**REQUIREMENT ANALYSIS AND UNDERSTANDING**

**E-Commerce Solution For Online Shopping**

**Objective**: This project is aimed at developing an E-Commerce Solution for Online Shopping. This is a web based application that can be accessed over the web. This system can be used for adding new products, searching and managing the existing products and place an order for a product. This is an integrated system that contains three user components, Admin component, Sales Manager component and Customer component.

**Login Module:**

Login module is common for all the users of the system ie. Admin,Customer and Sales Manager.

Basic functionality of module are as follows:

1. Taking login credentials from the user.

2. If given credentials are wrong show appropriate message.

3. If login succeeds user will be navigated to their respective homepage as per the role.

**Registration Module:**

If a visitor wants to buy any product then he/she will be asked to register.

Visitor will be asked to enter the following details:

1. Full Name
2. User Name
3. City
4. Email Id
5. Password
6. Contact Number

Note: If the username is already exists then the visitor will be asked to change the username.

Assumptions: A re-type password field is given to confirm password before registering.

**View Item Module:**

Items can be viewed by a visitor or a registered customer

* If a user (who is not logged in) directly tries to buy any item then he/she will be redirected to the login page.
* If a user (who is already logged in) tries to buy any item then that item will be added to the cart.
* Customer can place an order or continue shopping.

Assumption:Customer is provided with the provision to buy more items or delete items from the cart in the same visit.

**Place An Order Module:**

The customer is shown the order details with the total amount.

* Confirm Order
* Cancel Order

Assumption:Confirm order facility is provided to the customer to ensure that customer wants to place order.

**Search item Module:**

* This module can be used by a visitor as well as registered customer.
* Product is displayed as per the user’s input(if found).

**Add Product Module:**

Admin will add a new product.

Admin will be asked to enter the following details:

1. Product Name
2. Product Description
3. Product Image
4. Product Price
5. Product Quantity

**Update Product Module:**

* Admin will update an existing product.
* Admin can update all the details mentioned in the add product module

**View Reports Module:**

Sales manager will view the following reports:

* By date- between a particular interval
* By status- depending upon the status of the placed order(Delivered/Pending).
* View all-details of all products.

**Added functionalities**

* Welcome message along with user’s name is displayed after successful login on the Homepage.
* Change password functionality is provided.
* Option for user to register directly from Homepage.
* Drop down Menu bar is provided on the Homepage to show the product categories.
* Use of ‘cart’ icon on homepage as a shortcut to view cart(after the customer is logged in).