

## **1. Introduction**

### **1.1 Existing System:**

- ✓ In current scenario, all the information related to the customer and their orders are maintained manually.
- ✓ It is less user-friendly.
- ✓ Owner manage all the information of products manually.
- ✓ Not any type of security is providing so it may lose data or product.
- ✓ Customer must go to shop and select products.
- ✓ More human power is required.
- ✓ It is a time-consuming process.

### **1.2 Need for The New System:**

- ✓ There are less chances of losing data because data will be secure in login.
- ✓ New customer can access site using register himself/herself and after login process.
- ✓ Data will be Secure.
- ✓ There is less paperwork; all details will be store on web site.
- ✓ It won't consume much time.
- ✓ Visitors can also view product details.

### **1.3 Objective Of the New System:**

- ✓ In our “Electronics Shopping System” will manage all the information related to the customer and their orders are maintained dynamically.
- ✓ The objective of the project is to make a website to purchase items in an existing shop.
- ✓ So, this is very useful for owner to manage all the information of products and customer's orders.
- ✓ A complete and efficient website which can provide the online shopping experience is the basis objective of the project.
- ✓ The new system will provide user online facility that customers can purchase easily instead of going and purchasing from local shop.
- ✓ The purpose of online shopping is to save time, save money.

## Electronics Shopping System

### **1.4 Problem Definition:**

- ✓ The Project “Electronics Shopping System” will be a web-based application for “A to Z Electronics”. By this, one can manage product details, orders details, order return, generate reports.
- ✓ Customers can easily buy a product like Smartphones, tablets, iPads.
- ✓ This project is an attempt to provide the advantages of online shopping to customers of a real shop.

### **1.5 Core Components:**

#### **1. Login:**

To make any products available in the viewer's cart or order viewer must be logged in the website. Viewers have to fill some details about them and create an account for the further process.

#### **2. Admin:**

In the Admin Module Admin is the User which has overall management of site.

#### **3. User:**

This module is for the users who have not registered. Here user will be able to create an account for login process. The account creation is done by filling the registration form with user details such as name, password etc.

#### **4. Product:**

This module has information regarding the products such as its name, model, colour, price, information, its features etc. The Admin has the authority to Add, Delete, Update etc. The User can only view the Electronics Gadgets and Accessories, add to cart and purchase it.

#### **5. Category:**

This module will have the electronics categories like smartphones, Tablets, IPads and etc. which user can easily find the estimate product.

#### **6. Sub Category:**

This module will come under category module to make more facility to the users to save the time and find the estimate product easily and purchase it.

#### **7. Cart:**

This Module User can select any of the Electronics Gadgets and Accessories and add to the cart. User also remove from the cart items, User Edit the items also.

## Electronics Shopping System

### 8. About Us:

Viewer can see the details about "Electronics Shopping System's Site".

### 9. Contact Us:

Viewers can contact admin/owner directly through the number or email for Any Query, Complain related.

## **1.6 Project Profile:**

- ✓ The "Electronics Shopping System" website will provide facility to purchase Smartphones, Tablets, iPads.
- ✓ This website will have Registration page, Login page, Home page, Category page, Cart page, product order page, View product, About Us page, Contact page.
- ✓ The user will be able to add product, edit product and remove product.
- ✓ The admin will have overall management of the website.
- ✓ The users which are not registered can only view the product.

Project Name	Online Electronic Shopping System
Framework	Laravel (PHP)
Operating System	Windows 10
Front End	HTML, CSS, JavaScript, Bootstrap, jQuery, Ajax
Back End	MySQL 5.5.24
Web Server	Xampp 7.4.20
Diagram Tool	MS Visio professional 2013, Visual Paradigm 8.0
Presentation Tool	Microsoft PowerPoint 2016

Table :1.1 Project Profile

## **1.7 Assumptions And Constraints**

### **Assumptions:**

- ✓ Every client wants a fast, responsive and best service from website, if time support so will also provide the product return and login process using user name and password facilities to the users.

### **Constraints:**

- ✓ In website they will maintain different types of services. It will give notification when customer place order. So, admin can manage status, shipped, and delivery.
- ✓ Client should be happy with the service.
- ✓ Client should easily get appointment.

## **1.8 Advantages and Limitations of The Proposed System**

### **Advantages:**

- ✓ The Customers can register / login, view products details, purchase the products from anytime and anywhere.
- ✓ Required Invoice & Reports can be generated easily.
- ✓ Data will be Secure.
- ✓ Real-time information of availability of product.
- ✓ Save the customer's time.
- ✓ Quick and affordable marketing.
- ✓ 24\*7 Service availability.

### **Limitations:**

- ✓ Internet bandwidth.
- ✓ Takes time for delivery.



## **2. Requirement Determination And Analysis**

### **2.1 Requirement Determination:**

- Feasibility Study:

- ✓ A feasibility study is a preliminary study undertaken to determine and document a project's viability. The results of this study are used to make a decision whether to proceed with the project, or dismiss it. If it indeed leads to a project being approved, it will – before the real work of the proposed Project starts – be used to ascertain the likelihood of the project's success. It is an analysis of possible alternative solutions to a problem and a recommendation on the best alternative.

- ✓ Three types of project feasibility have been considered:

- i) Technical Feasibility:

The following factors suffice for considering the given project as Technically Feasible. The system developed in Laravel framework which is well known and today we can easily get the technical help of Laravel technology from the internet. We have used this technology and similar types of tools that can be useful to develop this system. Which is readily available for the development environment?

- ii) Economic Feasibility:

Economic feasibility is very important in development of the software for any company. It is necessary as it gives an idea, whether the project going to be developed can be completed at a cost affordable both by the client and developer. The availability of the required hardware and software used to develop our project makes it economically very feasible. Also, we have all the other required resources needed for the project hence the project is feasible with respect to economy.

- iii) Operational Feasibility:

Proposed System is beneficial only if they are turned into Information Systems that will meet the organisation's operating requirements.

## Electronics Shopping System

This test of feasibility asks if the system will work when it is developed and deployed. Are there any major barriers to implementation? The following factors suffice for considering the given project as operationally feasible. As the System is going to be developed at the place where it is going to be implemented, the track of the operations related to the software is constantly monitored by them and sufficient support is available.

### IV) Functional Requirements:

- Admin can login and manage the customers.
- Customers can register and then login.
- Customers can manage and edit their profile.
- Admin can add, update and delete the products.
- Customers can buy product online/COD.

### ❖ Non-Functional Requirements:

- Should work efficiently on regular internet connection.
- Secure database.

**2.2 Targeted Users:**

Name	Description	Task/Responsibility
Visitor	Visitor of the System	Visitors can view the products and register.
Admin	Admin has a control over the whole system	Admin can manage products, categories, orders.
Customer	Customer of the system	Customer can log in system Customer can view products with their detail and can add to cart and purchase it.

Table: 1.2 Targeted User

### 3. System Design

#### 3.1 Use Case Diagrams:

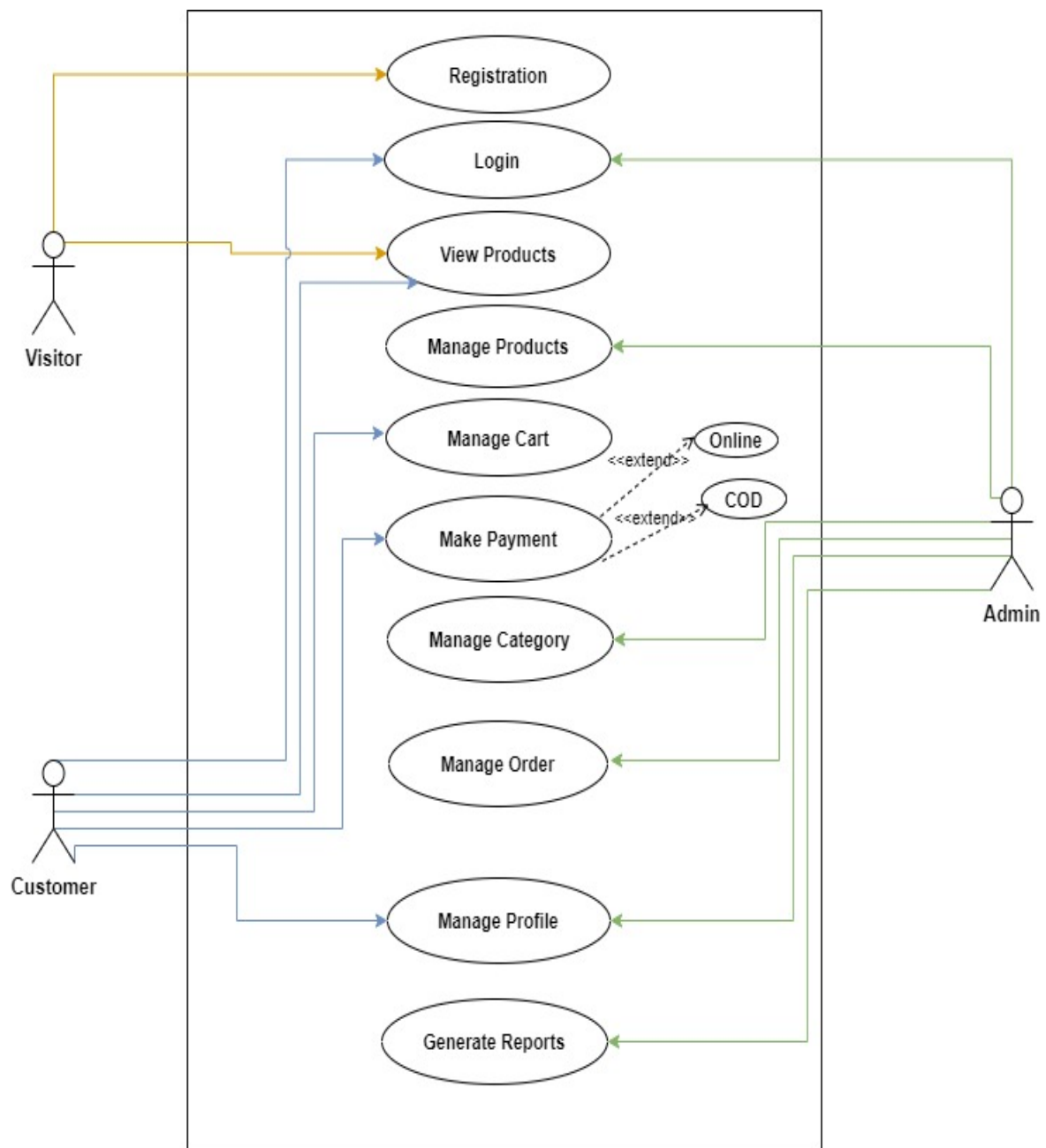


Figure: 3.1 Use Case Diagram

## 3.2 Class Diagram:

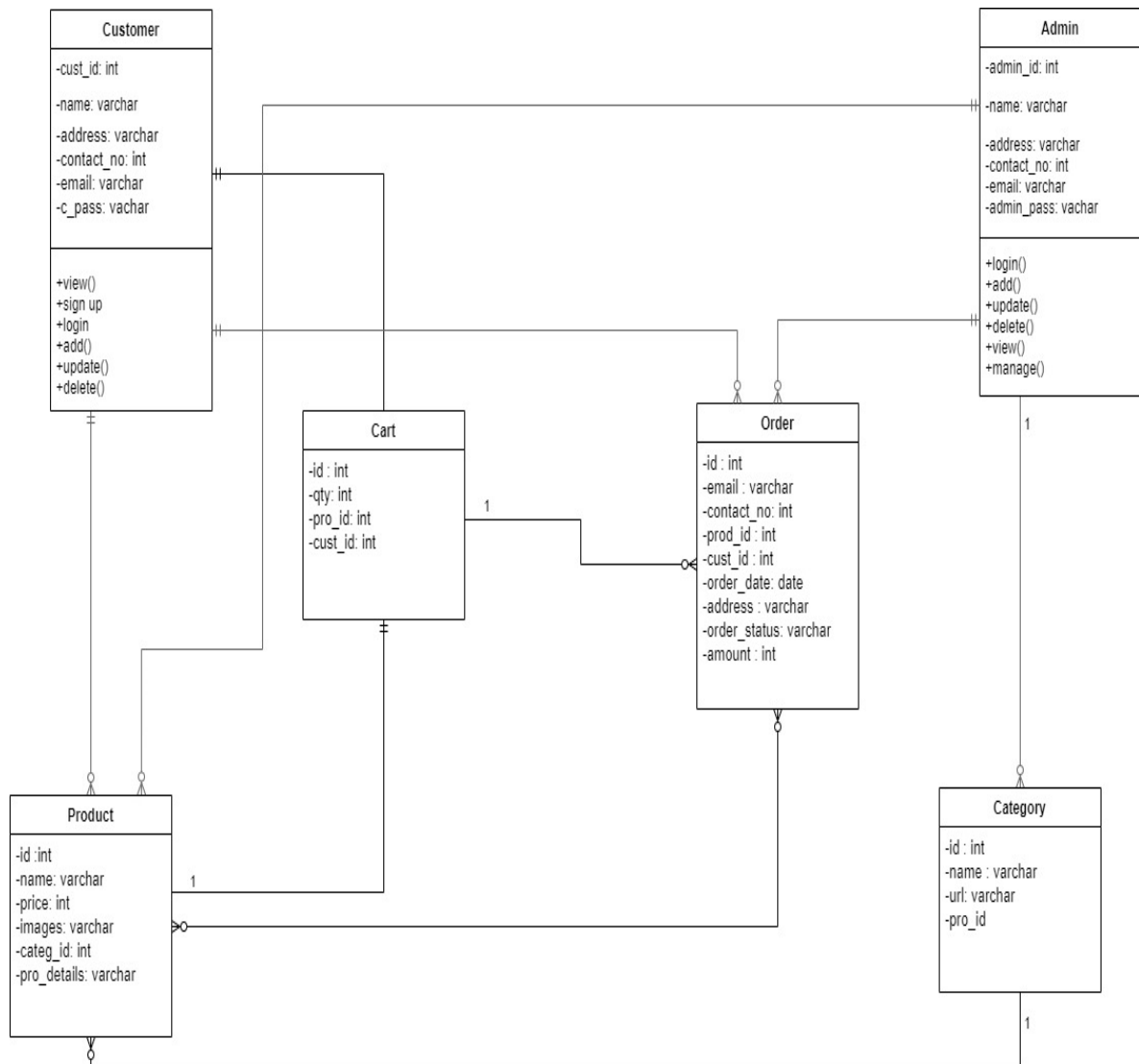


Figure: 3.2 Class Diagram

### 3.3 Sequence Diagrams:

#### Admin:

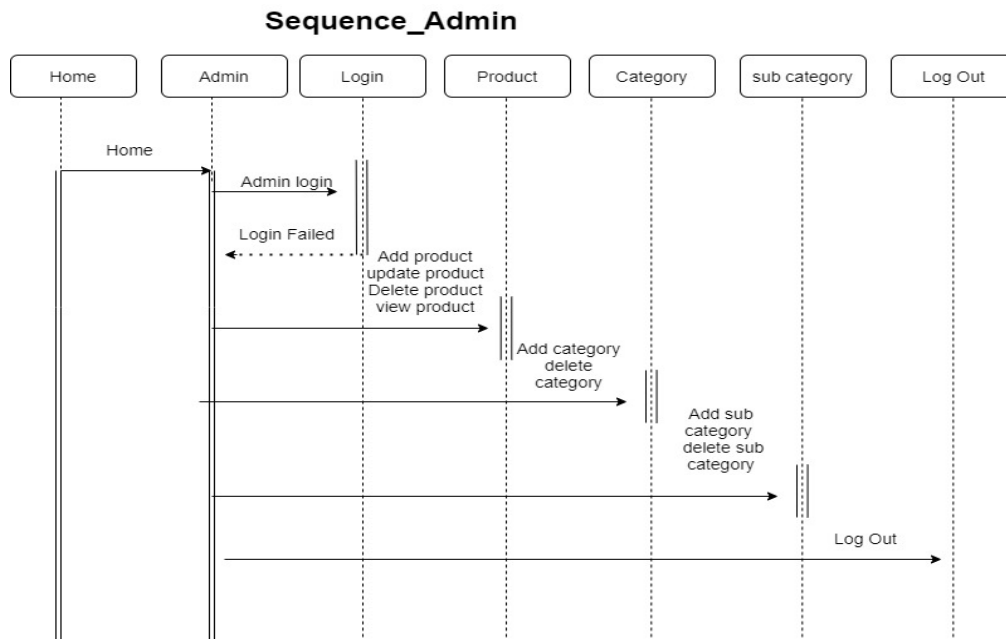


Figure: 3.3.1 Sequence\_Admin Diagram

#### Customer:

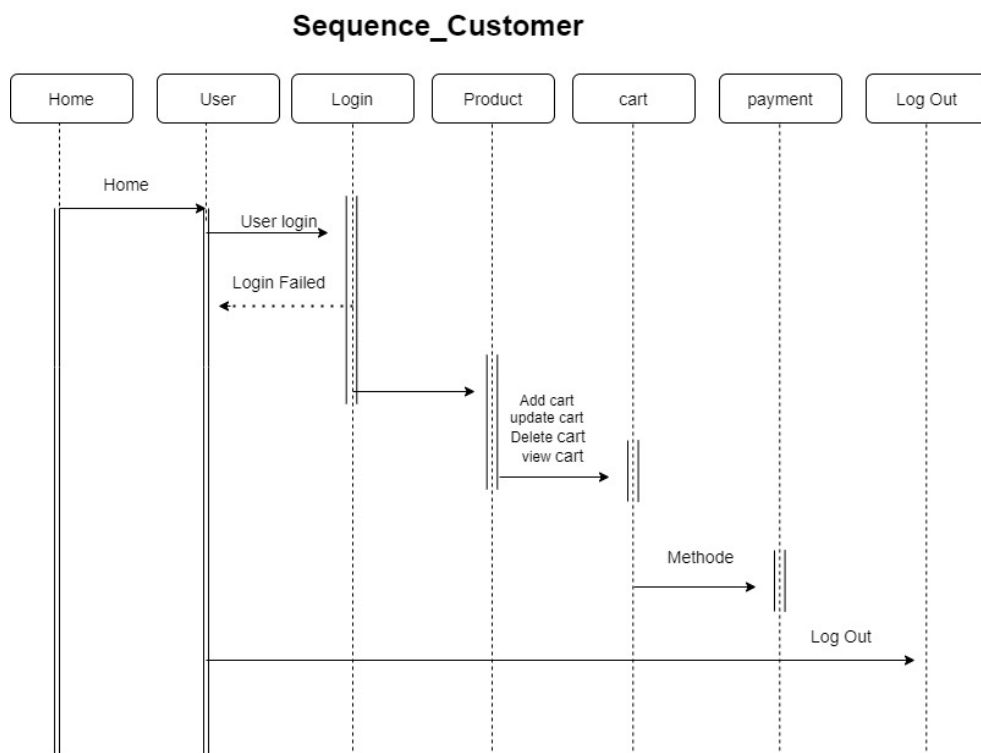


Figure: 3.3.2 Sequence\_Customer Diagram

### 3.4 Activity Diagram:

#### Place Order:

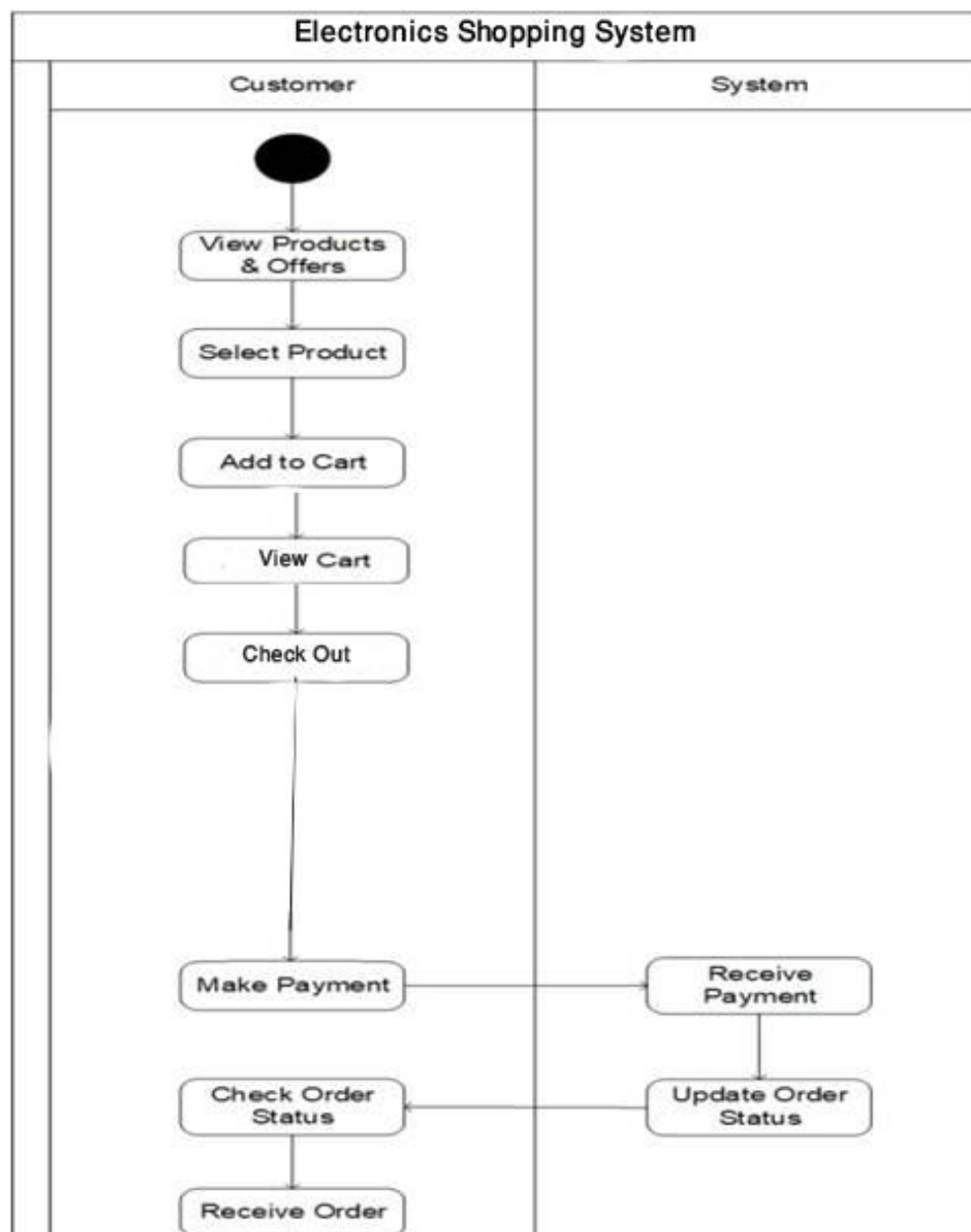


Figure: 3.4 Activity Diagram

## Electronics Shopping System

### 3.5 DFD Diagrams:

#### DFD Level 0:

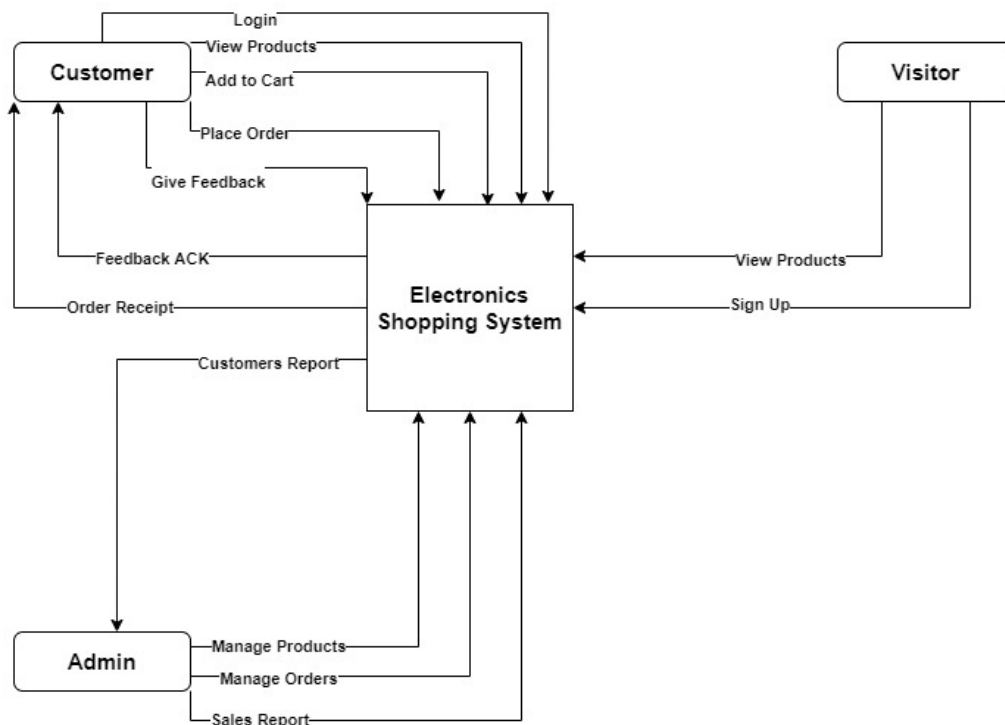


Figure: 3.5.1 DFD Level 0

#### DFD Level 1:

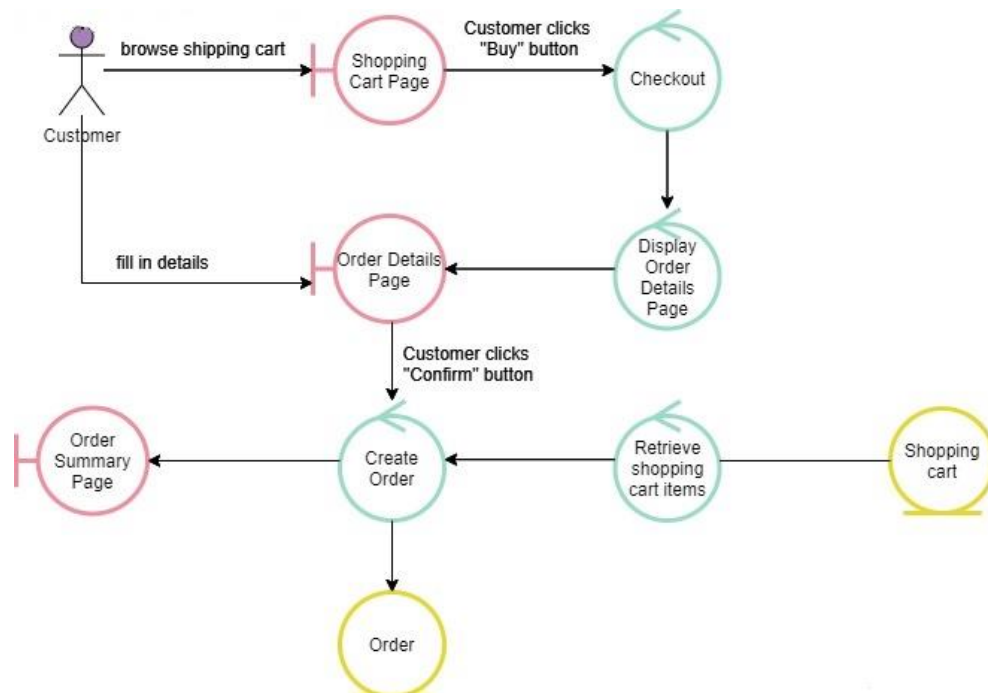


Figure: 3.5.2 DFD Level 1



### **3.6 Data Dictionary:**

#### **1. Company:**

Description: This table shows all the company details.

Field Name	Data Type	Constraint	Sample Data
Company_id	Tinyint(1)	Primary Key	1
company_name	Varchar(30)	Not Null	Saifu Tech
Address	Varchar(100)	Not Null	Morbi Road,Rajkot
contact_no	Bigint(13)	Not Null	9714535459
Email	Varchar(40)	Not Null	<u>codewithsaifu@gmail.co</u> <u>m</u>

Table: 1.3

#### **2. Customer:**

Description: This table shows all the customer details.

Field Name	Data Type	Constraint	Sample Data
cust_id	Mediumint(6)	Primary Key	1
name	Varchar(100)	Not Null	Saifullah Rahimi
address	Varchar(255)	Not Null	Marwadi Compus
contact_no	Bigint(13)	Not Null	9714535459
email	Varchar(50)	Not null	<u>codewithsaifullah@gmai</u> <u>l.com</u>
password	Varchar(16)	Not null	Eshgdjded854dednd (MD5 Format)

Table: 1.4

## Electronics Shopping System

### **3. Category:**

Description: This table shows all the category details.

Field Name	Data Type	Constraint	Sample Data
category_id	Smallint(3)	Primary Key	1
p_id	Smallint(3)	Foreign Key	12
Name	Varchar(50)	Not Null	Mobile
url	Varchar(50)	Not null	Mobile/mi

Table: 1.5

### **4. Product:**

Description: This table shows all the product details.

Field Name	Data Type	Constraint	Sample Data
product_id	Smallint(3)	Primary Key	1
category_id	Smallint(3)	Foreign Key	1
Price	Int(20)	Not Null	1000000
Description	Text	Not null	This isRedmi MobilePhone
Image	Varchar(100)	Not null	Redmi9pro.jpg

Table: 1.6

## Electronics Shopping System

### **5. Cart:**

Description: This table shows all the cart details.

Field Name	Data Type	Constraint	Sample Data
cart_id	Smallint(3)	Primary Key	1
prodcut_id	MediumInt(3)	Foreign Key	1
customer_id	Smallint(3)	Foreign key	1
Qty	Tinyint(2)	Not Null	2

Table: 1.7

### **6. Order:**

Description: This table shows all the order details.

Field Name	Data Type	Constraint	Sample Data
order_id	Mediumint(6)	Primary Key	1
product_id	Mediumint(3)	Foreign key	1
customer_id	smallint(6)	Foreign key	1
customer_name	Varchar(50)	Not Null	Rahul
address	Varcahr(255)	Not null	Block no 4,Shahpur
email	Varchar(50)	Not Null	rahulzala999@gmail.Com
order_status	Varchar(30)	Not Null	Shipped/Delivered
amount	Smallint(6)	Not Null	28999
order_date	Date	Not Null	25-05-2020
qty	Tinyint(2)	Not Null	2

Table: 1.8

## 4. Development

### 4.1 Coding Standard

#### CRUD Operation:

```
public function addCompany(Request $req){
    if($req->isMethod('post')){
        $data = $req->all();
        $company = new Company;
        $company->name = $data['name'];
        $company->address = $data['address'];
        $company->mobile = $data['mobile'];
        $company->email = $data['email'];
        $company->save();
        return redirect('/admin/view-company')->with('flash_message_success','Company has been added Successfully.!!');
    }
    return view('admin.company.add_company');
}

public function viewCompany(){
    $companies = Company::get();
    return view('admin.company.view_company')->with(compact('companies'));
}

public function editCompany(Request $req, $id=''){
    if($req->isMethod('post')){
        $data = $req->all();

        Company::where(['id'=>$id])>update(['name'=>$data['name'],'address'=>$data['address'],'mobile'=>$data['mobile'],'email'=>$data['email']]);
        return redirect('/admin/view-company')->with('flash_message_success','Company Details has been updated successfully..!!');
    }
    $companyDetails = Company::where(['id'=>$id])>first();
    return view('admin.company.edit_company')->with(compact('companyDetails'));
}

public function deleteCompany($id = NULL){
    Company::where(['id'=>$id])>delete();
    return redirect()->back()->with('flash_message_success','Company Details has been deleted successfully..!!');
}
```

Figure: 4.1.1 CRUD Operation

### Upload Multiple Images:

```
public function addImages(Request $request, $id=null){
    $productDetails = Product::with('attributes')->where(['id'=>$id])->first();
    if($request->isMethod('post')){
        $data = $request->all();
        if ($request->hasFile('image')) {
            $files = $request->file('image');
            foreach($files as $file){
                // Upload Images after Resize
                $image = new ProductsImage;
                $extension = $file->getClientOriginalExtension();
                $fileName = rand(111,99999).'.'.$extension;
                $large_image_path = 'images/backend_images/product/large'.'/'.$fileName;
                $medium_image_path = 'images/backend_images/product/medium'.'/'.$fileName;
                $small_image_path = 'images/backend_images/product/small'.'/'.$fileName;
                Image::make($file)->save($large_image_path);
                Image::make($file)->resize(600, 600)->save($medium_image_path);
                Image::make($file)->resize(300, 300)->save($small_image_path);
                $image->image = $fileName;
                $image->product_id = $data['product_id'];
                $image->save();
            }
        }

        return redirect('admin/add-images/'.$id->with('flash_message_success', 'Product Images has been added successfully'));
    }
    $productImages = ProductsImage::where(['product_id'=>$id])->get();
    return view('admin.products.add_images')->with(compact('productDetails','productImages'));
}
```

Figure 4.1.2 Upload multiple Images

### User Register:

```
public function userRegister(Request $req){
    if($req->isMethod('post')){
        $data = $req->all();
        // echo "<pre>"; print_r($data); die;
        $emailCount = User::where('email',$data['email'])->count();
        $mobileCount = User::where('mobile',$data['mobile'])->count();
        if($emailCount>0){
            return redirect()->back()->with('flash_message_error','Email is already exist');
        }
        if($mobileCount>0){
            return redirect()->back()->with('flash_message_error','Mobile is already exist');
        }else{
            $user = new User;
            $user->name = $data['name'];
            $user->mobile = $data['mobile'];
            if(!empty($data['email'])){
                $user->email = $data['email'];
            }else{
                $user->email = '';
            }
            $user->admin = 0;
            $user->password = bcrypt($data['password']);
            $user->save();
            return redirect('/login-user');
        }
    }
}
```

Figure 4.1.3 User Register

## 4.2 Admin Screen Layouts:

### Login & Validation:

The figure displays two screenshots of the Admin Login interface, which features a yellow background and a central white card. At the top of the card is a green circular icon containing a white person silhouette. Below this icon, the text "Admin Login" is centered. The login form consists of two light blue input fields: the first contains the email "codewithsaifullah@gmail.com" and the second contains masked characters ".....". A green "LOGIN" button is positioned below the password field. In the first screenshot, a green message box at the bottom displays "× Logged out Successfully". In the second screenshot, a pink message box at the bottom displays "× Invalid Username or Password".

Figure: 4.2.1 Login & Validation

# Electronics Shopping System

## Dashboard:

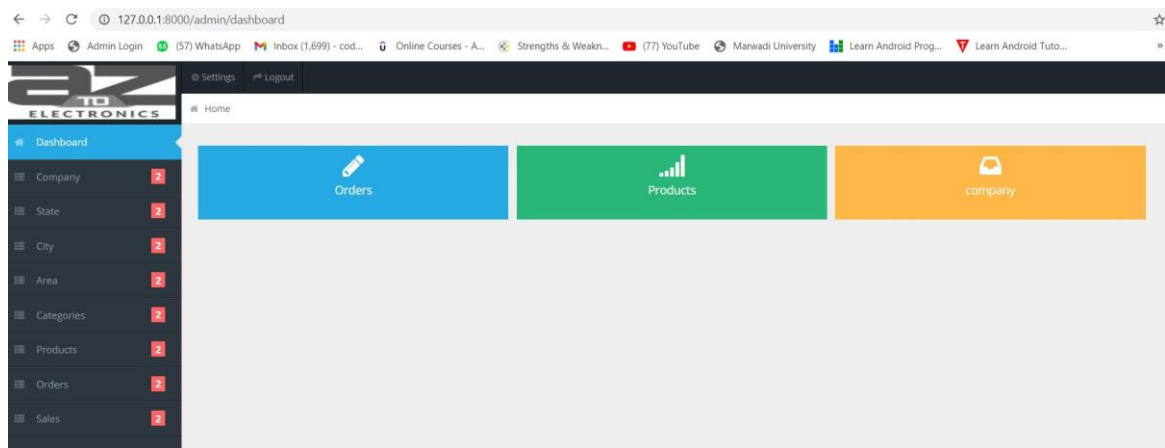


Figure: 4.2.2 Dashboard

## Update Password & Validation:

Home > Settings

### Admin Settings

Update Password

Current Password

Current Password is Correct

New Password

Please enter at least 6 characters.

Confirm Password

Please enter the same value again.

Update Password

Figure: 4.2.3 Update Password

## Electronics Shopping System

### Add Category:

Home > Categories > Add Category

Categories

1

Add Category

Category Name

OnePlus

Category Level

Mobile

URL

oneplus

Enable

☒

Add Category

Figure: 4.2.4 Insert Category

### View Category:

Home > Categories > View Category

Categories

View Categories

Show 10 entries

Search:

Category ID	Category Name	Category Level	Category URL	Actions
1	Mobile	Main Category	mobiles	<a href="#">Edit</a> <a href="#">Delete</a>
2	MI	Mobile	mi	<a href="#">Edit</a> <a href="#">Delete</a>
3	Realme	Mobile	realme	<a href="#">Edit</a> <a href="#">Delete</a>
4	Apple	Mobile	apple	<a href="#">Edit</a> <a href="#">Delete</a>
5	OPPO	Mobile	oppo	<a href="#">Edit</a> <a href="#">Delete</a>
6	Samsung	Mobile	samsung	<a href="#">Edit</a> <a href="#">Delete</a>
7	Tablet	Main Category	tablet	<a href="#">Edit</a> <a href="#">Delete</a>
10	iPads	Main Category	iPads	<a href="#">Edit</a> <a href="#">Delete</a>
11	Apple	iPads	Applepads	<a href="#">Edit</a> <a href="#">Delete</a>
12	Lenovo	Tablet	Lenovo	<a href="#">Edit</a> <a href="#">Delete</a>

Figure: 4.2.5 view Category



## Electronics Shopping System

### Inserted Successfully:

Categories

View Categories

Show 25 entries Search:

Category ID	Category Name	Category Level	Category URL	Actions
1	Mobile	Main Category	mobiles	<a href="#">Edit</a> <a href="#">Delete</a>
2	MI	Mobile	mi	<a href="#">Edit</a> <a href="#">Delete</a>
3	Realme	Mobile	realme	<a href="#">Edit</a> <a href="#">Delete</a>
4	Apple	Mobile	apple	<a href="#">Edit</a> <a href="#">Delete</a>
5	OPPO	Mobile	oppo	<a href="#">Edit</a> <a href="#">Delete</a>
6	Samsung	Mobile	samsung	<a href="#">Edit</a> <a href="#">Delete</a>
7	Tablet	Main Category	tablet	<a href="#">Edit</a> <a href="#">Delete</a>
10	iPads	Main Category	iPads	<a href="#">Edit</a> <a href="#">Delete</a>
11	Apple	iPads	Appleipads	<a href="#">Edit</a> <a href="#">Delete</a>
12	Lenovo	Tablet	Lenovo	<a href="#">Edit</a> <a href="#">Delete</a>
13	OnePlus	Mobile	oneplus	<a href="#">Edit</a> <a href="#">Delete</a>

First Previous 1 Next Last

Figure: 4.2.6 After Insertion

### Edit Category:

# Home > Categories > Edit Category

Categories

Edit Category

Category Name

Category Level

URL

Enable ☒

[Edit Category](#)

Figure: 4.2.7 Edit Category

## Electronics Shopping System

### Category Updated Successfully:

Categories

View Categories

Show 25 entries

Search:

Category ID	Category Name	Category Level	Category URL	Actions
1	Mobile	Main Category	mobiles	<a href="#">Edit</a> <a href="#">Delete</a>
2	MI	Mobile	mi	<a href="#">Edit</a> <a href="#">Delete</a>
3	Realme	Mobile	realme	<a href="#">Edit</a> <a href="#">Delete</a>
4	Apple	Mobile	apple	<a href="#">Edit</a> <a href="#">Delete</a>
5	OPPO	Mobile	oppo	<a href="#">Edit</a> <a href="#">Delete</a>
6	Samsung	Mobile	samsung	<a href="#">Edit</a> <a href="#">Delete</a>
7	Tablet	Main Category	tablet	<a href="#">Edit</a> <a href="#">Delete</a>
10	iPads	Main Category	iPads	<a href="#">Edit</a> <a href="#">Delete</a>
11	Apple	iPads	Appleipads	<a href="#">Edit</a> <a href="#">Delete</a>
12	Lenovo	Tablet	Lenovo	<a href="#">Edit</a> <a href="#">Delete</a>
13	VIVO	Mobile	vivo	<a href="#">Edit</a> <a href="#">Delete</a>

First Previous 1 Next Last

Figure: 4.2.8 After Update

### Delete Category Confirmation Alert:

Categories

View Categories

Show 25 entries

Search:

Category ID	Category Name	Category Level	Category URL	Actions
1	Mobile	Main Category	mobiles	<a href="#">Edit</a> <a href="#">Delete</a>
2	MI	Mobile	mi	<a href="#">Edit</a> <a href="#">Delete</a>
3	Realme	Mobile	realme	<a href="#">Edit</a> <a href="#">Delete</a>
4	Apple	Mobile	apple	<a href="#">Edit</a> <a href="#">Delete</a>
5	OPPO	Mobile	oppo	<a href="#">Edit</a> <a href="#">Delete</a>
6	Samsung	Mobile	samsung	<a href="#">Edit</a> <a href="#">Delete</a>
7	Tablet	Main Category	tablet	<a href="#">Edit</a> <a href="#">Delete</a>
10	iPads	Main Category	iPads	<a href="#">Edit</a> <a href="#">Delete</a>
11	Apple	iPads	Appleipads	<a href="#">Edit</a> <a href="#">Delete</a>
12	Lenovo	Tablet	Lenovo	<a href="#">Edit</a> <a href="#">Delete</a>
13	VIVO	Mobile	vivo	<a href="#">Edit</a> <a href="#">Delete</a>

First Previous 1 Next Last

Figure: 4.2.9 Delete Alert Message

## Electronics Shopping System

### View Product:





















View Products										
View Products										
Show 10 entries										
Search:										
Category Name	Product Name	Image	Model Number	Operating System	Processor Type	Processor Core	Primary Camera	Secondary Camera	Battery Capacity	Actions
Apple	Apple iPhone 8		MX9T2HN/A	iOS 13	A13 Bionic Chip with 3rd Gen Neural Engine	cora	12MP Rear Camera	7MP Front Camera	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
Apple	Apple iPhone 11		MYD2HN/A	Android Pie 9.0	Qualcomm Snapdragon 660	Octa Core	48MP	20MP	8000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
Apple	New Apple iPad Pro (2nd Generation)		M20036A11	Apple Pie 9.0	Qualcomm Snapdragon 660	Octa Core	48MP	5MP Front Camera	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
Lenovo	Lenovo Tab M10		ZAG5003N	Android Pie 9.0	Qualcomm Snapdragon 660	Octa Core	48MP + 5MP + 8MP	20MP	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
MI	Redmi Note 9 Pro		M2B9074N	Android Pie 9	Qualcomm Snapdragon 439	Octa Core	48MP+8MP+2MP+2MP	48MP Front Camera	5000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
MI	Redmi K20 Pro		M2B8135N	Android Pie 9.0	Qualcomm Snapdragon 855	Octa Core	48MP + 13MP + 8MP	20MP Front Camera	4000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
MI	Redmi Note 8		M1908C3J	Android Pie 9	Octa Core	Octa Core	48MP + 8MP	13MP Front Camera	5000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
MI	Redmi Note 6 Pro		M1806E7T1	Android Oreo 8.1	Qualcomm Snapdragon 636	Octa Core	12MP + 5MP	20MP + 2MP Dual Front Camera	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
OPPO	OPPO A52		CPH2061	Android Pie 9.0	Qualcomm Snapdragon 660	Octa Core	48MP	16MP Front Camera	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
Realme	Realme Nazro 20 Pro		M20036A11	Android 10	Qualcomm Snapdragon 660	Octa Core	48MP + 8MP + 5MP + 2MP	20MP	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
First Previous 1 2 Next Last										

Figure: 4.2.10 View Product

### View Product Details In Modal:

View Products										
View Products										
Show 10 entries										
Search:										
Category Name	Product Name	Image	Model Number	Operating System	Processor Type	Processor Core	Primary Camera	Secondary Camera	Battery Capacity	Actions
Apple	Apple iPhone 8		MX9T2HN/A	iOS 13	A13 Bionic Chip with 3rd Gen Neural Engine	cora	12MP Rear Camera	7MP Front Camera	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
Apple	Apple iPhone 11		MYD2HN/A	Android Pie 9.0	Qualcomm Snapdragon 660	Octa Core	48MP	20MP	8000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
Apple	New Apple iPad Pro (2nd Generation)		M20036A11	Apple Pie 9.0	Qualcomm Snapdragon 660	Octa Core	48MP	5MP Front Camera	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
Lenovo	Lenovo Tab M10		ZAG5003N	Android Pie 9.0	Qualcomm Snapdragon 660	Octa Core	48MP + 5MP + 8MP	20MP	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
MI	Redmi Note 9 Pro		M2B9074N	Android Pie 9	Qualcomm Snapdragon 439	Octa Core	48MP+8MP+2MP+2MP	48MP Front Camera	5000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
MI	Redmi K20 Pro		M2B8135N	Android Pie 9.0	Qualcomm Snapdragon 855	Octa Core	48MP + 13MP + 8MP	20MP Front Camera	4000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
MI	Redmi Note 8		M1908C3J	Android Pie 9	Octa Core	Octa Core	48MP + 8MP	13MP Front Camera	5000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
MI	Redmi Note 6 Pro		M1806E7T1	Android Oreo 8.1	Qualcomm Snapdragon 636	Octa Core	12MP + 5MP	20MP + 2MP Dual Front Camera	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
OPPO	OPPO A52		CPH2061	Android Pie 9.0	Qualcomm Snapdragon 660	Octa Core	48MP	16MP Front Camera	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
Realme	Realme Nazro 20 Pro		M20036A11	Android 10	Qualcomm Snapdragon 660	Octa Core	48MP + 8MP + 5MP + 2MP	20MP	6000 mAh	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Add Attributes</a> <a href="#">Add Images</a> <a href="#">Delete</a>
First Previous 1 2 Next Last										

Redmi Note 9 Pro Full Details

Product Name: Redmi Note 9 Pro

Category Name: MI

Model Name: Redme Note 9 Pro

Model Number: M2B9074N

Description: If you are a travel blogger, gamer, entertainment seeker, or a person who loves a high-end personal device, then the Redmi 8 has been created to meet your needs. This smartphone features a 15.8-cm (6.22) Dot Notch Display, a 12 MP + 2 MP AI Dual Camera, and a 5000 mAh High-capacity Battery to offer detailed views of the stunning photos that you can click all day long without running out of battery life.

Browse Type Smartphones

SIM Type: Dual sim

Hybrid Sim Slot: NO

Close

Figure: 4.2.11 View Product Details in Modal

# Electronics Shopping System

## Add Product Form:

Add Products

Add Product

Category Name

--Select Category--

Product Name

Product Name

Image

No file selected | Choose File

Description

Description

Model Name

Model Name

Model Number

Model Number

Browse Type

Browse Type

SIM Type

SIM Type

Hybrid SIM Slot

Select Option

Touch Screen

Select Option

OTG Compatible

Select Option

Display Size

Display Size

Resolution

Resolution

Resolution Type

Resolution Type

Other Display Features

Other Display Features

Operating System

Operating System

Processor Type

Processor Type

Processor Core

Processor Core

Primary Clock Speed

Primary Clock Speed

Secondary Clock Speed

Secondary Clock Speed

Operating Frequency

Operating Frequency

Supported Memory Card Type

Supported Memory Card Type

Memory Card Slot Type

Memory Card Slot Type

Primary Camera Available

Select Option

Primary Camera

Primary Camera

Primary Camera Features

Primary Camera Features

Secondary Camera Available

Select Option

Secondary Camera

Secondary Camera

Secondary Camera Features

Secondary Camera Features

Flash

Flash

Dual Camera Lens

Dual Camera Lens

Network Type

Network Type

Supported Networks

Supported Networks

Internet Connectivity

Internet Connectivity

GPBS

Select Option

Pre-installed Browser

Pre-installed Browser

Micro USB Port

Micro USB Port

Bluetooth Support

Select Option

Bluetooth Version

Bluetooth Version

Wi-Fi

Select Option

Wi-Fi Version

Wi-Fi Version

USB Connectivity

Select Option

Audio Jack

Audio Jack

Touchscreen Type

Touchscreen Type

SIM Size

SIM Size

Sensors

Sensors

Other Features

Other Features

GPS Type

GPS Type

FM Radio

Select Option

Audio Formats

Audio Formats

Video Formats

Video Formats

Battery Capacity

Battery Capacity

Width

Width

Height

Height

Depth

Depth

Weight

Weight

Warranty Summary

Warranty Summary

Status

☐

Add Product

Figure: 4.2.12 Add Product Form

# Electronics Shopping System

## Edit Product:

Edit Products

Edit Product

Category Name

-- Apple

Product Name

Apple iPhone 8

Image

No file selected | Choose File | Delete

Description

iPhone SE is the most powerful 11.94-cm (4.7) iPhone ever. It features the

Model Name

iPhone 8

Model Number

MXDT2HN/A

Browse Type

Smartphones

SIM Type

Dual SIM

Hybrid SIM Slot

NO

Touch Screen

YES

OTG Compatible

YES

Display Size

11.94 cm (4.7 inch)

Resolution

1334 x 750 Pixels

Resolution Type

Retina HD Display

Other Display Features

Widescreen HD LCD Retina Multi-touch IPS Display (1400:1 Contrast Ratio)

Operating System

iOS 13

Processor Type

A13 Bionic Chip with 3rd Gen Ne

Processor Core

cora

Primary Clock Speed

A13 Bionic Chip

Secondary Clock Speed

5.6

Operating Frequency

3.44

Supported Memory Card Type

403 PPI

Memory Card Slot Type

dual/dual

Primary Camera Available

NO

Primary Camera

12MP Rear Camera

Primary Camera Features

12MP Wide Camera, F/1.8 Aperture, Portrait Mode with Advanced Bokeh and Depth

Secondary Camera Available

YES

Secondary Camera

7MP Front Camera

Secondary Camera Features

7 MP Camera, F/2.2 Aperture, Portrait Mode with Advanced Bokeh and Depth Control,

Flash

Rear: LED True Tone Flash with i

Dual Camera Lens

dual/dual

Network Type

4G VOLTE, 4G, 3G, 2G

Supported Networks

2g/3g/4g

Internet Connectivity

3g/4g

GPRS

YES

Pre-installed Browser

mvc

Micro USB Port

dual

Bluetooth Support

NO

Bluetooth Version

v4.2

Wi-Fi

NO

Wi-Fi Version

802.11 b/g/n

USB Connectivity

NO

Audio Jack

6.5mm

Touchscreen Type

hybrid

SIM Size

Nano + eSIM

Sensors

iPhone SE

Other Features

Splash, Water and Dust Resistant (IP67 Rated (Maximum Depth of 1 metre

GPS Type

A-GPS, GLONASS

FM Radio

YES

Audio Formats

AAC-LC, HE-AAC, HE-AAC v2, F

Video Formats

HEVC, H.264, MPEG-4 Part 2 an

Battery Capacity

6000 mAh

Width

67.3 mm

Height

138.4 mm

Depth

7.3 mm

Weight

148 g

Warranty Summary

Brand Warranty for 1 Year

Status

☒

Edit Product

Figure: 4.2.13 Edit Product

## Electronics Shopping System

### Insert Product Attributes:

Add Products Attributes

Add Product Attributes

Product Name

Apple iPhone 8

Model Number

MX9T2HN/A

6GB

64GB

Light Blue

22999

12

Add

Add Attributes

Figure: 4.2.14 insert Product Attributes

### Product Attributes Inserted Successfully:

View Attributes					
Show 10 entries		Search:			
RAM	Storage	Color	Price	Stock	Actions
4GB	64GB	Light Red	18999	5	<button>update</button> <button>Delete</button>
3GB	32GB	Light Blue	16999	7	<button>update</button> <button>Delete</button>
6GB	64GB	Light Blue	22999	12	<button>update</button> <button>Delete</button>
First Previous 1 Next Last					

Figure: 4.2.15 After Insertion

## Electronics Shopping System

### Insert Multiple Images:

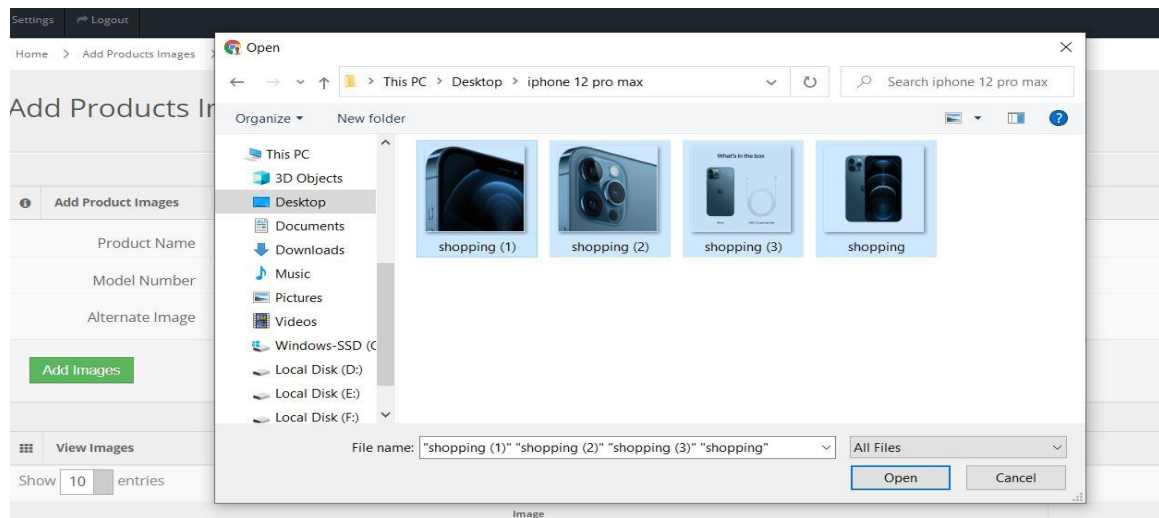


Figure: 4.2.16 Insert Multiple Images

### View Orders:

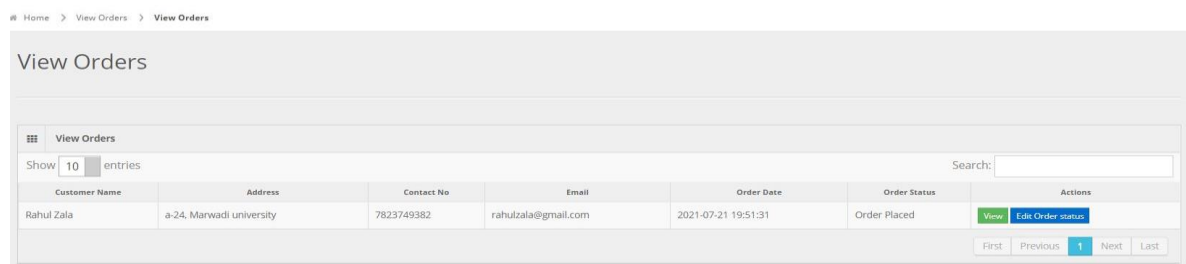


Figure: 4.2.17 View Orders

### View Orders Detail In Modal:

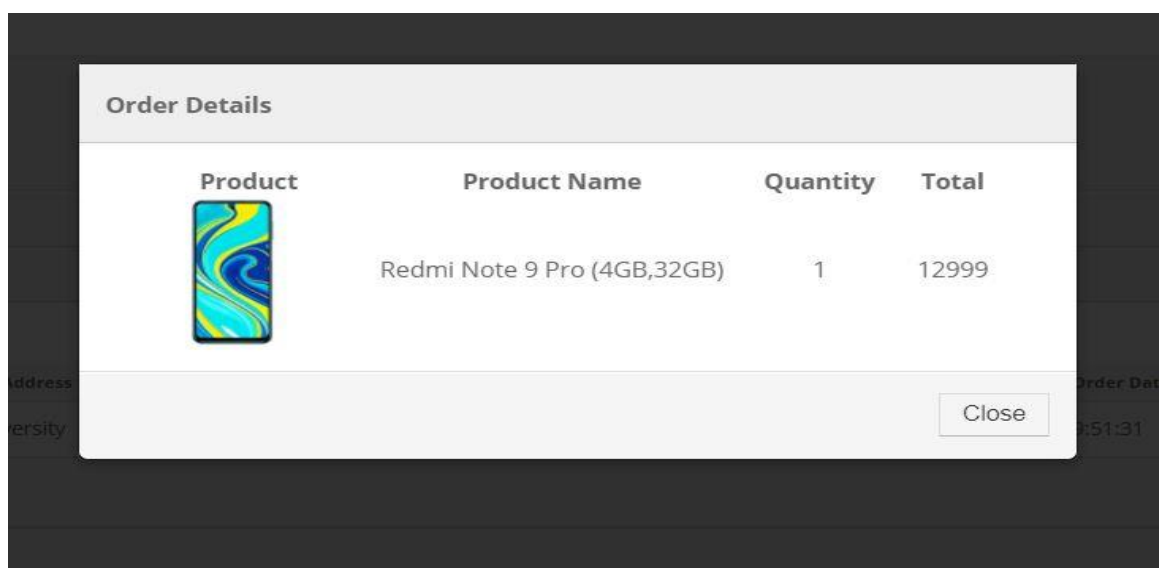


Figure: 4.2.218 View Order in Modal

## Electronics Shopping System

### Update Order Status:

Home > Edit Order Status

### Order Status

Edit Order Status

Select Order Status

Update Order Status

On the way

Order Placed

Order Shipped

On the way

Order Delivered

Figure: 4.2.19 Update Order Status

### View Cancel Orders:

Home > Cancel Orders > Cancel Orders

### Cancel Orders

Cancel Orders

Show 10 entries

Search:

Customer Name	Address	Contact No	Email	Order Date	Order Status	Actions
Rahul Zala	a-24, Marwadi university	7823749382	rahulzala@gmail.com	2021-07-21 20:01:38	Order Cancelled	<a href="#">View</a>

[First](#) [Previous](#) [1](#) [Next](#) [Last](#)

Figure: 4.2.20 View Cancel Order

### View Sales Orders – Delivered Orders:

Home > View Sales Orders > View Sales Orders

### View Sales Orders

View Sales Orders


Show 10 entries

Search:

Customer Name	Address	Contact No	Email	Order Date	Order Status	Actions
Rahul Zala	a-24, Marwadi university	7823749382	rahulzala@gmail.com	2021-07-21 19:51:31	Order Delivered	<a href="#">View</a>

[First](#) [Previous](#) [1](#) [Next](#) [Last](#)

Order Details

Product	Product Name	Quantity	Total
	Redmi Note 9 Pro (4GB,32GB)	1	12999

Close

Figure: 4.2.21 View Sales Order



## Electronics Shopping System

### View Sales Return Orders :

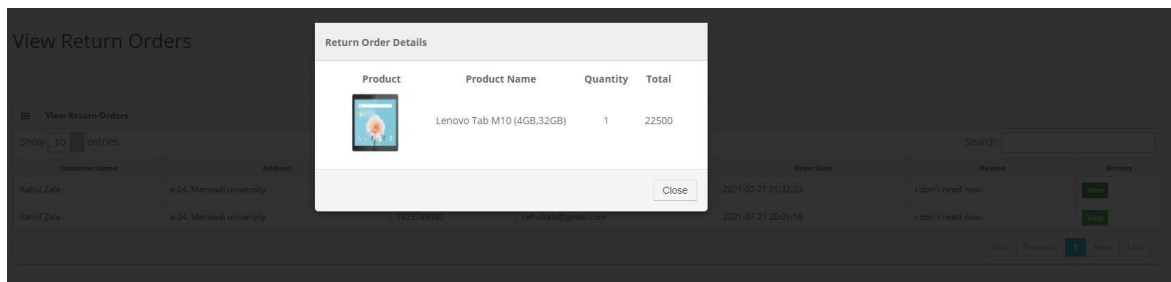


Figure: 4.2.22 View Sales Return Order

### Insert Company:

Home > Company > Add Company

## Add Company

**i**

**Add Company**

Company Name

Address

Mobile

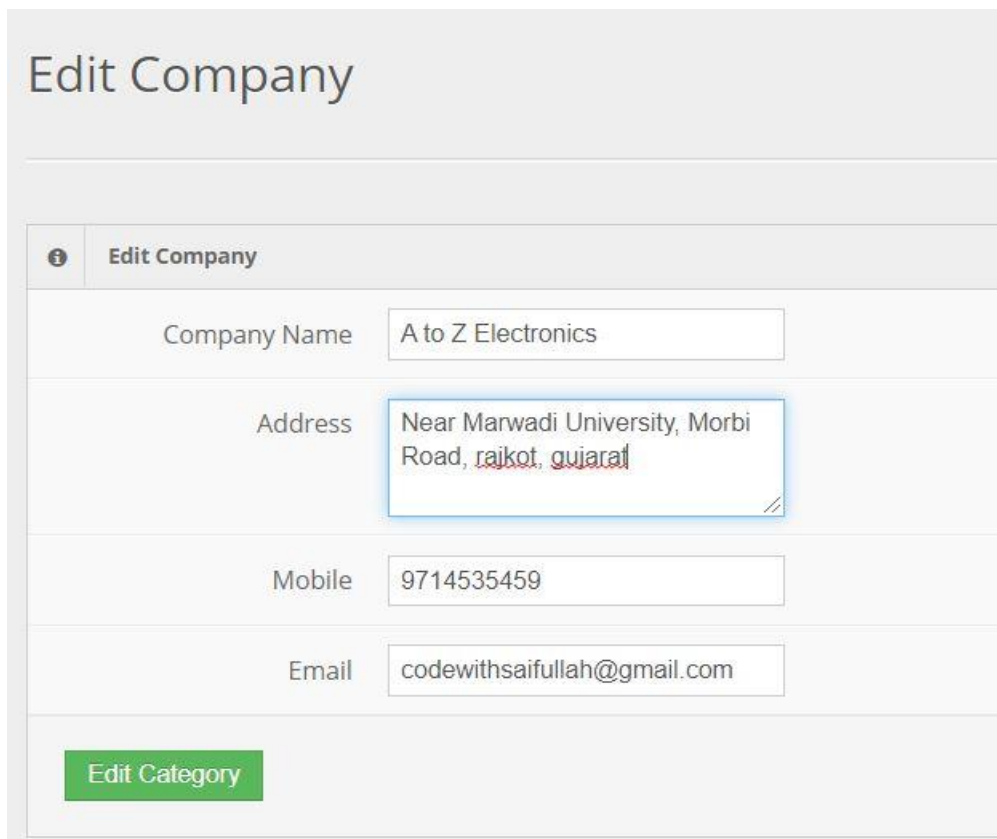
Email

Add Category

Figure: 4.2.23 Add Company

## Electronics Shopping System

### Update company details:



**Edit Company**

**Edit Company**

Company Name: A to Z Electronics

Address: Near Marwadi University, Morbi Road, raikot, gujarat

Mobile: 9714535459

Email: codewithsaifullah@gmail.com

**Edit Category**

Figure: 4.2.24 Edit Company

### Delete Company:

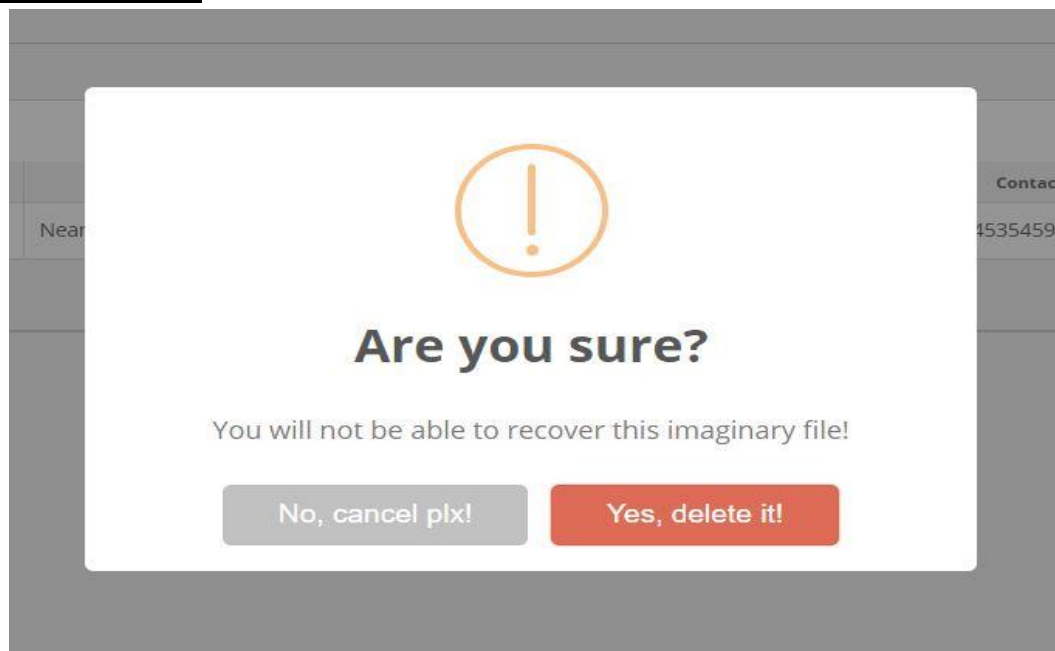


Figure: 4.2.25 Delete Company

## 4.3 Visitor Screen Layouts

### Header:

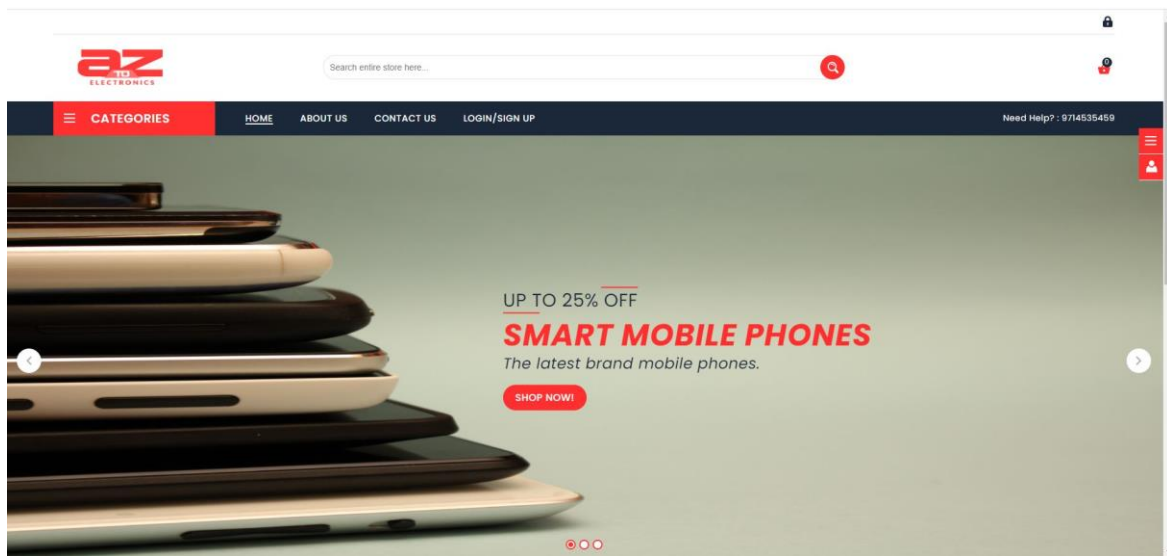


Figure: 4.3.1 Header

### Home Page:

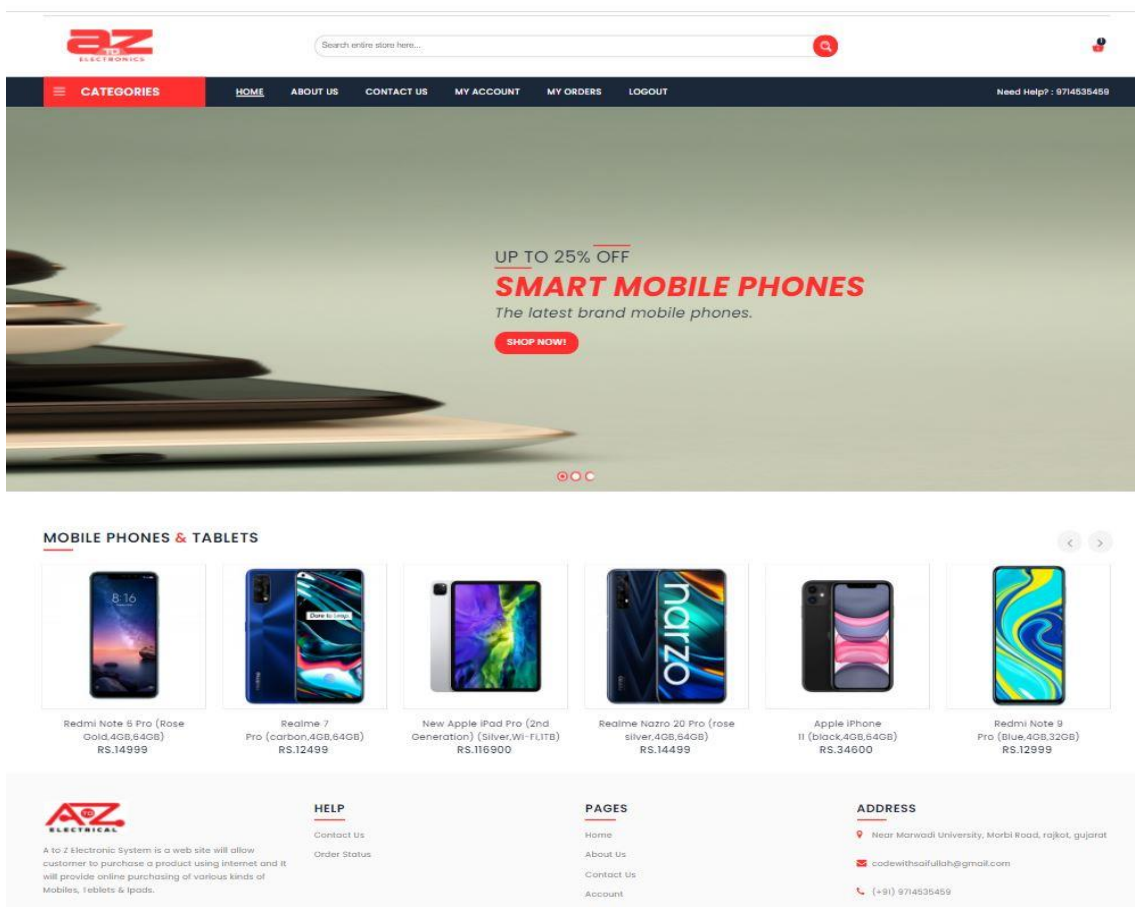


Figure: 4.3.2 Home Page

## Electronics Shopping System

### Footer:

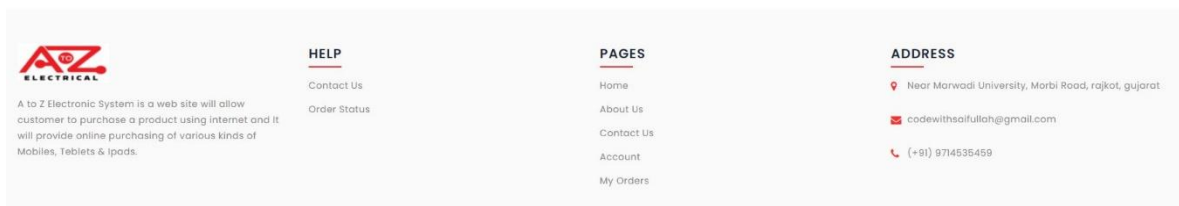


Figure: 4.3.3 Footer

### Popup form:

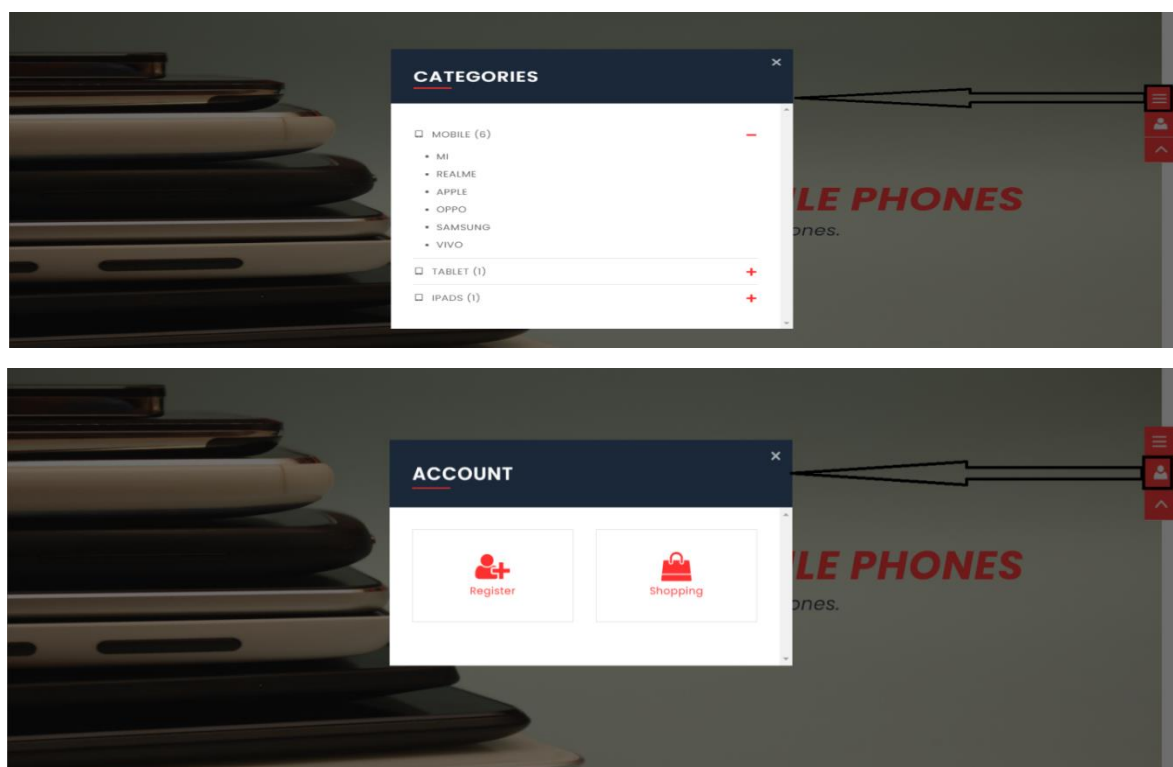


Figure: 4.3.4 Popup Form

### About Us:

#### WELCOME TO OUR SITE

"A to Z Electronics" is a web-based application which will allows customer to purchase a product using internet and it will provide online purchasing of various kinds of Mobiles, Tablets & Ipads. We have been in the business for quite a while now, and it that time we have not only managed to make close relationships with numerous suppliers all over the country, but also to recognize what people need. This means that we are always able to offer all the latest phones, great prices, reliable service, fast delivery and premium customer support.



Figure: 4.3.5 About Us

## Electronics Shopping System


### Contact Us:


**CONTACT US**Home / Contact Us

**LEAVE A MESSAGE!**

Your Message Here

Submit

  
Tel  
9714535459

  
Mail  
codewithsaifullah@gmail.com



  
Open  
Mon - Sat: 9:00 - 18:00

Figure: 4.3.6 Contact Us

### Product Detail:



Redmi Note 9 Pro (Blue,4GB,32GB)

Model Number: MZB9074IN

RS.12999

Availability: **IN STOCK**

If you are a travel blogger, gamer, entertainment seeker, or a person who loves a high-end personal device, then the Redmi 8 has been created to meet your needs. This smartphone features a 15.8-cm (6.22) Dot Notch Display, a 12 MP + 2 MP AI Dual Camera, and a 5000 mAh High-capacity Battery to offer detailed views of the stunning photos that you can click all day long without running out of battery life.


Color & Variant

Blue, (4GB, 32GB)

Warranty: Brand Warranty of 1 Year Available for Mobile and 6 Months for Accessories

Replacement Policy: 10 Days

Add to Cart



Specifications / Features

General

DisplayOs & ProcessorMemory & StorageCameraConnectivityOther DetailsMultimediaDimensions

Model Name	Redme Note 9 Pro
Model Number	MZB9074IN
Browse Type	Smartphones
SIM Type	Dual sim
Hybrid Sim Slot	No
Touch Screen	Yes
OTG Compatible	Yes

Figure: 4.3.7 Product Details

## **4.4 CUSTOMER SCREEN LAYOUTS**

### **Customer Signup:**

CREATE YOUR ACCOUNT

**Your Name**  
Rakesh Kumar

**Mobile Number**  
9714535459

**Email address (Optional)**  
rakeshkumar@gmail.com

**Password**  
.....

**Confirm Password**  
.....

SignUp

Already have an account with us [Login Here](#)

Figure: 4.4.1 Customer Signup

## Electronics Shopping System

### Signup Form Validation:

CREATE YOUR ACCOUNT

**Your Name**  
Rakesh Kumar

**Mobile Number**  
971453  
Your Mobile Number must be atleast 9 digits long

**Email address (Optional)**  
rakeshkumar@gmail.com

**Password**  
\*\*\*  
Your Password must be atleast 6 characters long

**Confirm Password**  
\*\*\*\*\*  
Password and Confirm Password do not match

SignUp

Already have an account with us [Login Here](#)

Figure: 4.4.2 Form Validation

## Electronics Shopping System

### Customer Login:



A screenshot of the 'CUSTOMER LOGIN' form. It features a title bar, two input fields for 'Email or mobile phone number' (containing 'saifujasoor@gmail.com') and 'Password' (masked with dots), a 'Forgot your password?' link, a red 'Log In' button, and a link to 'Create New Account' for new users.

CUSTOMER LOGIN

Email or mobile phone number

saifujasoor@gmail.com

Password

.....

[Forgot your password?](#)

[Log In](#)

New to A to Z Electronics? [Create New Account](#)

Figure: 4.4.3 Cusomter Login

### Login Validation:



A screenshot of the 'CUSTOMER LOGIN' form showing a validation error. A red message box at the top states 'Invalid Email and Password'. The form fields and buttons are identical to the previous figure.

Invalid Email and Password

CUSTOMER LOGIN

Email or mobile phone number

saifujasoor@gmail.com

Password

.....

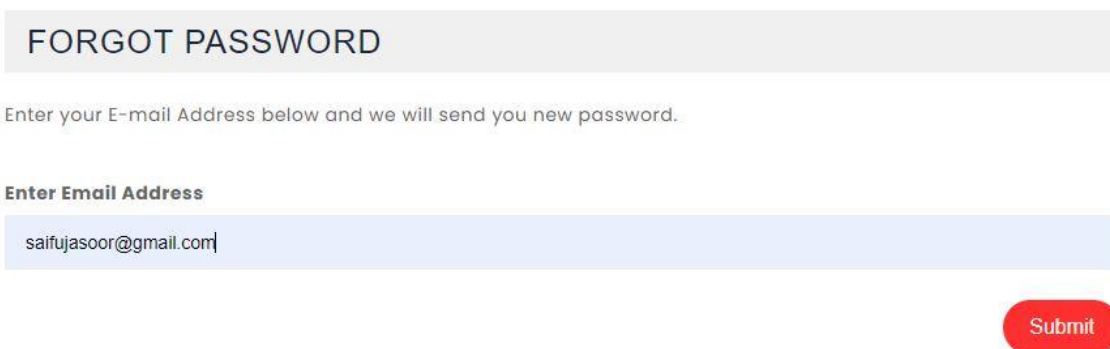
[Forgot your password?](#)

[Log In](#)

New to A to Z Electronics? [Create New Account](#)

Figure: 4.4.4 Login Validation

### Forgot Password:



A screenshot of the 'FORGOT PASSWORD' form. It includes a title bar, a message 'Enter your E-mail Address below and we will send you new password.', an 'Enter Email Address' label, an input field with 'saifujasoor@gmail.com', and a red 'Submit' button.

FORGOT PASSWORD

Enter your E-mail Address below and we will send you new password.

Enter Email Address

saifujasoor@gmail.com

[Submit](#)

Figure: 4.4.5 Forgot Password



## Electronics Shopping System

### Home Page after Login:

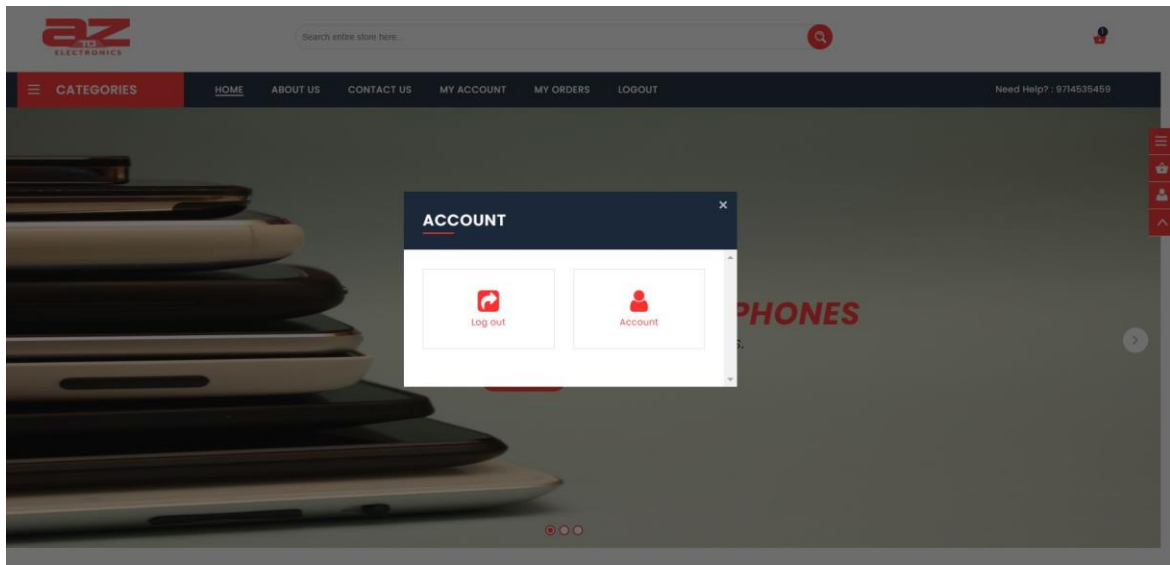


Figure: 4.4.6 Home Page After Login

### User Dashboard:

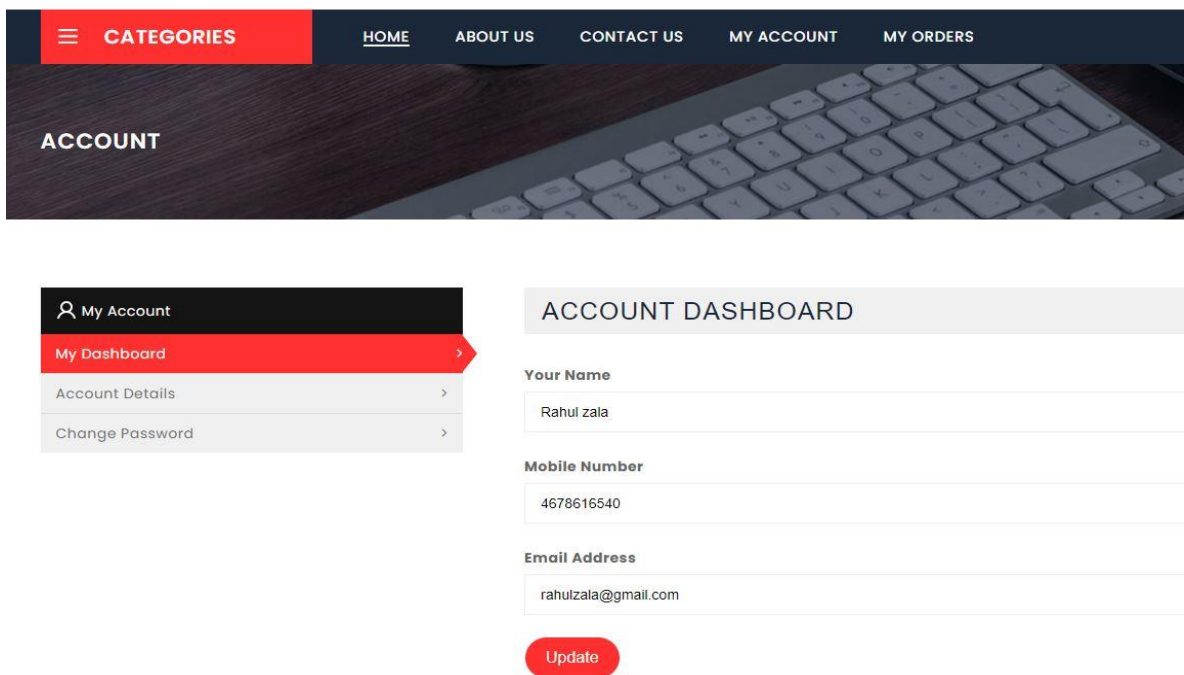


Figure: 4.4.7 User Dashboard

## Electronics Shopping System

### Account Details:

**ACCOUNT DETAILS**

**Shipping Address 1**

**Rahul Zala**  
rahulzala@gmail.com  
7823749382  
a-24, Marwadi university  
Morbi High road  
Marwadi University-360003  
India

Default Edit Remove

Add Address

Figure: 4.4.8 Account Details

### Add Shipping Address:

**SHIPPING ADDRESS**

Saifu saifu@gmail.com

9714535459

Ahmedabad

a-24, Marwadi university

Please provide the number and street.

Morbi High road

Please include landmark (e.g : Opposite Bank) as the carrier service may find it easier to locate your address.

☒ Select as a default

Add Address

Figure: 4.4.9 Shipping Address

### Change Password:

**CHANGE PASSWORD**

**Current Password**  
Old Password

**New Password**  
New Password

**Confirm Password**  
Confirm Password

Change Password

Figure: 4.4.10 Change Password

## Electronics Shopping System

### Product – Add to Cart:

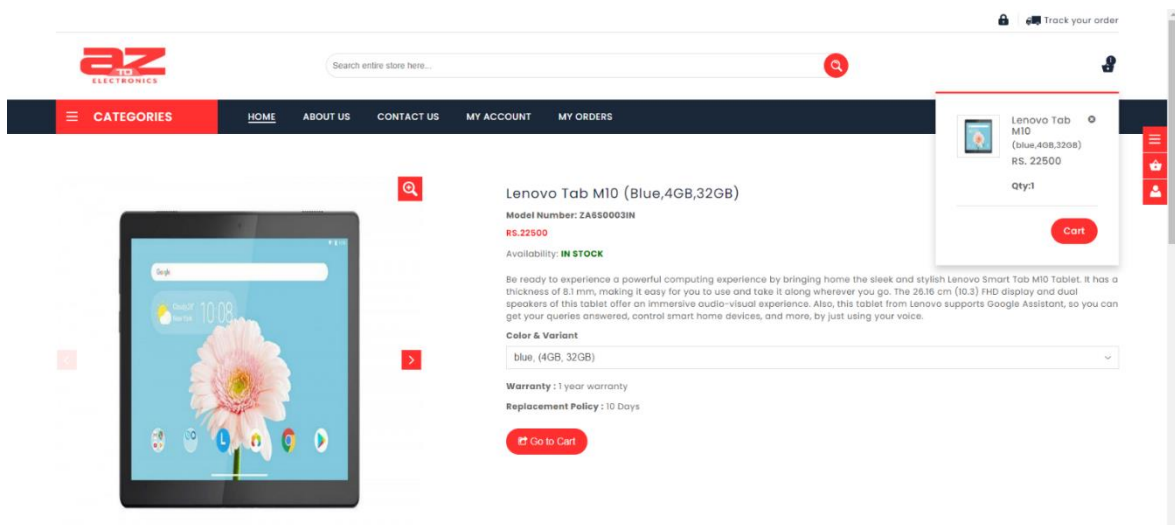




Figure: 4.4.11 Add to Cart

### Shopping Cart:

Product	Product Name	Price	Quantity	Sub Total	Action
	Lenovo Tab M10 (blue, 4GB, 32GB)	RS. 22500	1	RS. 22500	

[Continue Shopping](#)

Cart Total	
Item(s) Subtotal	RS. 22500
Shipping	RS. 0
<b>Amount Payable</b>	<b>RS. 22500</b>

[Proceed to checkout](#)

Figure: 4.4.12 Shopping Cart

## Electronics Shopping System

### Checkout Page:

**CHECKOUT** Home / Cart / Checkout

**SHIPPING ADDRESS** Rahul Zala, a-24, Marwadi university, Morbi High road, Marwadi University - 360003 India

**BILLING ADDRESS**

Rahul Zala rahulzala@gmail.com

7823749382 Marwadi University - 360003

Rajkot Gujarat

a-24, Marwadi university

Please provide the number and street.

Morbi High road

Please include landmark (e.g : Opposite Bank) as the carrier service may find it easier to locate your address.

☒ Use my delivery address as my billing address

**Cart Total**

Item(s) Subtotal	RS. 22500
Shipping	Rs. 0 (Free)
Amount Payable	RS. 22500/-

**Select a payment method**

☐ Pay Online

☒ Cash on Delivery

**Place Order**

Figure: 4.4.13 Checkout Page

### Order Placed Successfully –Thank You Page:

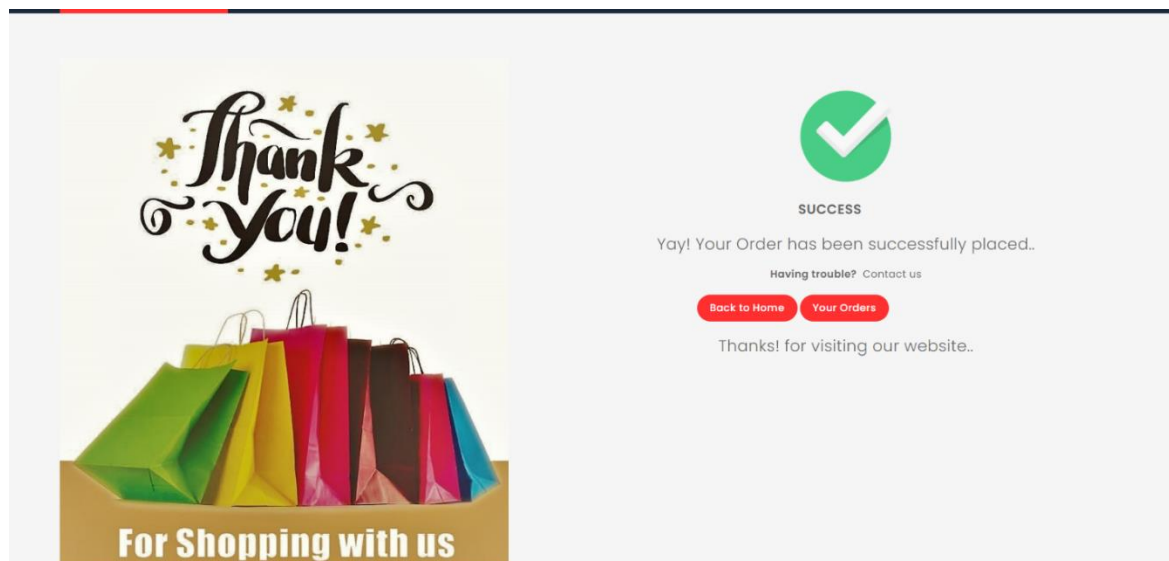


Figure: 4.4.14 Oder Placed

## Electronics Shopping System

### Place Order – Tracking Details:

My Orders / Tracking

ORDER ID: 2832893

Order Date & Time:  
2021-07-21 21:32:23


Total Amount:  
RS. 22500

Order Placed


Order Shipped

On the way

Order Delivered

 Lenovo Tab M10 (blue,4GB,32GB)  
Qty: 1  
RS. 22500

Cancel Order

Invoice 

My Orders / Tracking

ORDER ID: 2832893

Order Date & Time:  
2021-07-21 21:32:23


Total Amount:  
RS. 22500

Order Placed

Order Shipped

On the way

Order Delivered

 Lenovo Tab M10 (blue,4GB,32GB)  
Qty: 1  
RS. 22500

Return Order

Invoice 

Figure: 4.4.15 Order Tracking


### Cancel Order:

Order Placed


Order Shipped

On the way

Order Delivered

 Realme 7 Pro (carbon,4GB,64GB)  
Qty: 1  
RS. 12499

Cancel Order

Invoice 

ORDER ID: 8469072

Are you sure?

You will not be able to recover this imaginary file!

No, cancel pixl

Yes, delete it!

My Orders / Tracking

ORDER ID: 2527467

Order Date & Time:  
2021-07-21 21:42:43

Total Amount:  
RS. 12499

Order Placed

Order Cancelled

 Realme 7 Pro (carbon,4GB,64GB)  
Qty: 1  
RS. 12499

Figure: 4.4.16 Cancel Order

## Electronics Shopping System

### Return Order:

WHY ARE YOU RETURNING THIS?

i don't need now

Close Return Order

ORDER ID: 2832893

Order Date & Time:  
2021-07-21 21:32:23

Total Amount:  
RS. 22500

Order Placed Order shipped On the way Order Delivered

Lenovo Tab M10 (blue,4GB,32GB)  
Qty: 1  
RS. 22500

Return Order

Lenovo Tab M10 (blue,4GB,32GB)  
Qty: 1  
RS. 22500

THIS PRODUCT HAS BEEN RETURNED

Invoice

Figure: 4.4.17 Return Order

### Invoice:

### Invoice

**A to Z Electronics**  
Near Marwadi University, Morbi Road, rajkot, gujarat  
9714535459  
codewithsaifullah@gmail.com

**Shipped To:**  
Rahul Zala  
a-24, Marwadi university,  
Morbi High road  
rahulzala@gmail.com  
Marwadi University - 360003  
India

**Billed To:**  
Rahul Zala  
a-24, Marwadi university,  
Morbi High road  
rahulzala@gmail.com  
Marwadi University - 360003  
India

**Payment Method:**  
COD

**Order Date:**  
2021-07-21 21:32:23

**Order Summary:**

No	Product Name	Price	Qty	Total
1	Lenovo Tab M10 (4GB,32GB)	RS. 22500	1	RS. 22500

Subtotal RS. 22500  
Shipping Charges (+) RS. 0  
Grand Total RS. 22500

Figure: 4.4.18 Invoice

## **4.5 Testing And Implementation:**

### **4.5.1 Testing Approaches Used: -**

We all have to agree that in today's ever-changing and competitive world, the internet has become an integral part of our lives.

Most of us make our decisions by searching the information on the internet these days. Hence hosting a website is no longer optional but mandatory for all kind of businesses. It is the first step in becoming and staying relevant in the market.

Just having a website is not enough. An organization is needed to develop a website that is informative, accessible and user-friendly. To maintain all these qualities, the website should be well tested, and this process of testing a website is known as web testing.

### **What is Web Testing?**

Web testing is a software testing practice to test the websites or web applications for potential bugs. It's a complete testing of web-based applications before making live.

A web-based system needs to be checked completely from end-to-end before it goes live for end users.

By performing website testing, an organization can make sure that the web-based system is functioning properly and can be accepted by real-time users.

### **Models of Testing:**

There are different models of testing. On the basis of testing methods there are two type of testing:

- **Black-box testing**
- **White-box testing**

Black-box tests are used to demonstrate the software function are operational, that input is properly accepted and output is correctly produced, and that integrity of external information is maintained.

White-box tests are used to examine the procedural details. It checks the logical paths by test case. It can also check the conditions, loops used in the software coding. It checks that loops are working correctly on defined boundary values.

#### **1) Black-box testing**

Black-box testing focuses on the functional requirement of the software. The black-box testing enables the software engineer to drive sets of input condition that will fully exercise all functional.

Requirements for the program. Black-box testing is not an alternative to white-box testing techniques. Rather; it is complementary approach that is likely to uncover a different class of error than white-box methods.

We use in our coding to find error in the following categories

- Incorrect or missing functions.
- Interface errors.
- Performance errors.
- Initialization and termination errors.

Unlike White-box testing, which is performed earlier in the testing process black-box testing tends to be applied during later stages of testing. Because black-



## Electronics Shopping System

box testing purposely disregards control structure, attention is focused on the information domain.

By applying black-box techniques, we derive a set of test cases that satisfy following criteria.

Typical Black box test design technique includes: -

- Functional Testing
- Non-Functional Testing
- Regression Testing

### 2) White-box testing

White-box testing sometime called glass-box testing, is a test case design method that users the control structure of the procedural design to drive the test case.

Always we are thinking that is no execute or checks the loops and Conditions. And so large number of error is uncovered.

- All independent paths within a function have been executed at least once.
- All logical decisions on their true and false side.
- All loop working correctly at their boundary values and within their specified conditions.

In SDMS coding we test that all loop works truly in each module. The one technique of white-box testing is basis path testing

Typical White box test design technique includes: -

- Control testing
- Data flow testing

## 4.5.2. Test cases: -

### User Test Case: -

Test Id	Purpose	Required Input	Expected Result
1.	Verify the user is able to login	User Email and password	Successful login
2.	Registration user In required field complete	Truth Information	Successful user create
3.	The better user to interface for dropdown, radio button and checkbox etc	right option to select and click	Successful css is work
4.	The submit page and reset page to redirect to page	Click to reset and submit button or refresh page	Successful link is work
5.	the database with connectivity and operation to perform	Internet is require And right information	Successful database response
6.	The user is change the password	Old password is require and login	Successful change to password
7.	Verify to the client side validation of basic input	Like email , phone, payment etc	Successful validation is response
8.	Registration form in field is blank put given error	Blank required field	Successful given to error
9.	Database with data mismatch and database given error	Wrong information	Successful given to database response
10.	forgotten password to link click after sent email to user	Given to email right for email	Successful sent the email To user
11.	Verify to the numeric and special character in field	Email,phon,address	Successful field is complete
12.	Product is Add cart to proper way and see the cart option	Select product and login	Successful see to the cart
13.	Address in complete all field with detail verified	Right address	Successful verify address and store to the database
14.	Successful payment to online method	Debit card ,credit card ,net banking, Upi ,paythm	Successful payment by server
15.	User place order and bill generate	Successful payment	Successful generate bill
16.	Tack to order and give information	Login	Successful server is response

Table: 1.9

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### Admin Test case: -

Test Id	Purpose	Required Input	Expected Result
1.	Verify the admin is able to login	User Email and password	Successful login
2.	Registration company By admin	Login with emails	Successful admin create Company
3.	Admin add product and details	Information and image	Successful add product database and client side
4.	Add pin code, state, city.	Information	Successful store database and client side
5.	View the user contact information	Admin login	Successful database response
6.	The Admin is change the password	Old password is require and login	Successful change to password
7.	Verify to the Admin side validation of basic input	Product details ,image.	Successful validation is response
8.	Add product form in field is blank put given error	Blank required field	Successful given to error
9.	Database with data mismatch and database given error	Wrong information	Successful given to database response
10.	Place order information	Login	Successful sent the information To user
11.	Verify to the numeric and special character in field	Email,phon,address	Successful field is complete
12.	Add category wise product	Product information	Successful add to category
13.	Product details to edit	Product information	Successful edit product details
14.	Successful payment to online method	Debit card ,credit card ,net banking, Upi ,paythm	Successful payment by server
15.	Delivery information	Delivery information	Successful response to database
16.	Tack to order and give information	Login	Successful server is response

Table: 1.10

### **4.5.3. Implementation Approaches: -**

#### **Initiation Phase:**

Throughout the initiation phase, project management consultants use pilot projects to build process momentum, overcome natural resistance to change, and gain first-hand knowledge of your . The goal of this phase is to successfully mobilize your, remediate any current at-risk projects, and set the stage for the next two installation phases. During this phase, the project management methodology is introduced and software training is conducted; but only for those individuals who will be specifically associated with pilot project teams. Also, a plan for the project-level installation phase is developed and key tools are created that will be utilized during the remaining installation phases.

#### **Project-Level initiation Phase:**

The second phase utilizes information gathered from pilot projects in the initiation phase to roll-out structured project planning and control processes for all remaining projects, as well as to formally establish the Project Management Office.

This phase can include the creation of PMO job descriptions, formal guidelines for project planning/control, a project web site, and a web-based activity update system - basically the necessary infrastructure to support the consistent, successful application of project management techniques by the PMO.

Project Management Training is also rolled-out to the entire during the project-level installation phase. By the conclusion of this phase, the nucleus of a Project Management Office is in-place, all project team members have been trained, and the project management consultants are ready to begin transitioning from their role of supporting project team requirements to supporting the PMO staff.

### **Enterprise-Level Installation Phase:**

During the enterprise-level installation phase, tools are implemented that are focused on managing as entire portfolio of projects. Examples of these tools include; enterprise performance metrics, a management "dashboard" to gain summary-level visibility to project status, and project scheduling based on limited resources and project priority (enterprise resource levelling).

The intent of these types of tools is to

(1) Provide management with timely and accurate information about the status of the all the projects being undertaken by the and (2) Support business decision-making that impacts the successful completion of projects such as: changes to staffing, funding, project prioritization, and workload.

During the enterprise-level installation phase, the Project Management Office staff has already begun to assume some of the day-to-day responsibilities for developing and maintaining ongoing project plans.

In doing so, the PMO staff is able to free-up the project management consulting firm to focus on the design and implementation of the enterprise-level tools. By the end of this phase, all responsibility for developing and updating individual project plans have been transitioned from the Project Management Consultants to the PMO staff.

### **Maintenance Phase:**

The final phase marks the important transition of the Project Management Office from the project management consultants back to the. In addition to supporting the day-to-day responsibilities for planning and controlling individual projects, the PMO staff will now become the focal point for providing the enterprise-level information and analysis required by management.

At this point in the project management implementation process, the has been well trained, numerous success stories have been created and communicated, virtually all projects have well-developed project plans, and there is widespread support for investing in a formal project planning and control process.

Also, the Project Management Office infrastructure is in place, the PMO staff has been trained, and management has necessary visibility to the key project portfolio level information.

Successful completion of this phase creates long-term continuity by implementing the necessary policies and incentives to permanently inculcate project management into the culture of the. Ideally, formal project planning and control processes will become recognized as a required core competency and an essential function within the.

## **Electronics Shopping System**

### **Phase 1: Initiation Phase:**

- Initial communication(s) to management and assistance in the identification of pilot projects.
- Project management methodology and software training for identified pilot team members.
- Project plans and formal control processes in place for all identified pilot projects.
- Standardized project coding structures and project-level report formats.
- Finalized requirements and a plan for the project-level installation phase.

### **Phase 2: Project-Level Installation Phase:**

- Network-based, structured project plans and formal control process for all targeted projects.
- Rollout of PM/software training to all project leaders and team members.
- Training and mentoring of PMO personnel.
- Implementation of the initial PMO infrastructure.
- Finalized requirements and a plan for the enterprise-Level implementation phase.

### **Phase 3: Enterprise-Level Installation Phase:**

- Implementation of the enterprise-level PMO infrastructure.
- Turnover to PMO staff of the day-to-day responsibility for developing and maintaining individual project plans.
- Finalized requirements and a plan for the maintenance phase.

### **Phase 4: Maintenance Phase:**

- Turnover to Project Management Office staff the responsibility for supporting all of the project management requirements.
- Recommendations to management for policies and incentives required to permanently establish project management as a core competency and essential function.

## **5. Proposed Enhancements:**

We think that not a single project is ever considered as complete forever because our mind is always thinking new and our necessities also are growing. Our system Also, if you see at the first glance that you find it to be complete but we want to make it still mature and fully automatic. The system is modified in future as per the owner requirement.



## **6. Conclusion:**

There may be some error or some defect in the work. I have taken enough care to make the project user friendly and more interactive. I have tried my level best to make the service useful and to provide maximum facility but I never claim that this system may fulfil all requirement in every condition. I hereby conclude these reports which give information regarding the development and the user of application with an overview of different aspect of it.

## **7. Bibliography:**

Bibliography means that we have referred while doing project like, which sites we gone through and which books we have referred or which magazines we have seen to implements this project. There are many books and websites that can help us proper guild line to implements my system in the right direction.

### **References Books:**

#### **Laravel**

The Ultimate Beginner's Guide to Learn Laravel Step by Step, 2nd Edition



By: Rufus\_Stewart

### **Websites:**

- ✓ <https://laravel.com/>
- ✓ <https://www.tutorialspoint.com/>
- ✓ <https://www.w3schools.in/laravel-tutorial/>
- ✓ <https://www.youtube.com/>