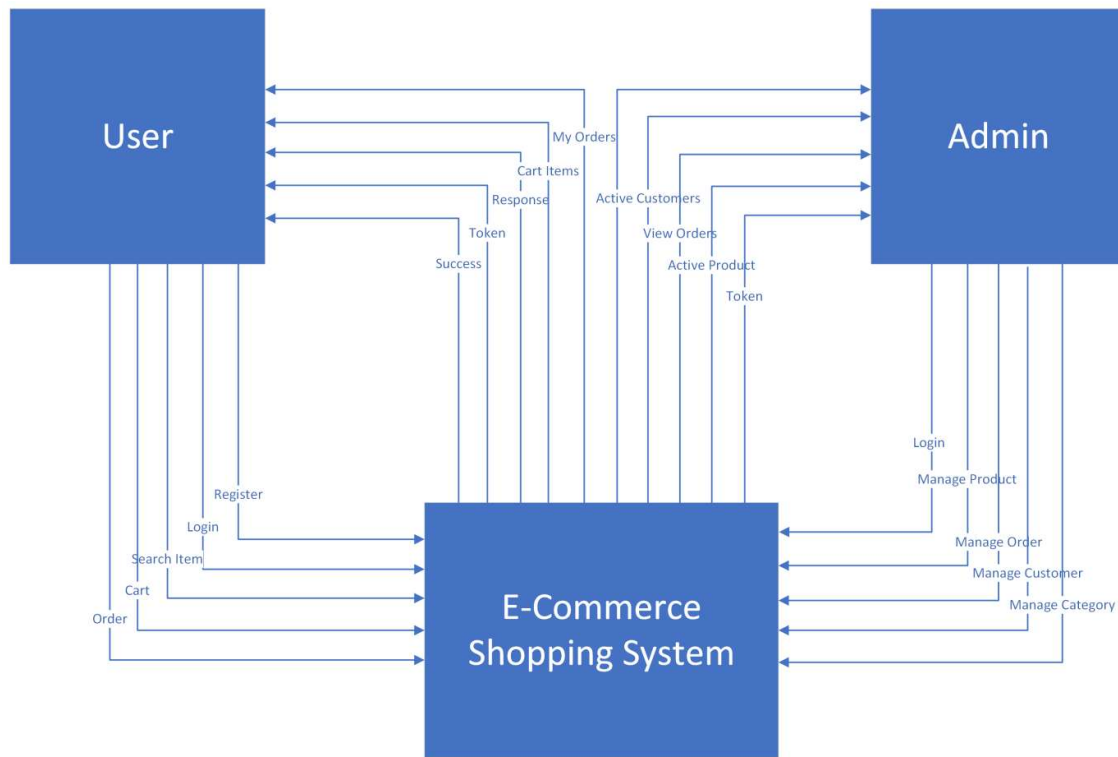


MODULES

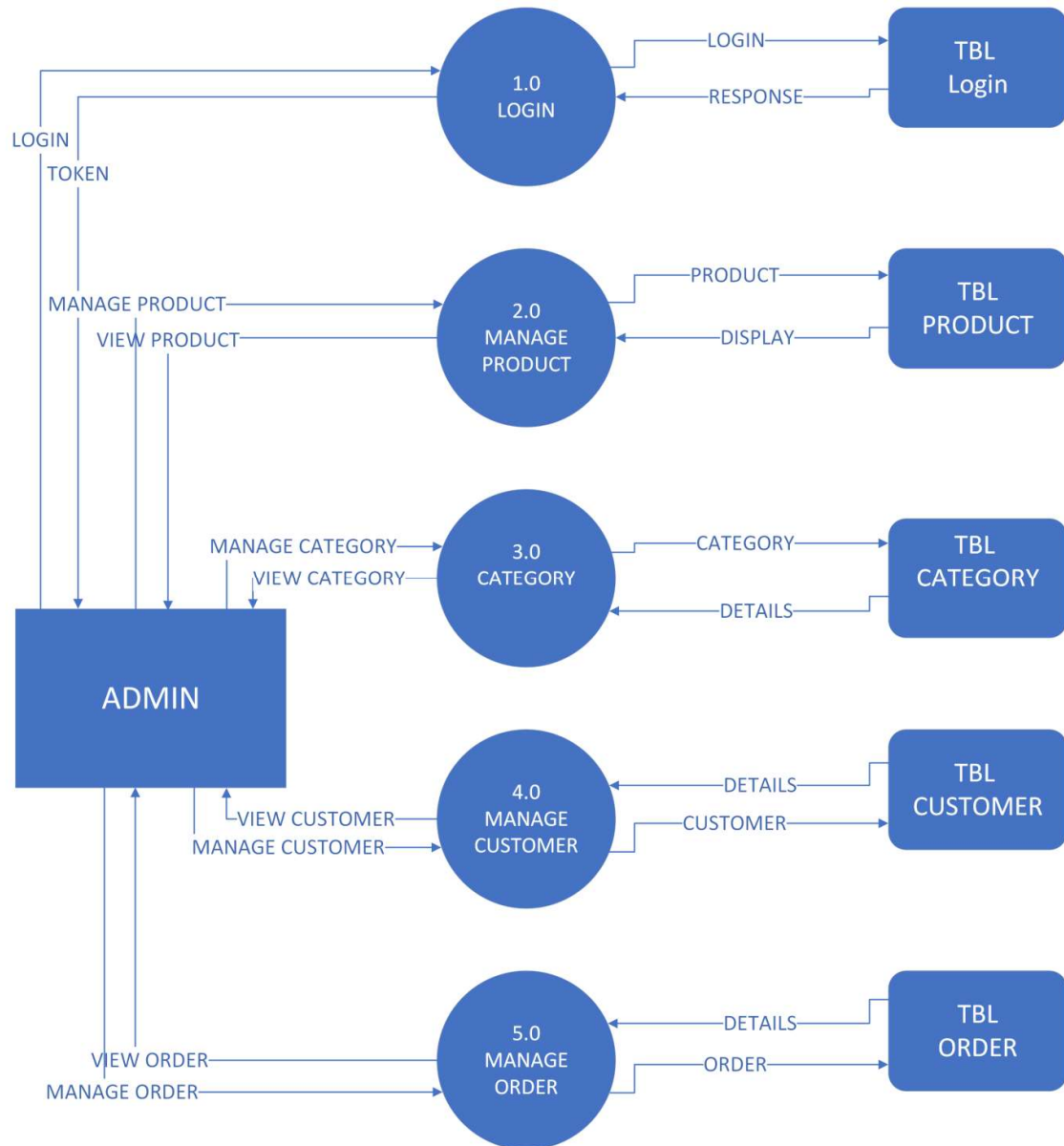




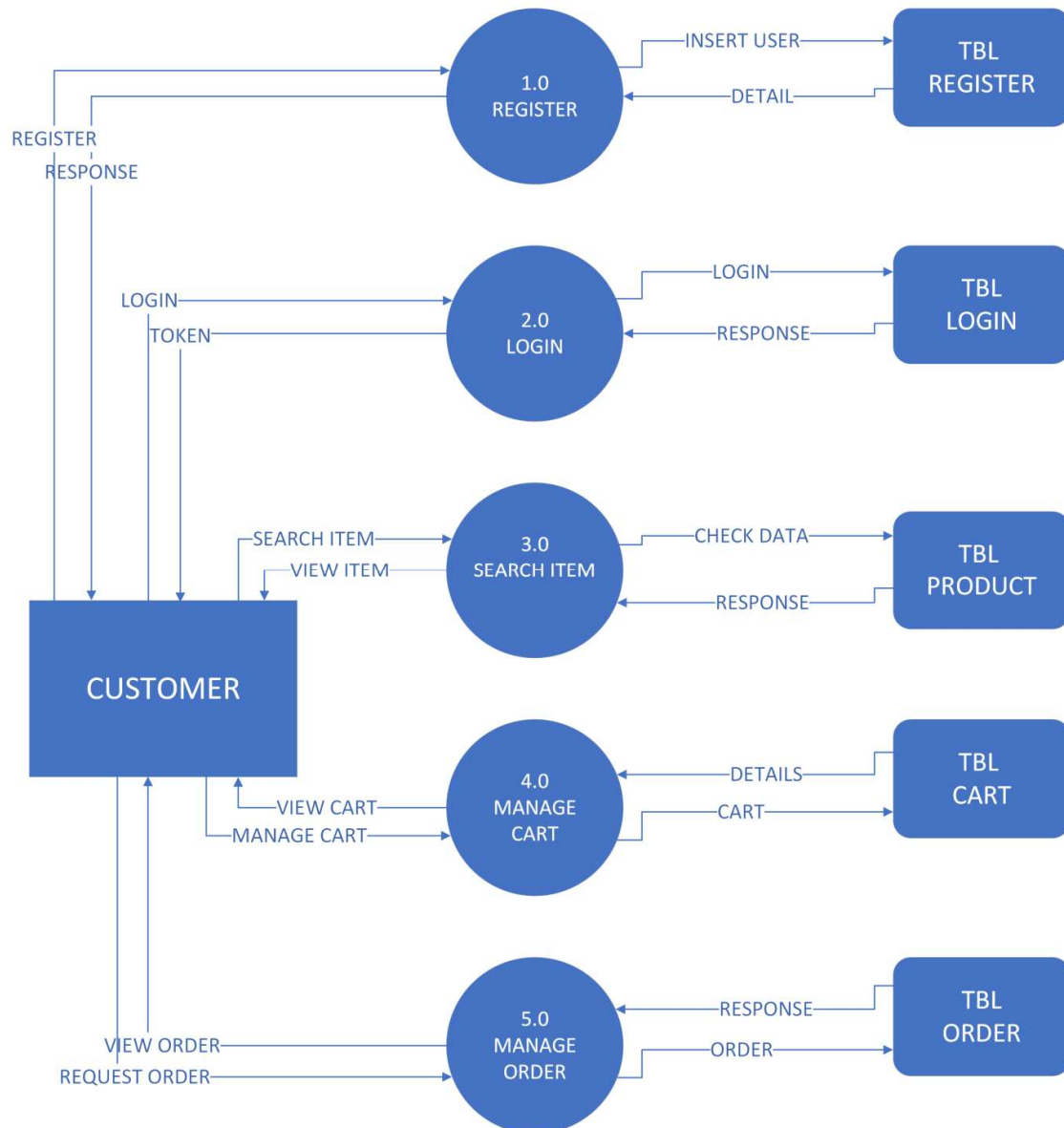
DATAFLOW DIAGRAM

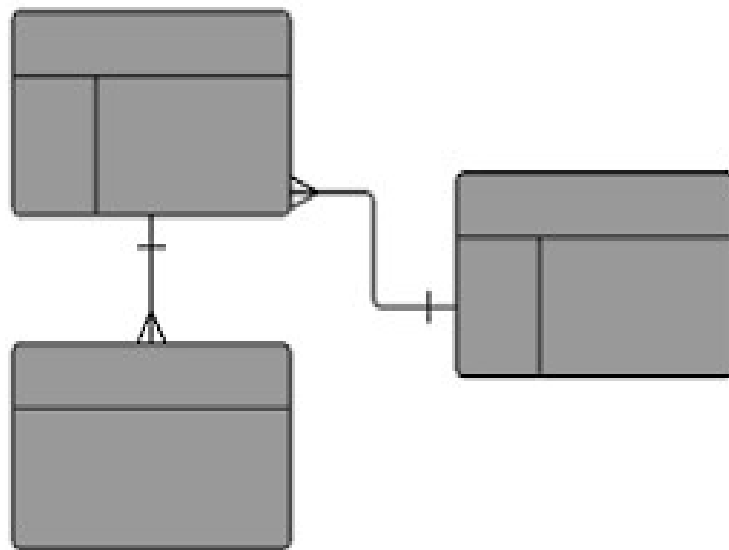


LEVEL 1- ADMIN



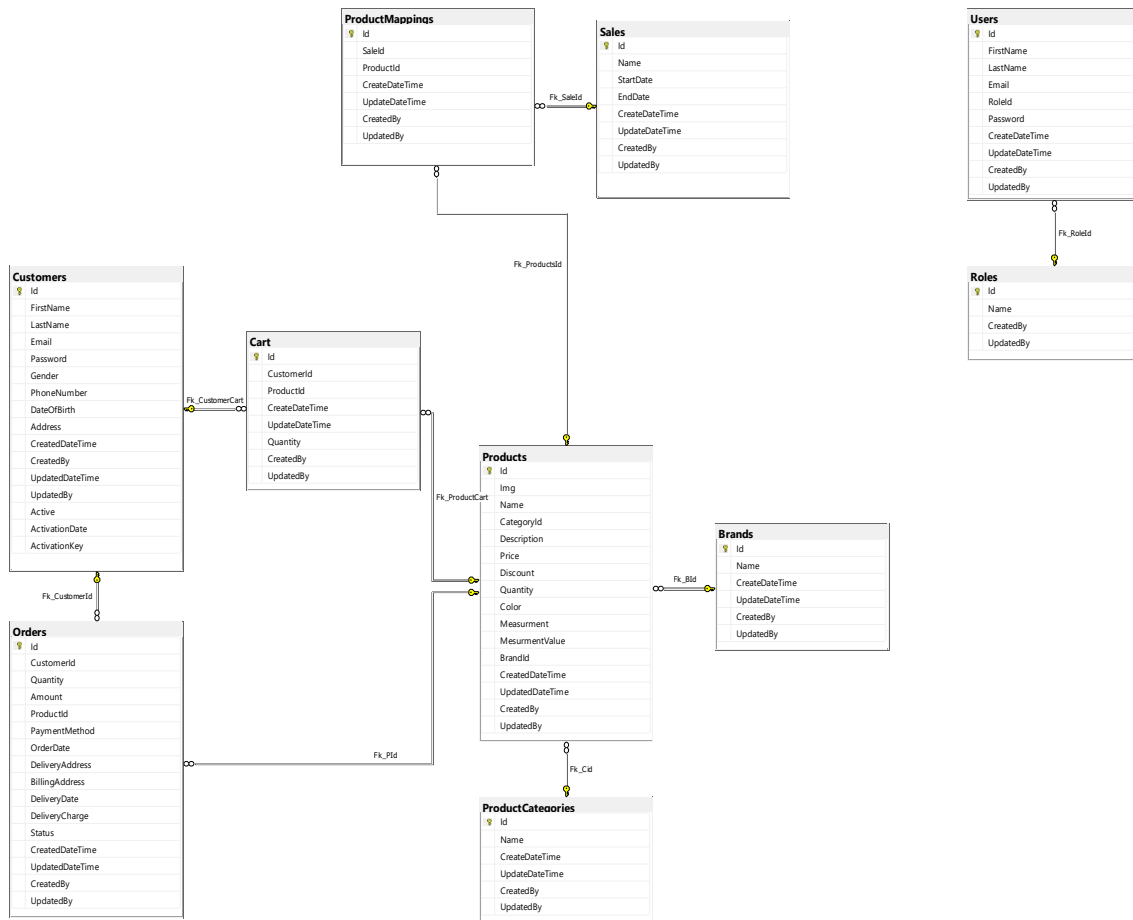
LEVEL 2- CUSTOMER

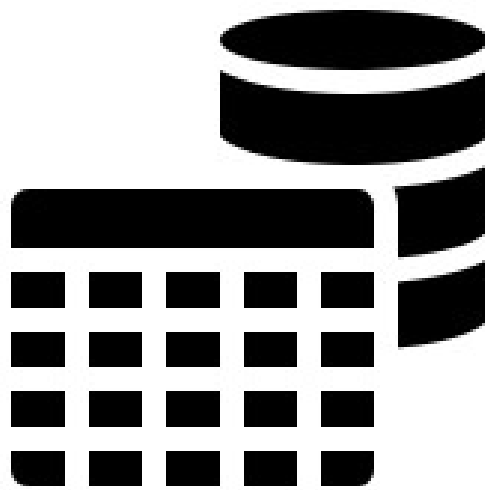




ERD Diagram

ENTITY RELATIONSHIP DIAGRAM





LIST OF TABLE

NO.	TABLE NAME
1	Customers
2	Products
3	Orders
4	Role
5	Cart
6	Categories
7	Brands
8	Users
9	Sales
10	ProductMapping

TABLE 1 Customers

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int	-	Primary Key	Customer Id
2	FirstName	Varchar	15	not null	Customer FirstName
3	LastName	Varchar	15	not null	Customer LastName
4	Email	Varchar	50	not null	Custmoer Email
5	Password	Varchar	10	not null	Customer Password
6	Gender	Varchar	10	not null	Customer Gender
7	PhoneNumber	Varchar	10	not null	Customer Number
8	DateofBirth	Datetimeoffset	-	not null	Customer DOF
9	Address	Varchar	100	not null	Customer Address
10	CreatedDateTime	Datetimeoffset	-	not null	Created Date Time
11	CreatedBy	Int	-	not null	Created By
12	UpdatedDateTime	Datetimeoffset	-	null	Updated Date Time
13	UpdatedBy	Int	-	null	Updated By
14	Active	Bit	-	not null	Is Customer Active ?
15	ActivationDate	Datetimeoffset	-	not null	Cusdtomer Activated date
16	Activationkey	Varchar	5	not null	Customer Activation Key

TABLE 2 Products

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int	10	Primary Key	Product Id
2	Img	Varbinary	max	not null	Product Img
3	Name	Varchar	30	not null	Product Name
4	CategoryId	Int	-	Foreign Key	Product Category
5	Description	Varchar	100	not null	Product Description
6	Price	Int	-	not null	Product Price
7	Discount	Int	-	not null	Product Discount
8	Quantity	Int	-	not null	Available
9	Color	Varchar	15	not null	Product Color
10	Measurment	Varchar	15	not null	Measurment Of Product
11	MeasurementValue	Varchar	10	not null	Measurement value
12	BrandId	Int	-	not null	Product Brand
13	CreatedDateTime	Datetimeoffset	-	not null	Created Date Time
14	CreatedBy	Int	-	not null	Created By
15	UpdatedDateTime	Datetimeoffset	-	null	Updated Date Time
16	UpdatedBy	Int	-	null	Updated By

TABLE 3 Orders

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int	10	Primary Key	Order Id
2	CustomerId	Int	-	Foreign Key	Customerid
3	Quantity	Int	-	not null	Order Product Quantity
4	Amount	Int	-	not null	Order Amount
5	ProductId	Int	-	not null	Order Product Id
6	PaymentMethod	Varchar	20	not null	Customer Payment Method
7	OrderDate	Datetimeoffset	-	not null	Order Date
8	DeliveryAddress	Varchar	100	not null	Order Delivery Address
9	DeliveryDate	Datetimeoffset	-	not null	Order Delivery Date
10	DeliveryCharge	Int	-	not null	Delivery Charge
11	Status	Varchar	10	not null	Delivery Status
12	CreatedDateTime	Datetimeoffset	-	not null	Created Date Time
13	CreatedBy	Int	-	not null	Created By
14	UpdatedDateTime	Datetimeoffset	-	null	Updated Date Time
15	UpdatedBy	Int	-	null	Updated By

TABLE 4 Role

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int	10	Primary Key	Role Id
2	Name	Varchar	20	not null	Role Type
3	CreatedBy	Int	-	not null	Created By
4	UpdatedBy	Int	-	not null	Updated By

TABLE 5 Cart

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int	10	Primary Key	Cart Id
2	CustomerId	Int	-	Foreign Key	Customer
3	ProductId	Int	-	Foreign Key	Product
4	Quantity	Int	-	not null	Cart Quantity
5	CreatedDateTime	Datetimeoffset	-	not null	Created Date Time
6	CreatedBy	Int	-	not null	Created By
7	UpdatedDateTime	Datetimeoffset	-	null	Updated Date Time
8	UpdatedBy	Int	-	null	Updated By

TABLE 6 ProductCategories

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int	10	Primary Key	Cart Id
2	Name	Varchar	20	not null	Category Name
3	CreatedDateTime	Datetimeoffset	-	not null	Created Date Time
4	CreatedBy	Int	-	not null	Created By
5	UpdatedDateTime	Datetimeoffset	-	null	Updated Date Time
6	UpdatedBy	Int	-	null	Updated By

Table 7 Brands

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int	10	Primary Key	Cart Id
2	Name	Varchar	20	not null	Category Name
3	CreatedDateTime	Datetimeoffset	-	not null	Created Date Time
4	CreatedBy	Int	-	not null	Created By
5	UpdatedDateTime	Datetimeoffset	-	null	Updated Date Time
6	UpdatedBy	Int	-	null	Updated By

TABLE 8 Users

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int	10	Primary Key	Cart Id
2	FirstName	Varchar	15	not null	User Firstname
3	LastName	Varchar	15	not null	User Lastname
4	Email	Varchar	50	not null	User Email
5	Role Id	Int	-	Foreign Key	Users Role
6	Password	Varchar	15	not null	User Pasword
3	CreatedDateTime	Datetimeoffset	-	not null	Created Date Time
4	CreatedBy	Int	-	not null	Created By
5	UpdatedDateTime	Datetimeoffset	-	null	Updated Date Time
6	UpdatedBy	Int	-	null	Updated By

TABLE 9 Sales

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int	10	Primary Key	Cart Id
2	Name	Varchar	20	Not null	Sale Name
3	StartDate	Datetimeoffset	-	Not null	Sale startdate
4	End Date	Datetimeoffset	-	Not null	Sale end date
5	CreatedDateTime	Datetimeoffset	-	Not null	Created Date Time
6	CreatedBy	Int	-	Not null	Created By
7	UpdatedDateTime	Datetimeoffset	-	Null	Updated Date Time
8	UpdatedBy	Int	-	Null	Updated By

TABLE 10 ProductMapping

NO	FIELD_NAME	DATATYPE	SIZE	CONSTRAINT	DESCRIPTION
1	Id	Int		Primary Key	Mapping Id
2	SaleId	Int	-	Foreign key	Sale id
3	ProductId	Int	-	Foreign key	Sale on which product
4	CreatedDate	Datetimeoffset	-	not null	Created Date Time
5	CreatedBy	Int	-	not null	Created By
6	UpdatedDate	Datetimeoffset	-	null	Updated Date Time
7	UpdatedBy	Int	-	null	Updated by

Thank
you!