

Online Shopping

Case Study



Topic – Easy Shopping

Domain – E-Commerce

Project Abstract :

Application developed is an E-Commerce Web Application. The product will provide platform for several individuals and companies to sell their products. The application is intended to be small and resource efficient. Application will implement all the CRUD operations on database. The goal of our application is to provide a quick and easy to use interface for all users.

Online shopping application has 3 users:

1. Admin
2. Retailer
3. User

UI will be efficient and user-friendly with simple transitions and minimal fields in forms. User will be provided with a search bar to further ease the process of getting an eye on his need from the application. Several features that'll help the user to customize his/her window or view (example sort) will be implemented.

Equipping compare will help the user to better decide on their choice. User can compare up to four products at a time. The system will be available to all users but compare and checkout component will require user to signup/login. Signup and login will contain minimal fields. The user will have the option to update quantity on the cart page i.e. before he proceeds to checkout. UI will be user friendly, working will be efficient. The system will allow user to shop around with ease and open doors to many small retailers that would never be in business if they had to incur the high cost of owning a brick and mortar store.

Modules:

1. Login: The user can login using email and password. If the user fails to enter correct email and password, the Forgot Password option can be clicked which will allow the user to reset the password with OTP. The user can purchase a product, compare or add to wish list only when he/she logs in. Web application has been designed separately for admin logins.
2. Signup: Users should enter their personal details like name, email id, mobile number. The user must choose a password for himself which will be used for future logins. After successful registration, the user can login to the application. Web application has been designed separately for admin sign-up.

3. User: The user will be provided with features like sort, filter, search products on the home page, to ease the search of the product. Sorting can be done either alphabetically based on product name. Filtering can be done with respect to price of the product.
The user can search for a product by entering a keyword from either of its name or description. If the user likes a product but does not wish to buy it now, he/she can add it to the wish list. If a user is in a dilemma as to which product to choose, there is an add to compare option for each product wherein the user can select different products for comparison (maximum 4) . A product can be added to cart if the user decides to purchase it. The user can update the quantity of the product using plus minus signs which will auto-update the price. The user can place order when he decides to purchase product(s). The User Profile will display wish list, cart and order history.
4. Retailer: A retailer can update(add/modify) stock as and when he wishes. Retailer can only be able to see the products added by him.
5. Admin: Admin can view all products and retailers, add or remove a retailer.

Sample Output Screen for reference:

(1) Homepage: Any user can initially see the home page

LOG

Products

Compare

Wish list

CART

Login/SignUp

Search Bar

←

Product Image Display

→

(2) Login Page: Registered Users can Login to buy the products and add to wish list.

HEADER

E-Mail Id

Password

LOGIN

FORGOT

New user? Register

FOOTER

Forgot Password Page:

HEADER

Enter New Password

Confirm New

Enter OTP Code:

FOOTER

(3) Registration page

HEADER	
NAME:	YOUR NAME
MOBILE NO:	MOBILE NO
EMAIL ID:	EMAIL ADDRESS
PASSWORD:	PASSWORD
CONFIRM PASSWORD	CONFIRM PASSWORD
<div>REGISTER</div> <div>ALREADY HAVE AN ACCOUNT? SIGN IN.</div>	
FOOTER	

- (4) Registered User's Dashboard: Once user logs in, user can see the webpage with options user name, log out.

LOGProductsCompareWish listCARTUsername

Search Bar

Product Image Display

- (5) Products display page: user will be guided to the list of products available for purchase along with filtering options like selecting a particular brand or price range, etc.

LOGProductsCompareWish ListCARTUsername

Search Bar

SORT:

Name

desc

FILTER

Brand names

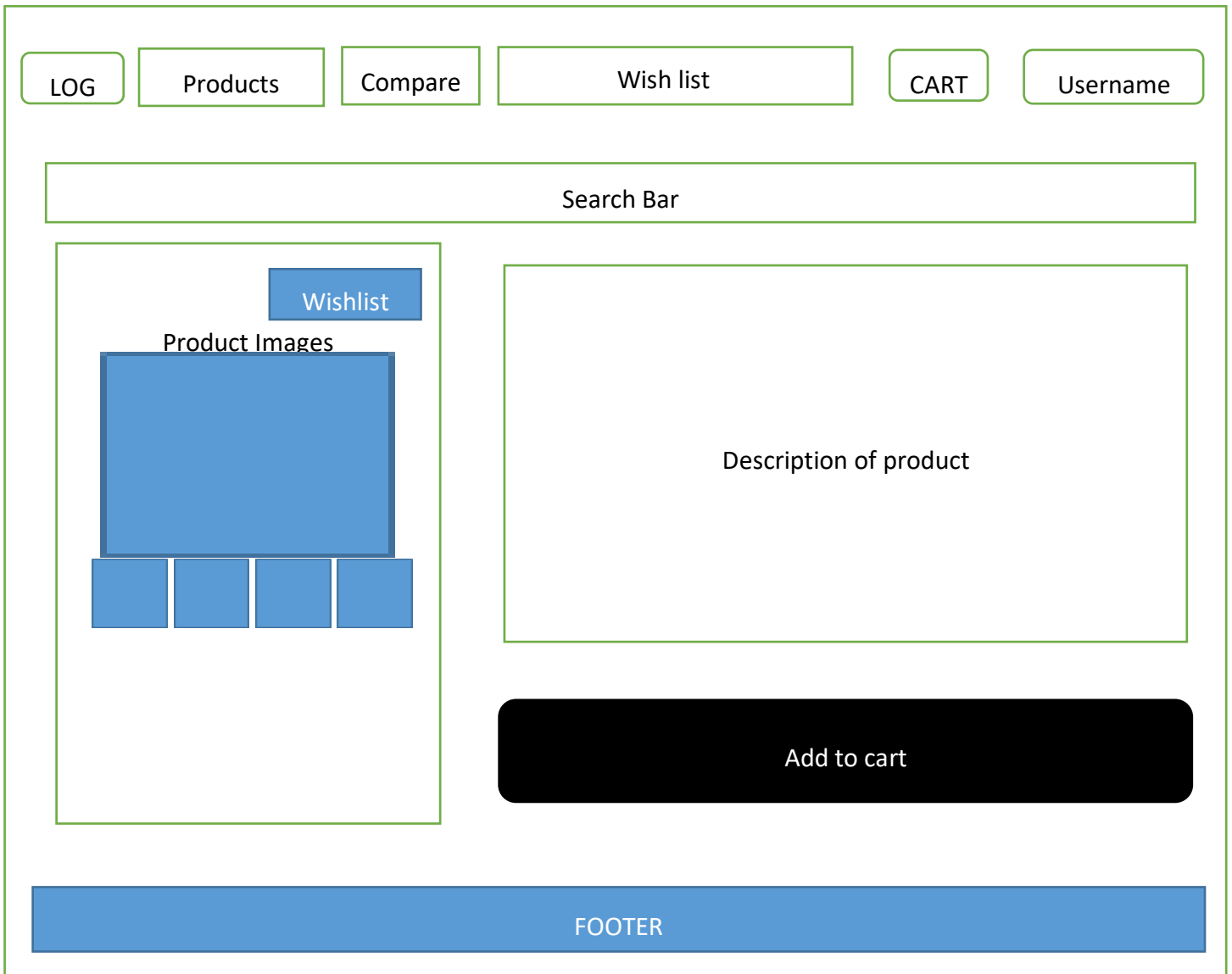
Price

PRODUCT 1

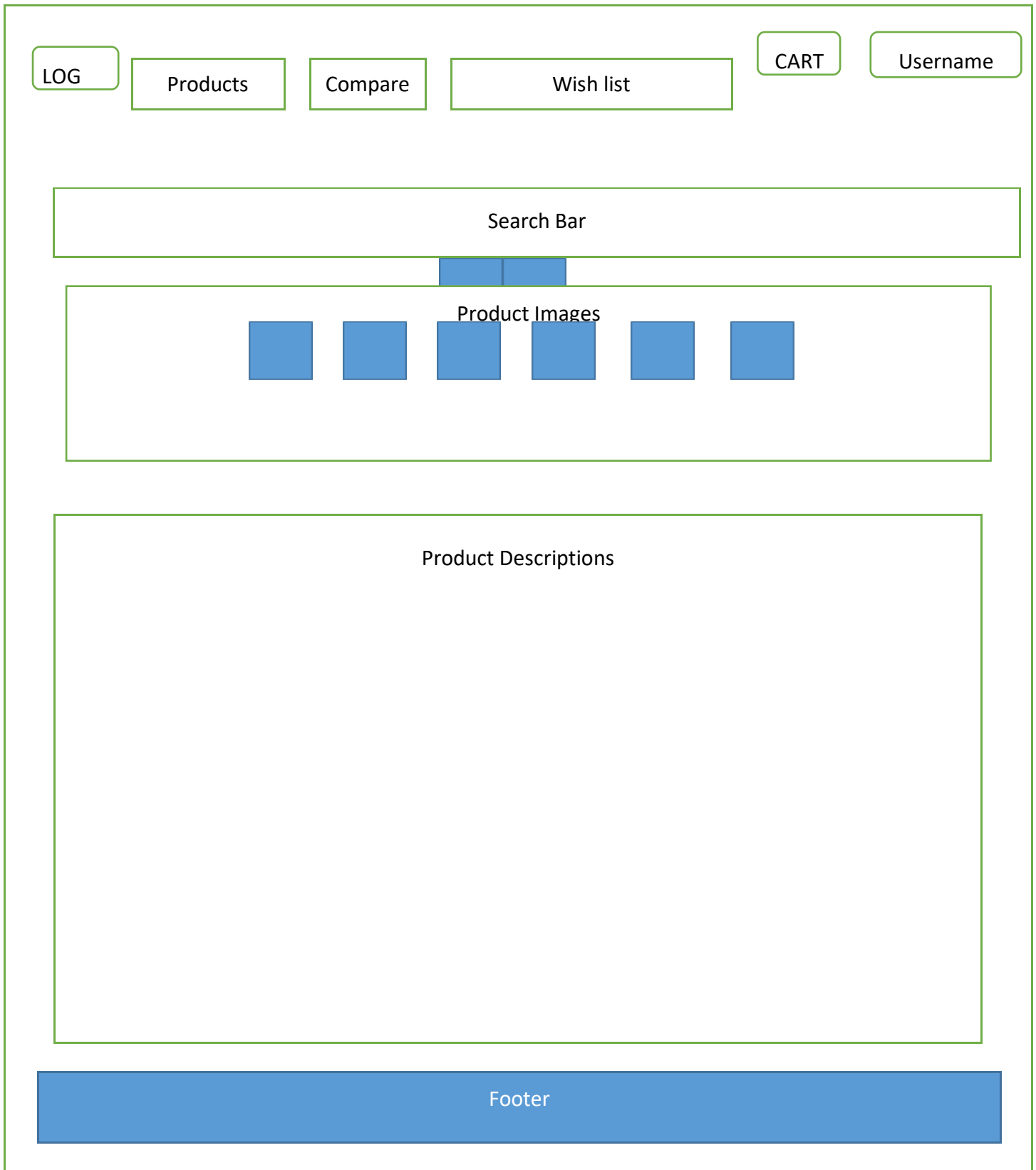
PRODUCT 2

Footer

- (6) Product description page: Contains image of the product along with description, quantity, etc.



(7) Compare Page: User can compare between different products(up to 4)



(8) Cart Page: Cart page shows the selected products to be purchased and price details.

LOG

Products

Compare

Wish list

CART

Username

Search Bar

Product Image	Product Name	Price	- Quantity +	Price Details
Product Image	Product Name	Price	- Quantity +	Total Price
<div>Continue Shopping</div> <div>Place Order</div>				Total

Footer

(9) Retailer Profile

ADD PRODUCT	
Product Name	Entered Product Name
Product Image	Entered Product Name
Product Description	Entered Product Name
Product Price	Entered Product Name
Submit	

(10) Admin Profile:

ADD RETAILER	
Retailer's ID	Entered Retailer's ID
Retailer's Name	Entered Retailer's Name
Retailer's E-mail	Entered Retailer's E-mail
Retailer's Mobile No.	Entered Retailer's Mobile No.
Submit	

Agile Methodology:

Abstract:

Agile development is a group of software development methodology based on iterative and incremental development, in which requirements and solutions evolve through collaboration between self-organizing, cross-functional teams.

Steps to follow in Agile methodology:

- You need to identify various user stories and its modules/tasks which needs to be implemented in the project as a part of Sprint planning.
- Divide all the user stories in two Sprints. Duration of each Sprint will be 3 days.
- Any backlogs of Sprint 1 should be included in Sprint 2 along with stories of Sprint 2.
- You need to prepare Scrum boards for each sprint. You can include both sprints in one scrum board if there is enough space for the same.

Instructions for writing scrum board:

- Chart papers, sketch pens, measurement scale and sticky notes will be provided for scrum board preparation.
- You need to decorate your scrum board well and it should be clean, visible and selfexplanatory.
- Discover a unique name for your project.
- Mention Group Number, TL and group member's name in the scrum board.

Format for Scrum Board:

<p style="text-align: center;">Your Project Name</p> <p>Team Leader: <Name></p> <p>Group Members:</p> <p>Logo, if any 1.</p> <p>2.</p> <p>3.</p>					
User Story	TO DO	In Progress	Impediments	To Verify	Done



Document title goes here



Date:

