

# **1. SYSTEM OVERVIEW**

## **1.1.Current System**

Currently, there are many shops which have their business up to limited area only. Customers have to visit their shop and shopkeeper have to show many products and their details again and again. It is quite time taking so they hire worker to show products. Many customers have to wait outside because the size of shop is small and due to limited workers. For personal work, shopkeeper have to close shop for a day.

### **Few problems for shopkeeper:**

- Single shop covers business in a specific area
- Expenditures on shop like electricity bills, rent and salary of workers
- Storing of data are on papers
- Bills are manually created on papers
- Presence of shopkeeper at shop is required
- There is certain time limit to have shop open
- For increasing business, he has to open shop in another area which would have above mentioned all problems.

### **Few problems for Customers:**

- Customer has to manage their timings with shop and has to personally visit shop for the details of product.
- Have to wait for shopkeeper to be free from other customers.
- Customer can trust pre-users of same product rather than shopkeeper, here reviews unavailable.
- On the spot selection and comparison of product is quite difficult.

## **1.2.Objectives of the Proposed System**

Proposed system is more beneficial then the current one. As every customer can see the product details and compare two products on their mobile itself. Customer are assured about product by reading reviews from others who used that product. Shopkeeper have not to explain again and again. Shopkeeper can manage his personal work along with his business. Shopkeeper can expand his business in large scale without invest in making of different shops.

### **Benefits of New System for both:**

- Expands business on large scale
- Efficient way to select and compare products on customer's free time
- No unauthorised user can access the data
- Maintain detail of products and all record of money transaction and orders
- Less Capital needed on workers, electricity or rent etc
- Handling of many customers is very easy here
- No limits on opening of shop
- Shopkeeper can do other personal work along with business
- Prices of product are somewhat less than shops as there no extra expenditures on shops

### 1.3. Definition

This project is basically a huge global platform of E-commerce business, where a seller can sell his product globally. No matters if he has shop in one city only. He can put various products details like image, price, features, descriptions etc. on webpage. And the product price, quantity available will be handled by seller i.e. admin. Buyer will able to see the product detail which the seller set on webpage and buyer will select appropriate product and its quantity and then he can buy it by giving address and money to seller. Payment can be done by many ways, net banking, UPI, credit/debit card or cash on delivery.

### 1.4. Purpose

There are many sellers who wants to expand his business globally but due to unavailability capital they can't do it. Many of them have one or two shops and a range of customers within those and neighbour cities only. By this project, those people will get a global platform to sell their product to a vast customer range. Moreover, it's a motivation for small scale seller to expand business.

### 1.5. Scope & Objective

Nowadays, Every person is having personal smartphone. This project is giving a chance to think and decide patiently, which product will be best for them. E-commerce draws on such technologies as electronic funds transfer, supply chain management, Internet marketing, online transaction processing. In retailer shopping system, customer will not get the actual truth about product as the details will be given by shopkeeper itself. But here, Customer can compare products, check reviews of the customer who really bought and used that product.

### 1.6. User Roles & Role Wise Requirement Listing

There are mainly two roles: Supplier and Customers.

- **Supplier** (manufacturer) is itself Admin who will have access to add product details, edit all details and see every orders details.
- **Customer** have to do signup by entering his details and then he can search product, see the product details and buy it.

#### 1. Supplier

- Have to sign up for the first time by entering personal info.
- After creating account, mobile no and password will be required of login.
- Now, he can add products and their details like image, price, quantities, discount etc.
- After getting order, he will edit the quantities accordingly.

#### 2. Customers

- Have to sign up for the first time by entering personal info.
- After creating account, mobile no and password will be required of login.
- Now, he can search product directly or by categories.
- He can see the details of products like price, image, discount, quantities etc.
- He can check reviews and also compare two products from same category.
- He can add product to cart in order to save it for buying it in future.
- After selection, he can make payment and place the order of that product.
- Once order successfully completed, then he also can write review on that product.

### 1.7.Entities

- User
- Supplier
- Customer
- Product
- Category
- Sub-category
- Cart
- Cart-item
- Order
- Payment
- Shipper
- Review

### 1.8.Entity Recognition

#### A. Supplier

Supplier manages the product

Supplier manages the quantity of product

Supplier manages the category and sub-category

Supplier manages the order details

Supplier can see the total product sold

Supplier can see the order details of his product

#### B. Customer

Customer signup with his details

Customer can buy product

Customer add the product to his cart

Customer make payment of his order

Customer can review the product which he/she had bought

Customer can see his past orders

Customer can see which supplier have sold the product

Customer can see who will be shipping his order

Customer can see estimate date of his/her order

### 1.9.Entity Roles

- Product: There are basically electronic products like mobile, laptops, computer, headphone etc. They all are classified in categories and sub-categories also.
- Category & Sub-category: Products are distributed in category & category is distributed in subcategory.
- Cart: Customer can save any product which he wishes to buy it in future. Many products can be saved in cart. If he login again then also his saved product will be there cart.
- Payment: For buying, customer have to pay the amount through Cash or Online modes.
- Order: Once payment is done, order will be placed. Supplier can see the order of all customers but the individual customer will be able to see his own orders.
- Review: Whoever customer bought the product can give rating and review of that product only.