

**United College of Engineering and Management  
Naini, Allahabad**

**A  
Project Synopsis  
On  
E-Cart Zone**

Under the guidance of **MR.RATISH SRIVASTAVA**

Submitted  
by

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## **Problem Statement**

This project aims to develop an online shopping for customers with the goal so that it is very easy to shop your loved things from an extensive numbers of stores available nearby customer's location area. With the help of this you can carry out an online shopping from your home. Here is no compelling reason to go to the crowded stores or shopping centers during normal day or in festival seasons. You simply require a PC or a laptop and one important payment sending option to shop online.

To get to this online shopping system all the customers will need to have a email and password to login and proceed your shopping. The login credentials for an online shopping system are under high security and nobody will have the capacity to crack it easily.

Upon successful login the customers can purchase a wide range of things such as mobiles, books, apparel, jeweler, infant care, gifts, tools, etc. can be dispatched using online shopping system. And of course you will get your requested ordered items at your door step.

It is simple. You will pick your favorite items from variety of online shopping sites looking at cost and quality. No need to go physical shops with this you will have more time to spend with your family. It Just need a computer and a payment making options like net banking, credit card, debit card or PayPal. Almost a wide range of things can be brought through online shopping system. You can purchase goods from your bedroom and you will get your goods at your home. It is extremely secure. Customer service is accessible.

## **Proposed Model**

To remove all the disadvantages of conventional methods, a System is proposed which is an online shopping, the purpose of online shopping is to save time, save money. Through online shopping one can save his valuable time. One can watch and see things he wants to buy. Through online shopping we can save our money because prices are less than market price and we receive our bought things at our home. No need to go anywhere and do shopping. We can get different varieties of things online and we can choose which one we want.

Through Online Shopping, a person who wants to buy is a lifestyle e-commerce web application, which retails various fashion and lifestyle products. This project allows viewing various products available enables registered users to purchase desired products instantly using PayPal payment processor (Instant Pay) and also can place order by using Cash on Delivery (Pay Later) option. This project provides an easy access to Administrators and Managers to view orders placed. Using Pay Later and Instant Pay options. In order to develop an e-commerce website, a number of Technologies must be studied and understood.

### **Merits of Proposed Model:-**

**Convenience** : This is one of the main reasons that online shopping has become so popular, as it allows you to switch stores and products by clicking a button rather than traveling to a new store.

**Selection**: Of course, a large selection means that your decision making process may be a bit more difficult, but it also makes it more likely that you will find a high quality product that truly pleases you.

**Immediacy**: When you purchase a new product, whether for yourself or for another person, it is always nice to have that product in your possession immediately.

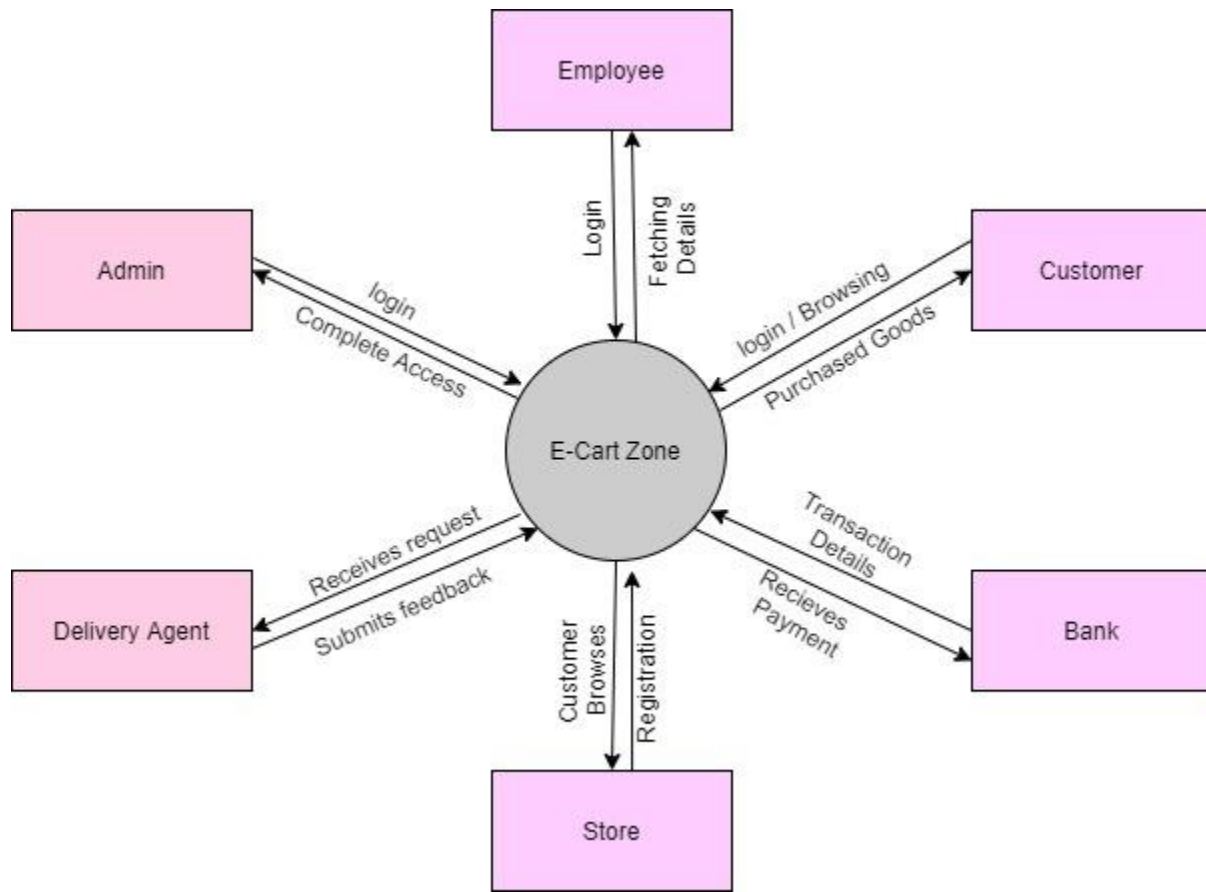
**Quality**: Needless to say, the quality of a product is also very important, And, while most online shopping offers you the ability to return faulty or imperfect products.

**Saving Money**: Another very important aspect of any shopping experience is trying to save as much money as possible. One reason that people enjoy online shopping is that you can often find a product more cheaply online than you can in stores.

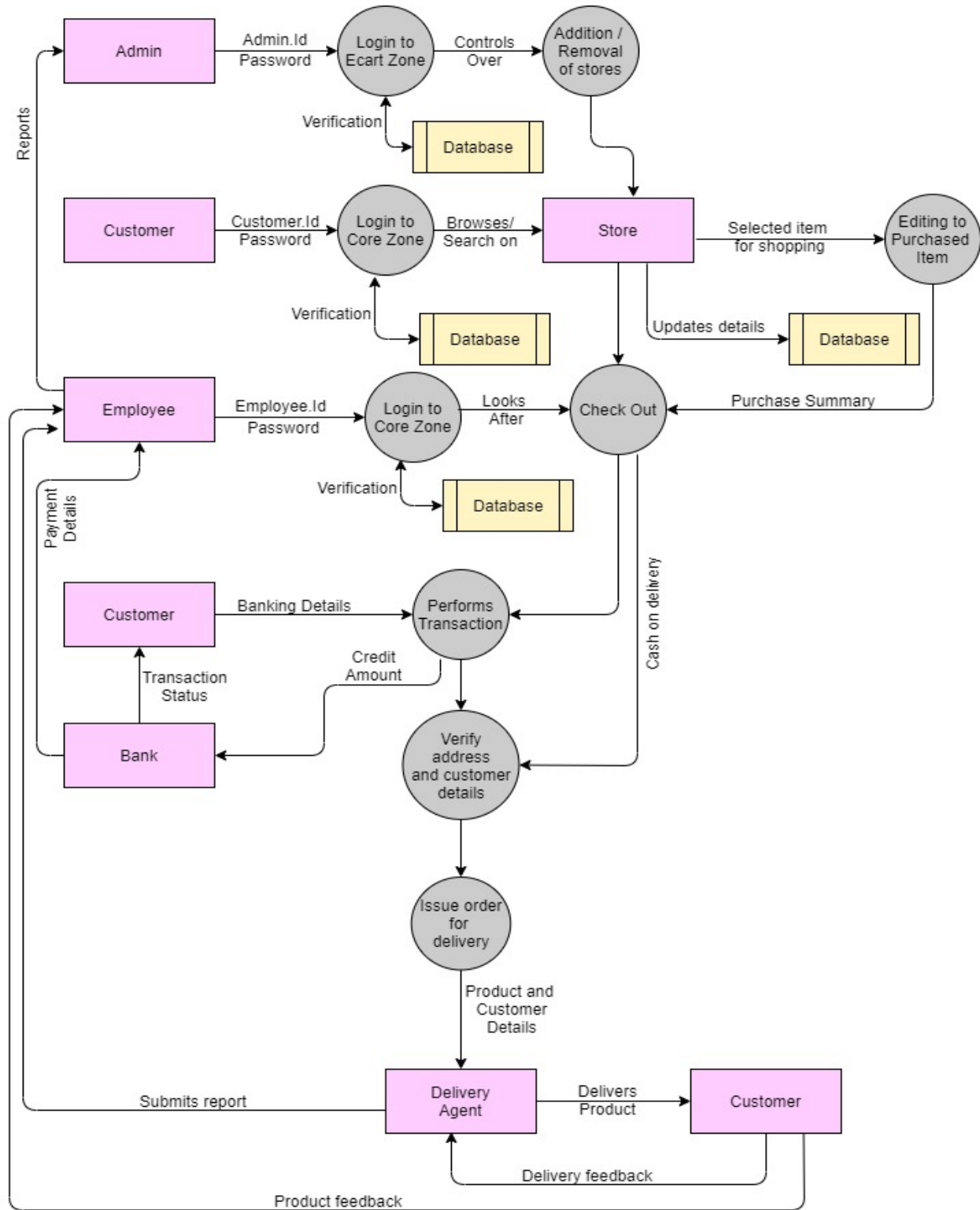
**Discounts and offers**: Yes online shopping is better than online betting we can shop at any of our favorite shop and can get the deliver on same day itself.

# DFD (DATA FLOW DIAGRAMS)

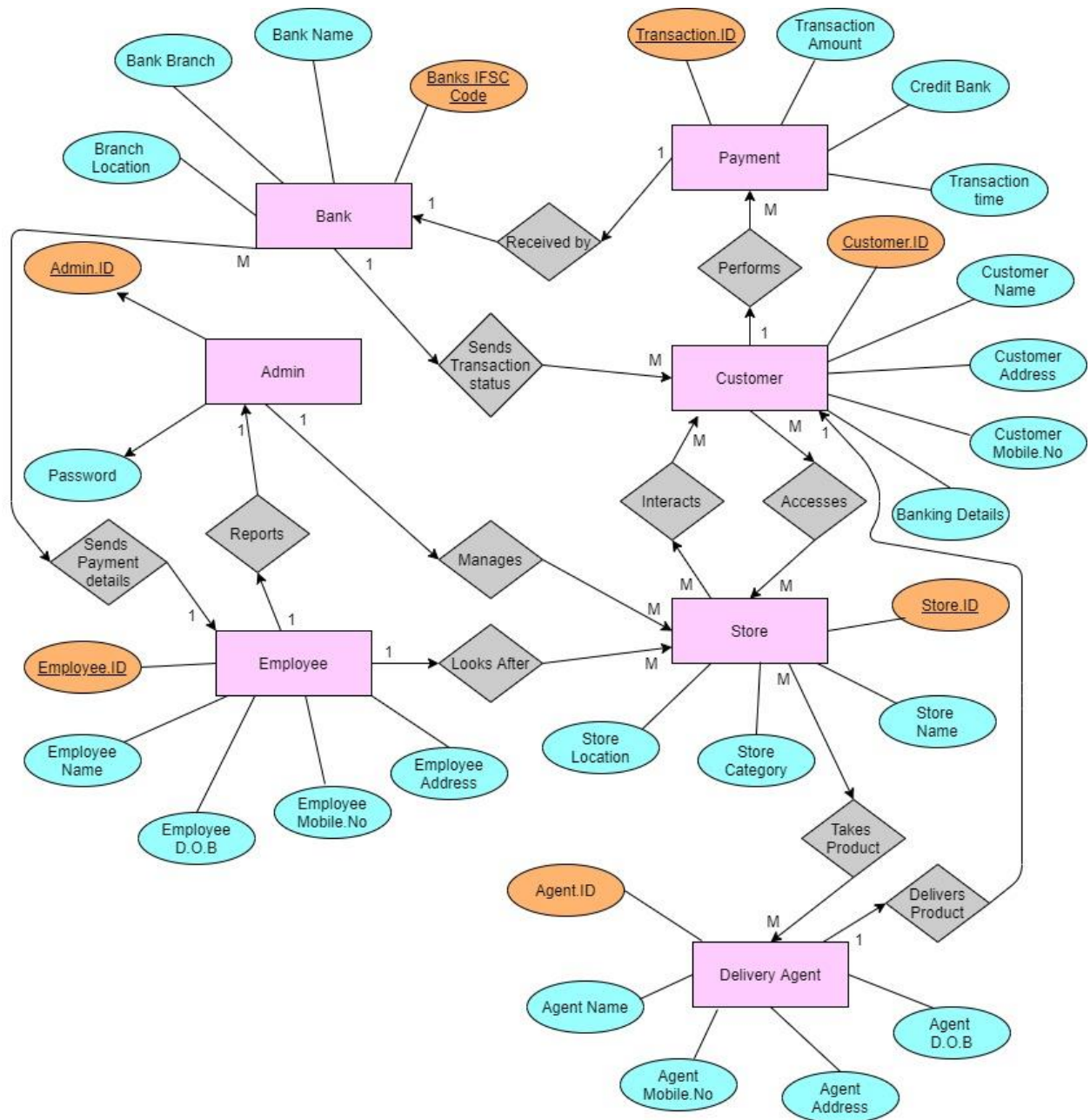
## **Zero level DFD :-**



## 1-Level DFD :-



## ERD (ENTITY RELATIONSHIP DIAGRAM):-



## **DATABASE DESIGN**

- Database is collection of data that can be treated as single unit. This
- Single or individual unit is called table. In relational database system
- Table is combination of rows and columns which show records and fields
- Respectively. After great efforts we determine the main entities, there
- Attribute and relationship among them. After determining all these
- entities, we design the table structure as follows:-

- **Login Table:**

S.R	Field Name	Data Type	Size	Validation
1.	S.No (auto-increment)	Integer	5	
2.	U_name	Varchar	20	Primary Key
3.	Password	Varchar	20	

- **User Registration**

S.R	Field Name	Data type	Size	Validation
1	First Name	varchar	10	
2	Last Name	Varchar	10	
3	Age	Integer	100	
4	Email	Varchar	50	
5	Mobile No	Integer	10	
6	Gender	Enum	1	
7	Passcode	Smallint	6	

- **Store Details Table:**

S.R	Field Name	Data Type	Size	Validation
1.	Store_id	Auto	20	Primary key
2.	Name	Varchar	20	
3.	date	Date		
5.	Address	Varchar	50	
6.	Phone No	Integer	10	
8.	Salary	Integer	10	
9.	S_category	Varchar	20	
10	Product_deatil	Varchar	50	

- **Customer Service Table:**

S.R	Field Name	Data type	Size	Validation
1.	Username	Varchar	10	Primary key
2.	Password	Varchar	30	
3.	Name	Varchar	101	
4.	Address	Varchar	300	
5.	Contact_no	Varchar	12	
6.	Email	Varchar	500	

- **Payment Table:**

S.R	Field Name	Data Type	Size	Validation
1.	P_id	Varchar	20	Primary key
2.	Store_id	Varchar	200	
3.	P_date	Date		
4.	Cust_name	Varchar	67	
5.	Pay_mode	Varchar	50	
6.	Cash	Integer	10	
7.	DD	Integer	23	

- **Product Tracking Table:**

S.R	Field Name	Data Type	Size	Validation
1.	P_id	Varchar	20	Primary key
2.	Cust_name	Varchar	200	
3.	Delvr_date	Date		
4.	Amount	Varchar	67	
5.	Contact_no	Varchar	50	
6.	Address	Varchar	100	
7.	Email	Varchar	56	



## Minimum Hardware/Software requirements

- **Hardware Requirement:-**

- Processor : Intel atom or Above
- Secondary Storage : Dynamic
- RAM : 2GB or Above.

- **Software Requirement**

- Platform : Windows and Linux
- Operating System : Windows 10 or Linux Mint,ubuntu
- Hosting/Domain : Gearhostpreview.com
- Front-End Tool : Pycharm or Sublime text,
- Back- End Tool : MySql Oracle
- Scripting Tool : Java script, XML (style Sheet (.xsl),
- Server :Tomcat

## **MODULE DESCRIPTION**

We know that it is quite difficult to do anything of its whole part at a time.

So it is the task of the programmer to break/split the whole set of task into various small module so that one can handle them effectively. But it depends upon the software system that in which Extent it will be broken so that there is no inter-dependency among them.

This project developed for “**Ecart-Zone**” is broken into following module.

- 1. Admin Module**
- 2. User Module**
- 3. Customer Service Module**
- 4. Employee Module**
- 5. Payment Module**
- 6. Product Tracking Module**
- 7. Searching Module**
- 8. Report Module**
- 9. Security Module**

### **1. ADMIN MODULE: -**

Admin module is mainly for the owner of the system. This module performs the work of regular checking process. Every one needs current information about any thing. So, this module is responsible for updating the information continuously if any, in the system so that one can find timely information. But the main function of this module is to handle security of this system. Different types of authentication and authorization process is performed . This module is also responsible for advertisement bid. Any organizations that are eager for advertisement can contact us for their ad. This module handles the entire task related to advertisement like specifying and allocating the space and related cost.

## **2. USER PAGE MODULE:-**

User page module is for front page of this system. It is the main page of the system in which all the links of this system are kept. Now the main thing is how to make the home page interactive and user friendly so that there should not be any problem for the user. This is the task of the system administrator to make the home page Interactive.

## **3. CUSTOMER SERVICE MODULE:**

In the customer service module, the customer will use this website of “Ecart-Zone”. And also the customer send the request to the seller.

## **4. EMPLOYEE MODULE:-**

In employee module, all the employee related information stored and managed in this module. Employee will look all the demand of the customer and serve it.

## **5. PAYMENT MODULE:-**

In this module, the customer will payment in different mode like demand draft, or by credit card.

## **6. PRODUCT TRACKING MODULE:-**

In this module, the customer demand for the product and payment for that product and after that the customer will contact with the product tracking module.

## **7. SEARCH MODULE:-**

Search module provides search facilities to the search different product to the purchase.

## **8. REPORT MODULE:-**

This module generates various reports to higher authorities of the system. As we know that this system has additional functionality to act as a important for the website and also for the which may help in future.

## **9. SECURITY MODULE:-**

Security module is concerned with security of the system. As this system is public website but it has provided security to the admin module only because this module can update information of the system so to make sure that no any unauthorized user could change information. This module has various mechanisms to check the validity of the user.

## **Future scope**

Our goal is to change the traditional way of buying and selling.

- We are committed to nurturing a neutral platform and are practicing to make a hassle free shopping experience for consumers from their favorite store nearby.
- Our aim to make our delivery service is reaching more and more cities. We will practice to actively grow our services and we will make feasible for people to access it by their few clicks in their web browser.
- Not just limited to the web browser we will implement it soon with a application based system.it will be Android as well as IOS compatible apps.
- With growth we will be continually taking user feedback and manipulate and implement with the user requirement.
- We will practice to make our system fast and fluid and secure with continues updates and proper monitoring.
- There will be implementation of chat bot in our system that could help user to provide solution and help them to find out stuff as they want with ease.
- Its will be a interface that will update user with notification like new offer and deals or any delivery related query

# References

- O'Reilly book (Beginner guide to web development).
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