

1.1 Existing System

Application	Pros	Cons	Core Components	Functionality
Vero Moda	User-Friendly Design Responsive and Mobile-Friendly, Efficient Search and Filters	No Live Chat Support, Limited Product Information, Size Inconsistencies, Cluttered Navigation, on All Items, Difficulty in Contacting Customer Support:	Product Search, Categories and Filters, High-Quality Product Pages, Customer Accounts, Order Tracking, Returns and Exchanges, Size Guide,	Community Awareness Section, Blog or Style Inspiration, Subscription & Exclusive Memberships, Personalized Recommendations
KALKI Fashion	Well-Organized Categories, High-Quality Images, Comprehensive Product Descriptions, Store Locator	Slow Loading Times, Limited International Shipping, No Live Chat Support, Return Process Delays	Product Search, Filters and Sorting Options, Add to Cart and Shopping Cart Management, Secure Checkout, Order Tracking, Returns and Exchanges	Loyalty & Rewards Program, Interactive Lookbook / Style Guide, Social Proof & Influencer Integration, Subscription & Exclusive Memberships
Fabindia	Detailed Product Descriptions, Easy Return & Exchange Policies,	Navigation Issues on Mobile, Slow Load Times,	Product Search, Filters and Sorting, Product Details, Secure Checkout Process,	Blog or Style Inspiration, Subscription-Based Services,

	Personalized Recommendations , In-Store Pickup Option,	Stock Availability, Complex Checkout Process, Lack of Live Chat Support	Order Tracking, Customer Accounts Location-based Store Finder	Gift Wrapping and Personalized Messages, Product Customization
Snitch	Trendy Designs, Variety, User-Friendly interface, Trendy & Fast Fashion Updates	Return Policy Fees, Product Quality concerns, App performance Over Website, Stock Availability	Product Browsing & Categories, Product Details Page, User Account Management, Customer Support, Newsletter Sign-Up, Mobile App Integration	Order Tracking and Notifications, BackInStockNotifications, User Empowerment Features, Community Awareness Section
Raymond	Clear Product Categorization, Detailed Product Descriptions, Customer Reviews, Social Media Integration	Cluttered Design, Slow Loading Times, Stock Availability Issues, Limited Payment Options in Some Regions, No Personalization of User Experience	Product Search, Category Browsing, Product Filters, Secure and Convenient Checkout, User Account Creation and Management, Return and Exchange Process, Promotions and offers	Fabric Finder, Loyalty & Rewards Program, Flash Sales & Limited-Time Offers, Tailoring & Customization Services

1.2 Need for the New System

Fashion Hub website should make online shopping easy and enjoyable for customers while promoting the brand and increasing sales. Here are the main goals:

1. Better Product Display

- High-quality images and clear descriptions help customers choose better.
- Well-organized categories make browsing easier.

2. Improved Customer Experience

- Wishlist, personalized recommendations, and loyalty programs keep customers engaged.
- A smooth and easy-to-use website makes shopping hassle-free.

3. Clear Product Information

- Accurate size guides, fabric details, and reviews help customers make the right choice.
- This reduces returns and increases customer satisfaction.

4. Safe and Secure Payments

- Customers need a secure payment system to trust the website.
- Multiple payment options like credit/debit cards, and cash should be available.

5. Fast and Reliable Delivery

- Customers expect quick deliveries with proper tracking.
- Providing estimated delivery times and express shipping options builds trust.

6. Easy Order Tracking

- Customers should be able to track their orders.
- Notifications for order confirmation, shipping, and delivery updates improve the experience.

1.3 Objective of the New System

The main goal of Fashion Hub, a website, is to make online shopping easy, efficient, and user-friendly, allowing customers to browse, buy, and receive products smoothly.

1. **Enhanced User Experience (UX)** – Ensure easy navigation with clear categories, filters (size, price, etc.), and fast-loading pages.
2. **Improved Product Presentation** – Use high-quality images and videos with zoom features to give customers a detailed view of products.
3. **Customer Engagement and Support** – Allow customer reviews and ratings to build trust and create a strong shopping community.
4. **Customer Feedback and Continuous Improvement** – Collect regular feedback through surveys and reviews to improve the website based on user needs.
5. **Seasonal & Regional Trends** – Stock clothing based on local fashion trends, weather, and cultural preferences to attract more customers.
6. **Fast Delivery for Local Customers** – Offer quick shipping options for local buyers, ensuring they receive their orders Provide same-day or next-day delivery a better shopping experience.

By achieving these objectives, the website can increase sales, improve customer satisfaction, and build long-term loyalty

1.4 Problem Definition

With the increasing demand for online shopping, customers are looking for convenient, fast, and reliable platforms to purchase clothing. However, many local fashion retailers lack an efficient online presence, which limits their reach and makes it difficult to manage orders, showcase products, and provide a smooth customer experience. The Fashion Hub website aims to solve this problem by offering a centralized digital platform where businesses can display their clothing collections, manage inventory, handle customer orders, and provide a user-friendly shopping experience. The goal is to bridge the gap between local fashion stores and modern consumer expectations through a reliable and scalable e-commerce solution.

1.5 Core Components

1. Product Management System:

A backend interface that allows administrators to add, update, categorize, and manage clothing items, including details like descriptions, prices, sizes, colors, and stock levels.

2. User Account Management:

Enables customers to create and manage personal accounts, track orders, save favourite items, and manage shipping addresses.

3. Shopping Cart and Checkout System:

Facilitates the selection of multiple items, adjusts quantities, applies discount codes, calculates totals, and processes payments securely.

4. Payment Gateway Integration:

Connects the website to payment processors to handle transactions via credit/debit cards, digital wallets, or other payment methods securely.

5. Banner Management:

Utilizing banners for promotions, new arrivals, or special events captures customer attention and drives engagement. Effective banner management allows for timely updates and targeted marketing campaigns.

6. Brand Collaboration:

Dedicated pages for brand collaborations showcase exclusive collections and partnerships, enhancing brand value and attracting customers interested in specific brands or designer collaborations.

7. Customer Reviews Management:

Incorporating a review system builds trust and provides social proof, as potential buyers can read about others' experiences with products, influencing their purchasing decisions.

1.6 Project Profile

Project Name	Fashion Hub
Purpose	This Fashion Hub system will focus on user-friendly design, real-time product updates, secure transactions, and excellent customer support, all while simplifying inventory management for the business. The goal is to create an online clothing store that not only provides a smooth shopping experience but also fosters customer loyalty through promotions.
Group Members	Kushwaha Vijay Rajendra Varma Shivam Nareshkumar
Project Guide	Prof. Krunal Panchal
Technologies Used	HTML,CSS, JavaScript, Laravel (PHP)
Database	MySQL
Group Number	42

1.7 Assumptions and Constraints

1.7.1 Assumptions

1. **Growing Online Shopping Trend** – More people in India are shopping for clothes online, so demand will continue to rise.
2. **Smartphone & Internet Usage** – Customers will access the website mainly through mobile devices with stable internet connections.
3. **Diverse Customer Preferences** – Shoppers will have varied tastes, requiring multiple categories (Men, Women, Kids, Ethnic Wear, Western Wear, etc.).
4. **Multiple Payment Methods** – Users will expect options like UPI, credit/debit cards, net banking, wallets, and cash on delivery (COD).
5. **Standard Delivery Expectations** – Customers will prefer fast delivery (same-day or next-day in metro cities) and reliable tracking.
6. **Trust & Security** – Customers will only buy if they feel safe, so the website should have secure payments and data protection.
7. **Competitive Pricing & Discounts** – Users will compare prices with other platforms, so competitive pricing and offers are necessary.
8. **Festive & Seasonal Demand** – Traffic will be higher during festivals (Diwali, Eid, Christmas, etc.), requiring scalable infrastructure.
9. **Local & Global Brands** – The platform may host both Indian and international clothing brands to cater to different customer needs.

1.7.2 Constraints

Constraints

1. **Logistics & Delivery Limitations** – Fast delivery is easy in metro cities but can be slower in rural areas due to logistics challenges.
2. **High Competition** – The website must compete with major e-commerce platforms like Amazon, Flipkart, and Myntra.
3. **Payment Failures & Fraud** – Online transactions may face issues like failed payments, chargebacks, or fraudulent orders.
4. **Return & Refund Management** – Handling a large number of returns efficiently while minimizing losses is a challenge.
5. **Inventory Management** – Keeping track of stock availability in real-time to avoid overselling.
6. **Customer Trust Issues** – Some users may hesitate to buy due to past bad experiences with online shopping.
7. **Technical Scalability** – The website must handle sudden traffic spikes during sales or festive seasons.
8. **Regional Language Support** – India has multiple languages, so localization might be required to reach a wider audience.
9. **Internet Speed Variability** – Customers in remote areas may face slow internet, so the website should be optimized for all uses.
10. **Regulatory Compliance** – The website must comply with Indian e-commerce laws, data protection rules, and GST regulations

1.8 Advantages and Limitations of the Proposed System

1.8.1 Advantages

1. Targeted Local Audience

The website can focus on local trends and styles, appealing directly to the community's. By catering to local customers, the brand can build strong relationships and foster loyalty within the community.

2. Diverse Product Range:

The website has a wide variety of clothing items, styles, and sizes, accommodating diverse customer needs.

3. Convenient Payment and Checkout Options:

Multiple Payment Methods Offering various payment options like PayPal ,Cash on delivery ,credit/debit cards can enhance customer convenience and Secure Transactions.

4. Reduced Shipping Costs:

Local Delivery Options Shipping costs can be lower for local deliveries, and same-day or next-day delivery options can be offered, enhancing customer satisfaction.

5. Building a Local Brand Identity:

Community Recognition: A local clothing website can establish a strong brand presence within the community, leading to word-of-mouth referrals and local partnerships.

1.8.2 Limitations

1. Limited Market Reach:

Geographical Constraints: The customer base is restricted to the local area, which may limit growth potential compared to a global e-commerce platform.

Seasonal Demand: Local trends may fluctuate seasonally, affecting sales and inventory management.

2. Competition with Local Stores:

Brick-and-Mortar Competition: Local clothing websites may face competition from established physical stores that offer a similar shopping experience.

Price Sensitivity: Customers may prefer to shop in-store to avoid shipping costs, especially for low-cost items.

3. Initial Development and Maintenance Costs:

Website Development: Building a professional website tailored to local needs can still require significant investment in design and technology.

Ongoing Maintenance: Regular updates and maintenance are necessary to keep the website functional and secure.

4. Technical Challenges:

Website Downtime: Technical issues can lead to downtime, resulting in lost sales and customer dissatisfaction.

Payment Integration Errors: Issues with payment gateways (e.g., Stripe or PayPal) can disrupt transactions, causing cart abandonment or mistrust from users.

2.1 Requirement Determination

1. System Overview

The clothing website will serve as an e-commerce platform where users can browse, select, and purchase clothing items. The website will include a user-friendly interface, secure transactions, order tracking, and personalized recommendations to enhance the shopping experience.

2. User Requirements

- The platform will have two primary user roles: Admin and Customer.

a. Admin Requirements

- Add, update, or delete products in the catalog.
- Manage user accounts and order fulfillment.
- Track inventory and handle stock availability.
- Access sales reports and customer insights.
- Manage promotions, discounts, and loyalty programs.

b. Customer Requirements

- Browse and search for products based on categories, filters, and recommendations.
- Add products to a wishlist or shopping cart.
- Securely place orders with multiple payment options.
- Track order status and delivery progress.
- Provide feedback through product reviews and ratings.

3. Functional Requirements

a. User Authentication & Account Management

- Secure sign-up and login using email, mobile OTP, or social media.
- Profile management for users to save addresses, view order history, and manage preferences.

b. Product Catalog & Search Functionality

- Products categorized under Men, Women, Kids, Ethnic Wear, Western Wear, Accessories, etc.
- Advanced filters based on price, brand, size, fabric, color, and discounts.
- AI-powered recommendations based on browsing history and past purchases.

c. Shopping Cart & Checkout Process

- Users can add, remove, or update items in the cart.
- Secure checkout with multiple payment options (Cards, COD).

d. Order Management

- Admins can view and manage customer orders, including order status and shipping details.
- Customers should receive notifications about their order status.

4. Non-Functional Requirements:

a. Performance & Scalability

- The website should handle high traffic, especially during festive sales.
- Page loading speed should be optimized for low internet connectivity areas.

b. Security & Data Protection

- End-to-end encryption for secure transactions and data privacy.
- Compliance with Indian e-commerce regulations (IT Act, GST, Data Protection Laws).

c. Usability & Accessibility

- The platform should be mobile-friendly and responsive.
- Support for regional languages to cater to diverse customers.

d. Backup & Recovery

- Regular data backups to prevent loss of order and user information.
- Disaster recovery plan for handling unexpected downtimes.

5. Technology Requirements:

- **Frontend:** The website will be built using HTML, CSS, and JavaScript, ensuring it looks good on both desktop and mobile devices.
- **Backend:** The application will use Laravel (PHP framework) for easy maintenance and fast development.

Database: Data will be stored in a MySQL database to manage product and user information efficiently

2.2 Requirement Specification

1. User Roles and Permissions

- The website will have two main user roles:
- **a. Admin Role**
 - Full control over product management, orders, and customer data.
 - Manage categories, inventory, and stock availability.
 - Handle customer queries and returns.
 - Generate reports on sales, user engagement, and trends.
- **b. Customer Role**
 - Browse and search for clothing items based on categories, filters, and preferences.
 - Add products to the cart, wishlist, or directly purchase.
 - Make secure payments and track order status.
 - Provide product reviews and ratings.

2. User Authentication and Security

- Secure **login and registration** using email, Password or social media login.
- Strong **password encryption and secure user data storage**.
- **Role-based access:** Admins have full access, customers have limited access.

3. Product Management

- **Categories:** Men, Women, Kids, Accessories, Ethnic Wear, Western Wear.
- **Filters:** Price, Brand, Size, Fabric, Color, Occasion.

- **Product Details:** High-quality images, zoom-in feature, detailed descriptions, size guide, stock availability.
- **Wishlist Feature:** Save favorite items for later purchase.

4. Shopping Cart and Checkout Process

- Add/remove/update items in the cart.
- Apply discount codes and promotional offers.
- Secure checkout with multiple payment options: **Cards, COD.**
- Auto-save addresses for faster checkout.

5. Customer Support and Feedback

- **Customer reviews and ratings** on each product for transparency.
- **Feedback system** for continuous website improvement.

6. Performance and Scalability

- Websites should **handle high traffic** (festive seasons, sales).
- Optimized **loading speed** for smooth browsing.
- Support for **mobile and desktop versions**.
- **Scalable architecture** to accommodate future growth.

7. Security and Compliance

- **SSL encryption** for secure transactions.
- Compliance with **Indian e-commerce laws** (GST, IT Act, Data Protection Laws).
- **Fraud prevention mechanisms** for payment security.
- Regular **data backups** and disaster recovery plans.

8. Technology Stack

- The website will be built using HTML, CSS, and JavaScript for the frontend, and Laravel (PHP framework) for the backend.
- The server hosting the website should support PHP and MySQL and have enough resources for smooth performance.

2.3 Targeted User

1. Shoppers:

- **Everyday Buyers:** People looking to buy clothes for daily wear, like t-shirts, jeans, or dresses.
- **Special Occasion Shoppers:** Individuals searching for outfits for events like weddings, parties, or holidays.
- **Gift Buyers:** People looking for clothing items to give as gifts to friends or family.

2. Fashion Enthusiasts:

- **Trend Seekers:** Individuals who love to keep up with the latest fashion trends and want unique or stylish pieces.
- **Style Influencers:** People who enjoy sharing their fashion choices on social media and are looking for standout items.

3. Local Residents:

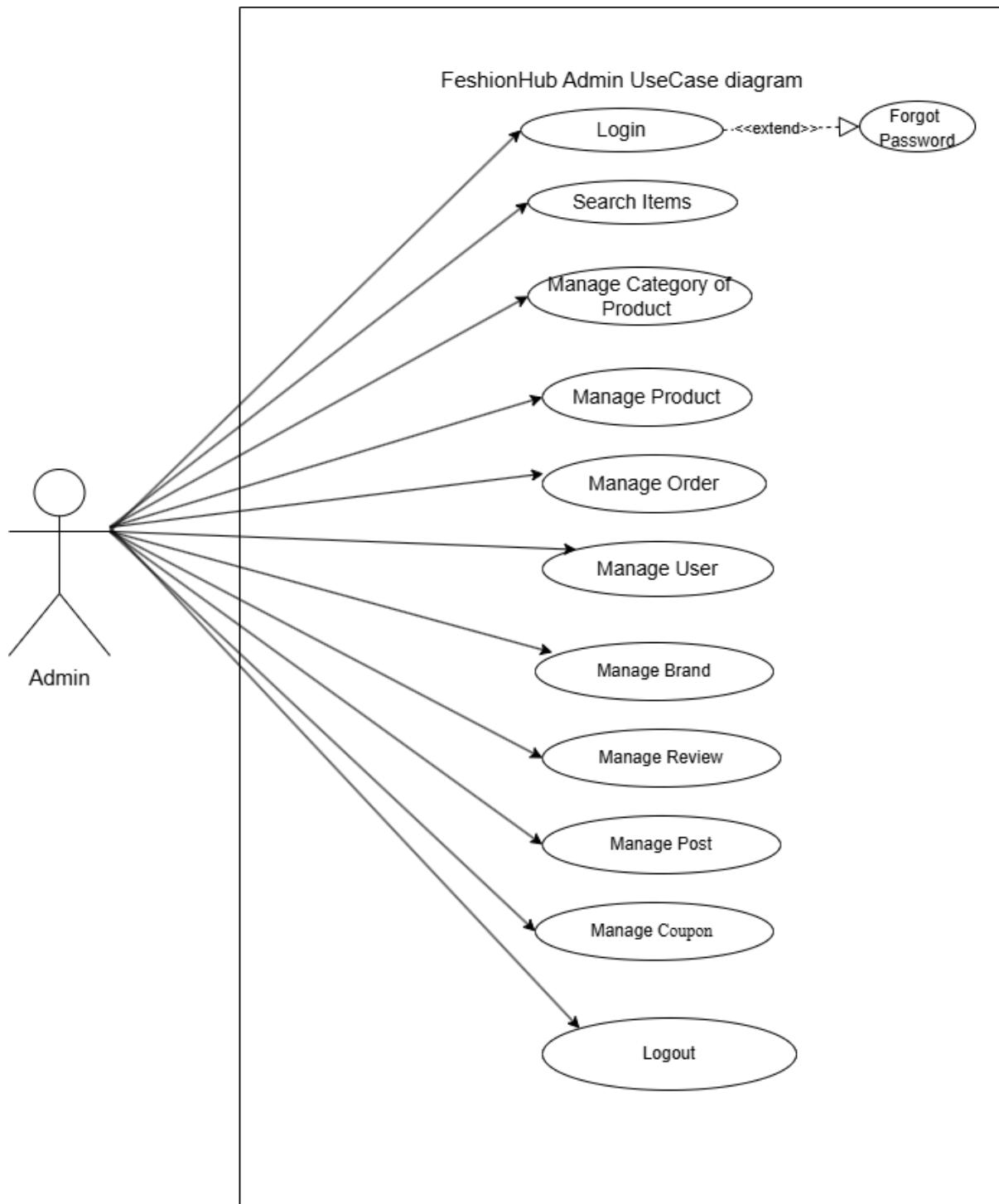
- **Community Shoppers:** People living in the area who prefer to support local businesses. They are interested in finding clothing that reflects local culture and style.
- **Eco-Conscious Shoppers:** Individuals who prioritize sustainable and ethically made clothing. They may be looking for local brands that align with their values.

4. Visitors:

- **Tourists:** People visiting the area who want to buy local clothing as souvenirs or unique items that represent the local culture. They may be interested in items that are not available in their home towns.
- **Business Travelers:** Professionals visiting the area for work who may need to purchase clothing for meetings or events.

3.1 Use Case Diagram

Admin



User



3.2. Data Dictionary

3.2.1 Registration Table

Field Name	Data Type	Field Length	Constraint	Description	Sample data
User_id	Int	4	Primary Key	Auto Increment id	01
Role	Varchar	1	Hidden	Role of user	Admin
Name	Varchar	20	Not null	Login name	Shivam
Mobile_no	int	11	Not null	contact number	9558228161
Email	Varchar	30	Not null	Email Id To validate user	Shivam004@gmail.com
Password	Varchar	8	Not null	password	12345678
Confirm Password	Varchar	8	Not null	password	12345678

13.2.2 Product Category Table

Field Name	Data Type	Field Length	Constraint	Description	Sample data
Category_id	Int	4	Primary Key	Auto Increment id	01
Category_name	Varchar	20	Not null	Name of Category	Men
Image	Varchar	30	Not null	Validate Item To User	/storage/photos/1/Products/405b7-pmtk004t.jpg

13.2.3 Product Table

Field Name	Data Type	Field Length	Constraint	Description	Sample data
Product_id	Int	4	Primary Key	Auto Increment id	01
Category_id	Int	4	Foreign key	Referencing Category table	05
Product_name	Varchar	10	Not null	Product Name	denim jacket
Image	Varchar	30	Not null	Image of item	/storage/photos/1/Products/405b7-pmtk004t.jpg
Stock	Int	4	Notnull	Product Stock	2000
Size	Varchar	4	Not null	Size of jacket	x,m,l.
Price	Int	4	Not null	Price of the product	100
Description	Varchar	50	Not null	Description of item	Premium denim.

13.2.4 Wishlist Table

Field Name	Data Type	Field Length	Constraint	Description	Sample data
Wishlist_id	Int	4	Primary Key	Auto Increment id	01
User_id	Int	4	Foreign key	Referencing User table	01
Product_id	Int	4	Foreign Key	Referencing Product table	01

13.2.5 Cart Table

Field Name	Data Type	Field Length	Constraint	Description	Sample data
Cart_id	Int	4	Primary Key	Auto Increment id	01
User_id	Int	4	Foreign key	Referencing User table	01
Product_id	Int	4	Foreign Key	Referencing Product table	01
Quantity	Int	2	Not null	Quantity	2
TotalPrice	Int	5	Not null	Price	100

13.2.6 Order Table

Field Name	Data Type	Field Length	Constraint	Description	Sample data
Order_id	Int	4	Primary Key	Auto Increment id	21
User_id	Int	4	Foreign key	Referencing User table	01
Cart_id	Int	4	Foreign Key	Referencing Cart table	01
Address	Varchar	70	Not null	Delivery address	756, k.k.nagar pvt.lmt
Order_date	date	N/A	Not null	Order date	2024-04-10
Payment_Mode	Varchar	4	COD/Cards	Method of payment	Cash On delivery
Payment_Status	Bool	2	Not null	Status	Payment success
Status	Bool	2	Not null	Status	Delivered

13.2.6 Feedback Table

Field Name	Data Type	Field Length	Constraint	Description	Sample data
F_id	Int	4	Primary Key	Auto Increment id	21
User_id	Int	4	Foreign key	Referencing User table	01
Product_id	Int	4	Foreign Key	Referencing Product table	01
Rating	Varchar	70	Not null	Rating in 0 to 5	5
Feedback	Varchar	150	Not null	Give feedback about product	Best product

4.1 Coding Standard

4.1.1 General Best Practices

Follow Consistent Naming Conventions

- Use camelCase for variables/functions (getUser Data()).
- Use PascalCase for components/classes (UserDashboard).
- Use snake_case for database table/column names (user_orders).
- Use UPPER_CASE for constants (JWT_SECRET).

Use Meaningful Names

- Bad: let a = getData();
- Good: let userDetails = getUserData();

Organize Code into Modules

- Separate logic into reusable modules (e.g., Authenticate.php, user.php).
- Keep routes, controllers, and models in separate folders.

4.1.1.2 Backend (laravel/php),javascript,,MySql)

14.1.1.2.1 Folder Structure

/backend

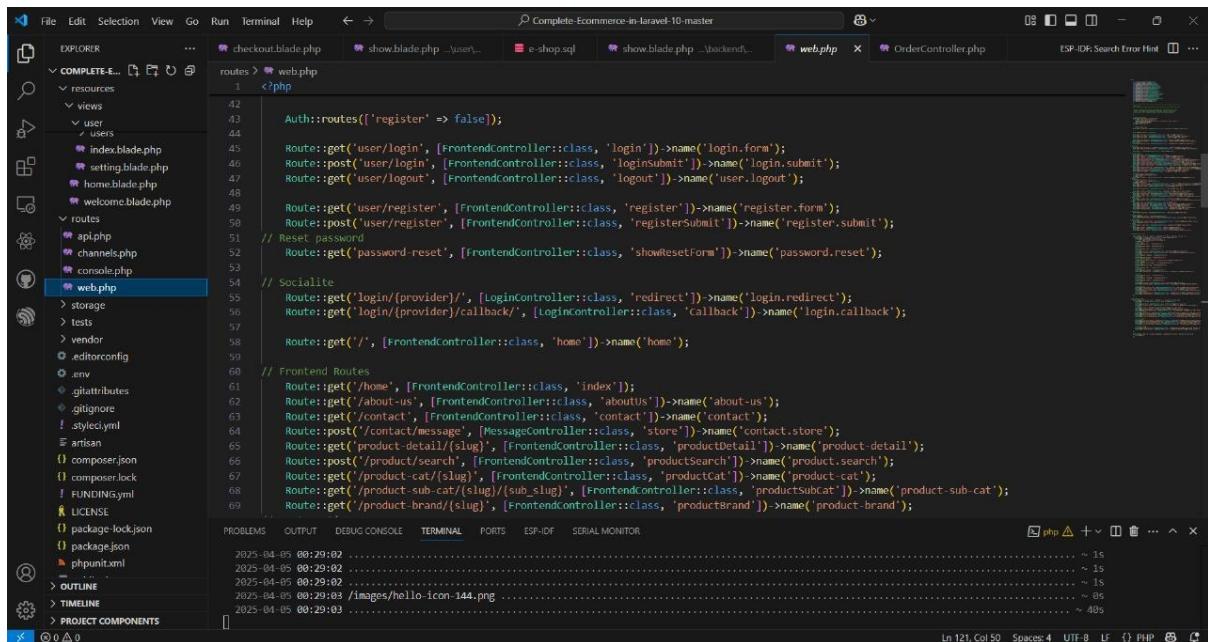
```
| — /config      # Database & app configuration  
| — /controllers # Business logic (e.g., UsersController.php)  
| — /middleware  # Middleware (e.g. Authenticate.php)
```

```

| — /models    # Database models (e.g., User.php)
| — /routes    # API routes (e.g., api.php)
| — /utils     # Helper functions (e.g., sendEmail.php)
| — index.js   # Main server file

```

Navigation of pages:



```

File Edit Selection View Go Run Terminal Help ← → ⌘ Complete-E... routes web.php routes > web.php
1 <?php
42
43     Auth::routes(['register' => false]);
44
45     Route::get('user/login', [FrontendController::class, 'login'])->name('login.form');
46     Route::post('user/login', [FrontendController::class, 'LoginSubmit'])->name('login.submit');
47     Route::get('user/logout', [FrontendController::class, 'Logout'])->name('user.logout');
48
49     Route::get('user/register', [FrontendController::class, 'register'])->name('register.form');
50     Route::post('user/register', [FrontendController::class, 'registerSubmit'])->name('register.submit');
51 // Reset password
52     Route::get('password/reset', [FrontendController::class, 'showResetForm'])->name('password.reset');
53
54 // Socialite
55     Route::get('login/{provider}', [LoginController::class, 'redirect'])->name('login.redirect');
56     Route::get('{provider}/callback', [LoginController::class, 'Callback'])->name('login.callback');
57
58     Route::get('/', [FrontendController::class, 'home'])->name('home');
59
60 // Frontend Routes
61     Router::get('/home', [FrontendController::class, 'index']);
62     Router::get('/about-us', [FrontendController::class, 'aboutUs'])->name('about-us');
63     Router::get('/contact', [FrontendController::class, 'contact'])->name('contact');
64     Router::post('/contact/message', [MessageController::class, 'store'])->name('contact.store');
65     Router::get('product-detail/{slug}', [FrontendController::class, 'productDetail'])->name('product.detail');
66     Router::get('/product/search', [FrontendController::class, 'productSearch'])->name('product.search');
67     Router::get('/product-cat/{slug}', [FrontendController::class, 'productCat'])->name('product.cat');
68     Router::get('/product-sub-cat/{sub_slug}', [FrontendController::class, 'productsSubCat'])->name('product.sub-cat');
69     Router::get('/product-brand/{slug}', [FrontendController::class, 'productBrand'])->name('product.brand');

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS ESD-ID SERIAL MONITOR
2023-04-05 00:29:02 ..... ~ 15
2023-04-05 00:29:02 ..... ~ 15
2023-04-05 00:29:02 ..... ~ 16
2023-04-05 00:29:09 /Images/hello-icon-344.png ..... ~ 06
2023-04-05 00:29:03 ..... ~ 40s
Ln 121, Col 50 Spaces: 4 UTF-8 LF {} PHP ⚡

```

4.1.1.2.2 API Best Practices

Use RESTful API Naming

- GET /api/users → Fetch all users
- GET /api/users/:id → Fetch user by ID

- POST /api/users → Create a user
 - PUT /api/users/:id → Update user
 - DELETE /api/users/:id → Delete user
- Use HTTP Status Codes Properly
- 200 OK → Successful request
 - 201 Created → New resource created
 - 400 Bad Request → Invalid input
 - 401 Unauthorized → Authentication required
-
- 403 Forbidden → No permission
 - 404 Not Found → Resource not found
 - 500 Internal Server Error → Server issue

The screenshot shows the VS Code interface with the following details:

- File Explorer:** Shows the project structure for "COMPLETE-E-SHOP".
- Editor:** The ".env" file is open, displaying environment variables for a Laravel application.
- Terminal:** The terminal tab is active, showing command-line history.
- Status Bar:** Shows the current file path as "Complete-E-commerce-in-laravel-10-master", the line number as "Ln 37, Col 12", and the character count as "Spaces: 4, LF: 0, Properties: 0".

```
checkout.blade.php show.blade.php user.blade.php e-shop.sql show.blade.php \backend\... .env OrderController.php
```

```
APP_NAME="E-SHOP"
APP_ENV=local
APP_KEY=base64:YB59qhsIjrsu05QH0TXXTw5l0B6b7RgDTR#P1YFHJF8=
APP_DEBUG=true
LOG_CHANNEL=stack
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=ecommerce_laravel
DB_USERNAME=root
DB_PASSWORD=
BROADCAST_DRIVER=log
CACHE_DRIVER=file
QUEUE_CONNECTION=sync
SESSION_DRIVER=file
SESSION_LIFETIME=120
REDIS_HOST=127.0.0.1
REDIS_PASSWORD=null
REDIS_PORT=6379
MAIL_MAILER=smtplib
MAIL_HOST=smtph.google.com
MAIL_PORT=587
MAIL_USERNAME=vijaykushwahofficial21@gmail.com
MAIL_PASSWORD=mxfqshgcgkpdewns
MAIL_ENCRYPTION=tls
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS ESP-IDF SERIAL MONITOR

2025-04-05 00:29:02 ~ 15
2025-04-05 00:29:02 ~ 15
2025-04-05 00:29:02 ~ 15
2025-04-05 00:29:03 /images/hello-icon-144.png ~ 85
2025-04-05 00:29:03 ~ 405

Validation :

```

ste-Ecommerce-in-laravel-10-master > app > Http > Controllers > Auth > LoginController.php
{
    /**
     */

    public function credentials(Request $request){
        return ['email'=>$request->email,'password'=>$request->password,'status'=>'active','role'=>'admin'];
    }
    public function __construct()
    {
        $this->middleware('guest')->except('logout');
    }

    public function redirect($provider)
    {
        // dd($provider);
        return Socialite::driver($provider)->redirect();
    }

    public function callback($provider)
    {
        $userSocial = Socialite::driver($provider)->stateless()->user();
        $users      = User::where(['email' => $userSocial->getEmail()])->first();
        // dd($users);
        if($users){
            Auth::login($users);
            return redirect('/')->with('success','You are login from '.$provider);
        }else{
            $user = User::create([
                'name'          => $userSocial->getName(),
                'email'         => $userSocial->getEmail(),
                'image'         => $userSocial->getAvatar(),
                'provider_id'   => $userSocial->getId(),
                'provider'      => $provider,
            ]);
            return redirect()->route('home');
        }
    }
}

```

Use Environment Variables (.env)

- Store sensitive info in .env (DB_PASSWORD, JWT_SECRET).
- Never hard coded credentials.

4.1.1.3 Frontend (html, CSS, bootstrap)

4.1.1.3.1 Folder Structure:

/frontend

```
| — /src
|   | — /components # Reusable UI components
|   | — /pages      # Screens (e.g., HomePage.php)
|   |   | — index.php # Main component
|   |   | — Redux (userSlice)
|   |   | — index.js  # Entry point
|   | — app.php #
|   | — package.json
```

4.1.1.4 Database Design Standards

```

'redis' => [
    'client' => env('REDIS_CLIENT', 'phpredis'),
    'options' => [
        'cluster' => env('REDIS_CLUSTER', 'redis'),
        'prefix' => env('REDIS_PREFIX', Str::slug(env('APP_NAME', 'laravel'), '_').'_database_'),
    ],
    'default' => [
        'url' => env('REDIS_URL'),
        'host' => env('REDIS_HOST', '127.0.0.1'),
        'password' => env('REDIS_PASSWORD', null),
        'port' => env('REDIS_PORT', '6379'),
        'database' => env('REDIS_DB', '0'),
    ],
    'cache' => [
        'url' => env('REDIS_URL'),
        'host' => env('REDIS_HOST', '127.0.0.1'),
        'password' => env('REDIS_PASSWORD', null),
        'port' => env('REDIS_PORT', '6379'),
        'database' => env('REDIS_CACHE_DB', '1'),
    ],
],
];

```

4.1.1.4.1 Collection Naming Conventions

- Use plural names for collections (e.g., users, orders, payments).
- Use lowercase and snake_case or camelCase (e.g., order_items or orderItems).
- Avoid special characters or spaces.

```

} else{
    $user = User::create([
        'name'          => $userSocial->getName(),
        'email'         => $userSocial->getEmail(),
        'image'         => $userSocial->getAvatar(),
        'provider_id'   => $userSocial->getId(),
        'provider'      => $provider,
    ]);
    return redirect()->route('home');
}

```

4.1.1.4.2 Document Schema Design

- Design documents to be embedded when possible (for one-to-few relationships).
- Use referencing for one-to-many or many-to-many relationships.
- Avoid deeply nested objects (max 3-4 levels deep).

```

{
    "_id": ObjectId("..."),
    "name": "Dhaval",
    "orders": [
        { "orderId": 1, "amount": 100 },
        { "orderId": 2, "amount": 200 }
    ]
}

```

4.1.2 Language Specific

4.1.2.1. Field Naming Conventions :

- Use camelCase for field names (firstName, orderAmount).
- Do not use spaces or special characters.
- Use descriptive field names (createdAt instead of ca).

```
{
  "firstName": "Dhawal",
  "lastName": "Shah",
  "orderAmount": 100,
  "createdAt": "2024-06-23T12:00:00Z"
}
```

4.1.2.2 Indexing Standards :

```

|           "postmark", "log", "array"
|
|/
'mailers' => [
  'smtp' => [
    'transport' => 'smtp',
    'host' => env('MAIL_HOST', 'smtp.mailgun.org'),
    'port' => env('MAIL_PORT', 587),
    'encryption' => env('MAIL_ENCRYPTION', 'tls'),
    'username' => env('MAIL_USERNAME'),
    'password' => env('MAIL_PASSWORD'),
    'timeout' => null,
    'auth_mode' => null,
  ],
  'ses' => [
    ...
  ]
]
```

- Create indexes on frequently queried fields (email, userId).
- Use compound indexes when multiple fields are used in queries.
- Avoid excessive indexing (indexes take up memory).

```
db.users.createIndex({ email: 1 }, { unique: true });
```

```
db.orders.createIndex({ userId: 1, createdAt: -1 });
```

4.1.2.3. Query Optimization :

- Use projections to limit the fields returned in queries.
- Use pagination with .limit() and .skip() for large datasets.
- Avoid using count() on large collections (use estimatedDocumentCount()).

```
db.users.find({ }, { name: 1, email: 1 }); // Projection
```

```
db.orders.find().sort({ createdAt: -1 }).limit(10); // Pagination
```

```
CREATE TABLE `products` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `title` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,
  `slug` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,
  `summary` text COLLATE utf8mb4_unicode_ci NOT NULL,
  `description` longtext COLLATE utf8mb4_unicode_ci DEFAULT NULL,
  `photo` text COLLATE utf8mb4_unicode_ci NOT NULL,
  `stock` int(11) NOT NULL DEFAULT 1,
  `size` varchar(191) COLLATE utf8mb4_unicode_ci DEFAULT 'M',
  `condition` enum('default','new','hot') COLLATE utf8mb4_unicode_ci NOT NULL DEFAULT 'default',
  `status` enum('active','inactive') COLLATE utf8mb4_unicode_ci NOT NULL DEFAULT 'inactive',
  `price` double(8,2) NOT NULL,
  `discount` double(8,2) NOT NULL,
  `is_featured` tinyint(1) NOT NULL,
  `cat_id` bigint(20) UNSIGNED DEFAULT NULL,
  `child_cat_id` bigint(20) UNSIGNED DEFAULT NULL,
  `brand_id` bigint(20) UNSIGNED DEFAULT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

-- Dumping data for table `products`
--
```

4.1.2.4. Data Integrity & Validation

- Use Laravel's built-in validation features to ensure data integrity.
- Define validation rules in the controller methods or use Form Request classes.

```

-- 
CREATE TABLE `products` (
  `id` bigint(20) UNSIGNED NOT NULL,
  `title` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,
  `slug` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,
  `summary` text COLLATE utf8mb4_unicode_ci NOT NULL,
  `description` longtext COLLATE utf8mb4_unicode_ci DEFAULT NULL,
  `photo` text COLLATE utf8mb4_unicode_ci NOT NULL,
  `stock` int(11) NOT NULL DEFAULT 1,
  `size` varchar(191) COLLATE utf8mb4_unicode_ci DEFAULT 'M',
  `status` enum('active','inactive') COLLATE utf8mb4_unicode_ci NOT NULL DEFAULT 'inactive',
  `price` double(8,2) NOT NULL,
  `discount` double(8,2) NOT NULL,
  `is_featured` tinyint(1) NOT NULL,
  `cat_id` bigint(20) UNSIGNED DEFAULT NULL,
  `child_cat_id` bigint(20) UNSIGNED DEFAULT NULL,
  `brand_id` bigint(20) UNSIGNED DEFAULT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;

-- Dumping data for table `products`

```

4.1.2.5.Error handling for unauthorized access and server errors

```

    //Regenerate the storage link folder
    try{
        Artisan::call('storage:link');
        request()->session()->flash('success', 'Successfully storage linked.');
        return redirect()->back();
    }
    catch(\Exception $exception){
        request()->session()->flash('error', $exception->getMessage());
        return redirect()->back();
    }
}
else{
    try{
        Artisan::call('storage:link');
        request()->session()->flash('success', 'Successfully storage linked.');
        return redirect()->back();
    }
    catch(\Exception $exception){
        request()->session()->flash('error', $exception->getMessage());
        return redirect()->back();
    }
}
}

```

4.1.2.6 Security Best Practices

```
public function callback($provider)
{
    $userSocial = Socialite::driver($provider)->stateless()->user();
    $users      = User::where(['email' => $userSocial->getEmail()])->first();
    // dd($users);
    if($users){
        Auth::login($users);
        return redirect('/')->with('success', 'You are login from '.$provider);
    }else{
        $user = User::create([
            'name'          => $userSocial->getName(),
            'email'         => $userSocial->getEmail(),
            'image'         => $userSocial->getAvatar(),
            'provider_id'   => $userSocial->getId(),
            'provider'      => $provider,
        ]);
        return redirect()->route('home');
    }
}
```

- Do not store passwords in plain text. Use Laravel's built-in hashing functions.
 - Use environment variables for credentials (e.g., .env file).
 - Enable role-based access control (RBAC) for user permissions.
- Validate and sanitize user inputs to prevent M0079SQL injection

4.2. Screen Shots

User Dashboard

Home About Us **Products** NEW Category ▾ Blog Contact Us

REGISTER

Please register in order to checkout more quickly

Your Name *

Your Email *

Your Password *

Confirm Password *

REGISTER

LOGIN

OR

f

o

g*

Figure 4.2.1: Registration page

LOGIN

Please register in  order to checkout more quickly

Your Email *

Your Password *

LOGIN

REGISTER

OR







Remember me [Lost your password?](#)

Figure 4.2.2: Login page

The screenshot shows a login page with a dark header bar containing navigation links: Home, About Us, Products (with a 'NEW' badge), Category, Blog, and Contact Us. Below the header, a breadcrumb trail indicates the current location: Home → Login. The main content area features a large 'LOGIN' heading. A sub-instruction 'Please register in order to checkout more quickly' is displayed below it. A form field for 'Your Email *' contains the text 'vijaykushwahoffician'. An error message in a red box states: 'Please include an '@' in the email address. 'vijaykushwahoffician' is missing an '@'.' Below the form are buttons for 'LOGIN', 'REGISTER', and social media links for Facebook, Google+, and GitHub. At the bottom, there are links for 'Remember me' and 'Lost your password?'

Home → Login

LOGIN

Please register in order to checkout more quickly

Your Email *

vijaykushwahoffician

! Please include an '@' in the email address. 'vijaykushwahoffician' is missing an '@'.

LOGIN **REGISTER** OR [**f**](#) [**g+**](#) [**gh**](#)

Remember me [Lost your password?](#)

Figure 4.2.3: Login Authentication

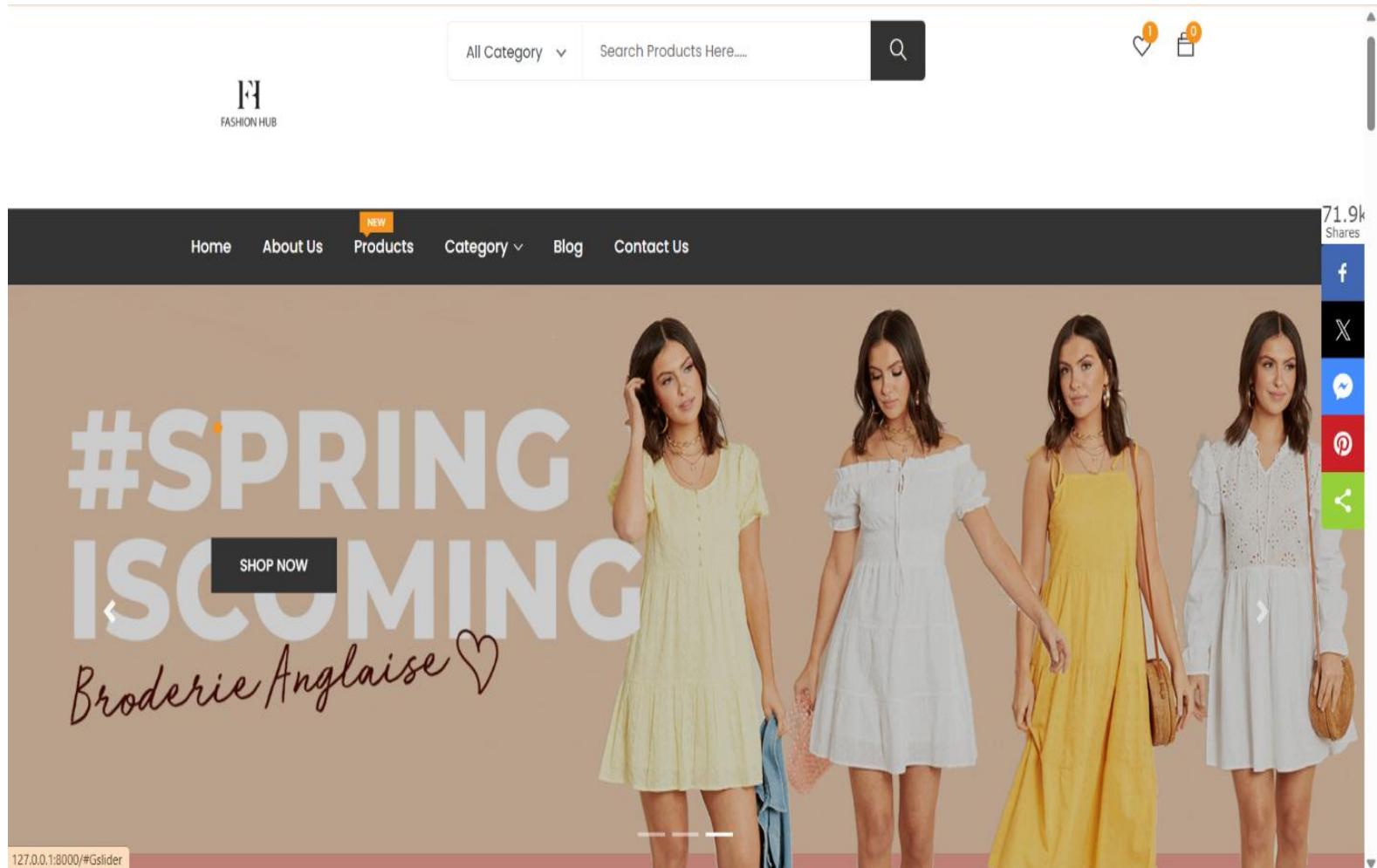


Figure 4.2.4: Home Page

Trending Item



HOT

[ADD TO CART](#)

MEN'S FASHION

◎ ❤



NEW

OVERSIZED FIT

PREMIUM HEAVY GAUGE FABRIC

WOMEN'S FASHION

KID'S



HOT

Nagato (Pain) Almighty Push

Sweatshirt

₹764.15 ₹899.00

Young Sasuke Kunai Attack Tee

₹703.12 ₹799.00

Naruto & Sasuke Final Form Long Sleeve T-Shirt
₹667.92 ₹750.00

Naruto Shippuden Group Oversized Tee For Girls
₹439.12 ₹499.00

Young Sasuke Kunai Attack Tee
₹703.12 ₹799.00

71.9k
Shares

Figure 4.2.5: Trending items

Hot Item



Naruto & Sasuke Final Form Long
Sleeve T-Shirt

₹759.00 ₹667.92

Naruto Shippuden Group Oversized
Tee For Girls

₹499.00 ₹439.12

Nagato (Pain) Almighty Push
Sweatshirt

₹899.00 ₹764.15

Elegant Party Dress for Girls –
Princess-Inspired Look

₹520.00 ₹494.00

71.9k
Shares



Figure 4.2.6: Hot items



Latest Items



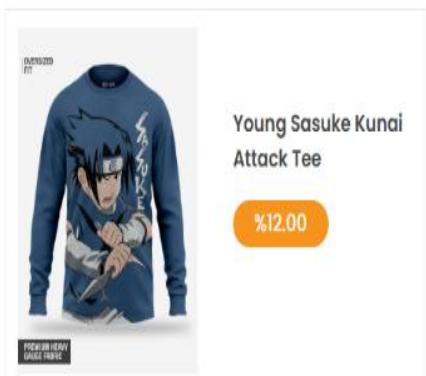
Naruto & Sasuke Final
Form Long Sleeve T-
Shirt

%12.00



Naruto Shippuden
Group Oversized Tee
For Girls

%12.00



Young Sasuke Kunai
Attack Tee

%12.00



Nagato (Pain)
Almighty Push
Sweatshirt

%15.00



Elegant Party Dress
for Girls – Princess-
Inspired Look

%5.00



Cool Streetwear Set
for Boys – Casual
Everyday Fashion

%5.00

Figure 4.2.7: Latest items

The screenshot shows a website interface for a fashion store. At the top, there is a navigation bar with links for Home, About Us, Products (which has a 'NEW' badge), Category (selected), Blog, and Contact Us. On the left, there is a sidebar with sections for Categories (Kid's, Men's Fashion, Jeans Pants, Sweater & Jackets, Rain Coats & Trenches, Women's Fashion) and Shop By Price (with a range from 0 to 2499 and a Filter button). The main content area displays two products: a Men's Stylish Winter Jacket and a Men's Puffer Jacket. The first product is shown with a dark brown jacket, a price of ₹2,499.00, and a 'BUY NOW!' button. A description below it says 'Trendy and warm men's winter jacket with modern cut.' The second product is shown with a green puffer jacket, a price of ₹1,576.17, and a 'BUY NOW!' button. A description below it says 'Lightweight puffer jacket ideal for cold seasons.' The background features a light gray color with some subtle patterns.

Figure 4.2.8: Category page

Home About Us **Products** Category ▾ Blog Contact Us

Categories

- Kid's
- Men's Fashion
 - Jeans Pants
 - Sweater & Jackets
 - Rain Coats & Trenches
- Women's Fashion

Show: Default ▾ Sort By: Default ▾

Filter

Range:
0 - 2499

The product page features a sidebar with categories like Kid's, Men's Fashion (Jeans Pants, Sweater & Jackets, Rain Coats & Trenches), and Women's Fashion. It includes a 'Shop By Price' section with a slider from 0 to 2499 and a 'Filter' button. The main area shows three products: a man in a beige shirt and dark pants (10% off), a man in a blue shirt and white pants (4% off), and a woman in a white top and plaid skirt with a white purse (20% off). Each card includes the product name, original price, and discounted price.

Product	Original Price	Discounted Price
Melange Casual Black	₹540.00	₹600.00
White Sports Casual T-	₹384.00	₹400.00
2-piece set	₹399.20	₹499.00

Figure 4.2.9: Product page

Naruto Shippuden Group Oversized Tee For Girls

☆☆☆☆☆ (0) Review

₹439.12 ₹499.00

Oversized black T-shirt with a vibrant back print featuring the main Naruto Shippuden characters.

Size

S M L XL

Quantity : **Add To Cart** Heart

Category : Women's Fashion

Stock : **12**

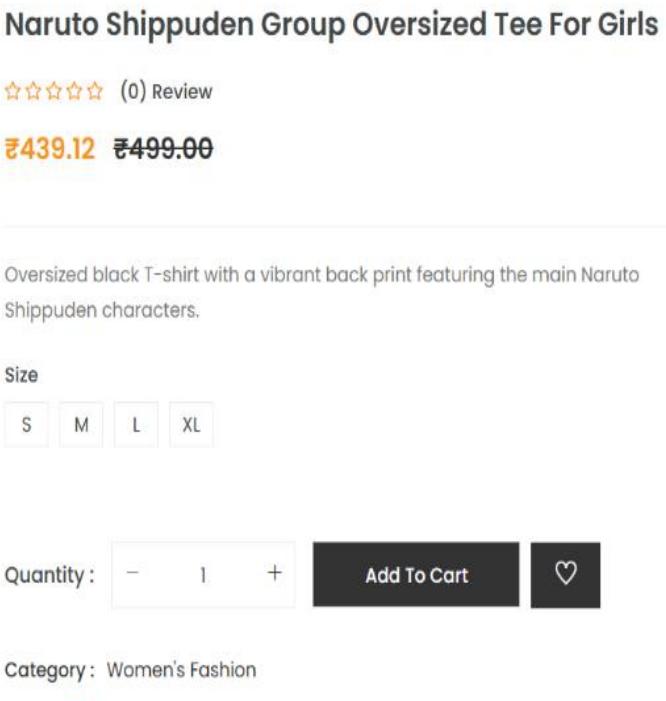


Figure 4.2.10: Product Details Page



The screenshot shows a product page for a black T-shirt. At the top, there is a navigation bar with links: Home, About Us, Products (which has a small orange 'NEW' badge), Category ▾, Blog, and Contact Us. Below the navigation bar is a product image of a person wearing the T-shirt, which features a colorful group print of characters from the anime Naruto Shippuden. To the right of the image, the text 'Category: Women's Fashion' and 'Stock: 12' is displayed. Below the image, there are two tabs: 'Description' (which is highlighted in orange) and 'Reviews'. The 'Description' tab contains the following bullet points:

- **Fabric:** 100% Combed Cotton
- **Size Options:** S to XL (relaxed fit)
- **Wear Type:** Oversized unisex T-shirt
- **Design Highlights:**
 - Colorful group print including Naruto, Sasuke, Sakura, Kakashi, and others
 - Large "Naruto Shippuden" logo on the top
- **Characters:** Ensemble cast – Naruto Uzumaki, Sasuke Uchiha, Sakura Haruno, Kakashi Hatake, and more
- **Franchise:** *Naruto Shippuden*

Figure 4.2.11: Product Description

Related Products



Vintage Mustard Yellow Sleeveless
Dress

₹999.00 ₹799.20



Casual White Knit Sweater for
Women

₹459.00 ₹380.97



Floral V-Neck Wrap Dress – Navy
Blue

₹799.00 ₹679.15

127.0.0.1:8000/product-detail/casual-white-knit-sweater-for-women

Figure 4.2.12: Related Product

The screenshot shows the 'Wishlist' page of a website. At the top, there is a navigation bar with links for Home, About Us, Products (which has a 'NEW' badge), Category, Blog, and Contact Us. Below the navigation is a search bar with 'All Category' dropdown, a search input field, and a magnifying glass icon. To the right of the search bar are icons for a heart (with a '2' notification) and a shopping cart (with a '0' notification).

The main content area displays a table for the wishlist items:

PRODUCT	NAME	TOTAL	ADD TO CART	
	White Sports Casual T-	₹384	ADD TO CART	
	Naruto Shippuden Group Oversized Tee For Girls	₹439.12	ADD TO CART	

Figure 4.2.13: Wishlist Page

Home About Us **Products** NEW Category ▾ Blog Contact Us

PRODUCT	NAME	UNIT PRICE	QUANTITY	TOTAL	
	White Sports Casual T-	₹384.00	<input type="button" value="-"/> 1 <input type="button" value="+"/>	₹384	
	Young Sasuke Kunai Attack Tee	₹703.12	<input type="button" value="-"/> 1 <input type="button" value="+"/>	₹703.12	
<input style="background-color: black; color: white; padding: 5px 10px; border: none;" type="button" value="UPDATE"/>					
<input style="width: 100%; height: 30px; border: 1px solid #ccc; margin-bottom: 5px;" type="text" value="Enter Your Coupon"/> APPLY			Cart Subtotal ₹1,087.12 You Pay ₹1,087.12 <input style="background-color: black; color: white; padding: 5px 10px; border: none;" type="button" value="CHECKOUT"/>		

Figure 15.1.14 Cart Page

Home → Checkout

Make Your Checkout Here

Please register in order to checkout more quickly

First Name *

vijay

Last Name *

Kushwaha

Email Address *

vijaykushwaha86885@gmail.com

Phone Number *

09558228161

Country *

India

India

Address Line 1 *

MIG 359 kendriya karmachari nagar socity ne

Address Line 2

MIG 359 kendriya karmachari nagar socity ne

Postal Code

380061

CART TOTALS

Cart Subtotal ₹2,000.00

Shipping Cost

Select your address ▾

Total ₹2,000.00

PAYMENTS

Cash On Delivery

PayPal



PROCEED TO CHECKOUT

Figure 4.2.15.1: Checkout Page

Home About Us Products NEW Category ▾ Blog Contact Us

Please register in order to checkout more quickly

First Name *	Last Name *	Cart Subtotal	₹1,087.12
vijay	Kushwaha	Shipping Cost	India: ₹50.00 ▾
Email Address *	Phone Number *	Total	₹1137.12
vijaykushwaha86885@gmail.com	09558228161	PAYMENTS	
Country *	Address Line 1 *	<input type="radio"/> Cash On Delivery <input checked="" type="radio"/> Card Payment Card Number: 424242 Name on Card: user test Expiration Date: 12/34 CVV: 123	
India	MIG 359 kendriya karmachari nagar socity ne	   	
Address Line 2	Postal Code	PROCEED TO CHECKOUT	
MIG 359 kendriya karmachari nagar socity ne	380061		

Figure 4.2.15.2: Checkout Page

The screenshot shows the User Dashboard page of a web application. At the top, there is a navigation bar with a search bar containing "Search for..." and a magnifying glass icon. To the right of the search bar are icons for a house and a user profile labeled "vijay-user". On the left, a sidebar menu lists "USER", "Dashboard", "SHOP", "Orders", "Reviews", "POSTS", and "Comments". The main content area is titled "Dashboard" and displays a table of orders. The table has columns for S.N., Order No., Name, Email, Quantity, Total Amount, Status, and Action. There are two rows of data in the table.

S.N.	Order No.	Name	Email	Quantity	Total Amount	Status	Action
12	ORD-XJHI7DH6J0	vijay Kushwaha	vijaykushwaha86885@gmail.com	2	₹3,748.00	delivered	
24	ORD-FGQIKXD9IL	vijay Kushwaha	vijaykushwahofficial21@gmail.com	3	₹1,936.12	new	

Figure 4.2.16: User Dashboard page

The screenshot shows the 'Profile' section of the 'User' dashboard in the 'Fashion Hub' application. The left sidebar contains navigation links for Dashboard, SHOP, Orders, Reviews, Posts, and Comments. The main content area has a search bar at the top. The 'Profile' section displays a placeholder profile picture of a forest path, the user's name 'vijay-user', email 'vijaykushwahofficial21@gmail.com', and role 'user'. On the right, there are edit fields for Name ('vijay-user'), Email ('vijaykushwahofficial21@gmail.com'), Photo (with a 'Choose' button), and Role ('User'). A green 'Update' button is located at the bottom right of the edit form.

Figure 4.2.17: User profile page

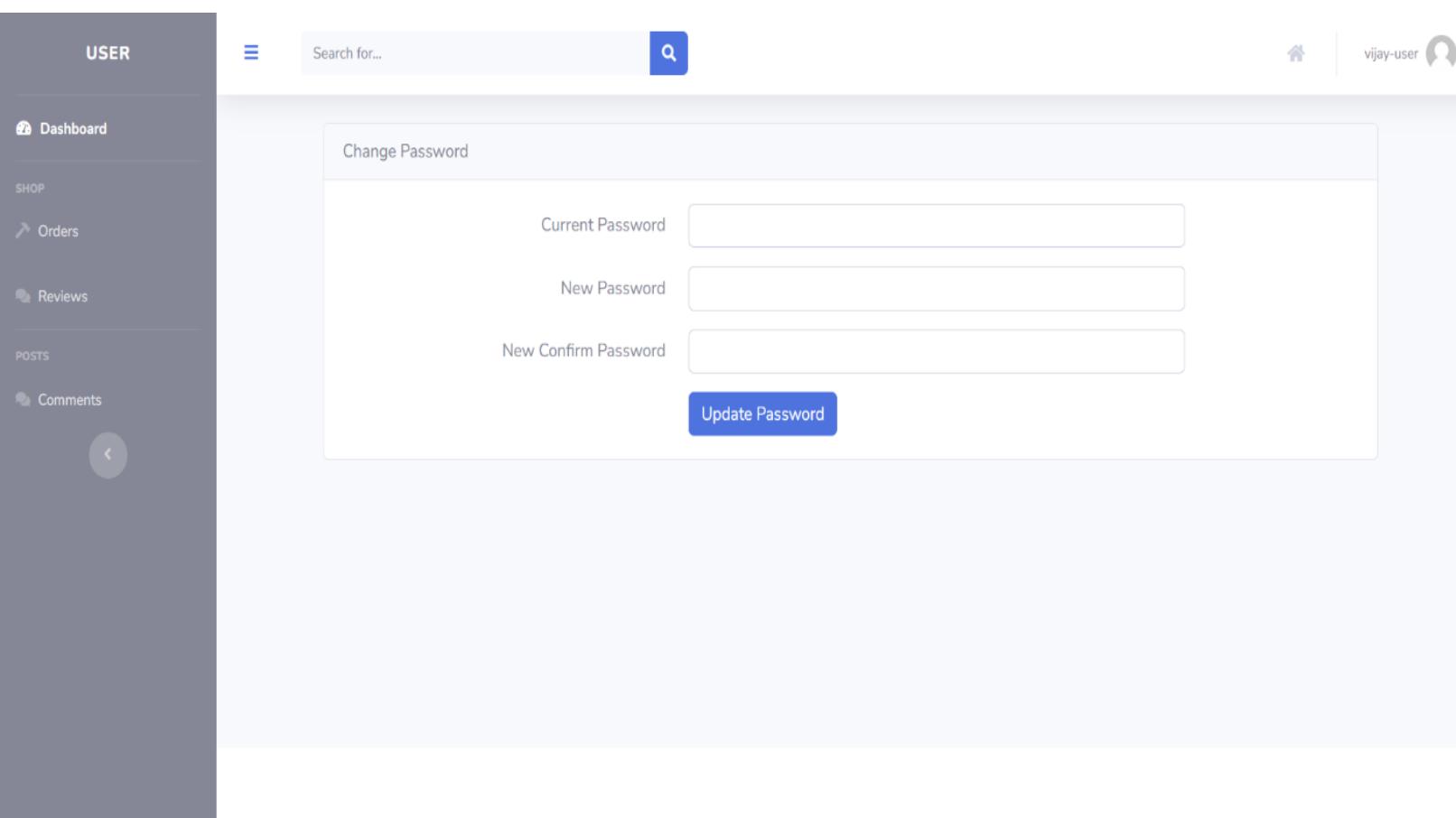


Figure 4.2.18: change password page

Order Lists									
S.N.	Order No.	Name	Email	Quantity	Charge	Total Amount	Status	Action	
12	ORD-XJHI7DH6J0	vijay Kushwaha	vijaykushwaha86885@gmail.com	2	₹50.00	₹3,748.00	delivered	 	
24	ORD-FGQIKXD9IL	vijay Kushwaha	vijaykushwahofficial21@gmail.com	3	₹50.00	₹1,936.12	new	 	
S.N.	Order No.	Name	Email	Quantity	Charge	Total Amount	Status	Action	

Showing 1 to 2 of 2 entries

Figure 4.2.19: Order page

The screenshot shows the 'Order' section of the Fashion Hub website. On the left, a sidebar menu includes 'Dashboard', 'SHOP', 'Orders', 'Reviews', 'POSTS', and 'Comments'. The main content area has a header 'Order' with a 'Generate PDF' button. Below is a table with columns: S.N., Order No., Name, Email, Quantity, Charge, Total Amount, Status, and Action. A single row is shown for Order No. ORD-XJHI7DH6J0, belonging to user vijay Kushwaha with email vijaykushwaha86885@gmail.com, quantity 2, charge ₹50.00, total amount ₹3,748.00, status 'delivered', and a red circular icon.

S.N.	Order No.	Name	Email	Quantity	Charge	Total Amount	Status	Action
12	ORD-XJHI7DH6J0	vijay Kushwaha	vijaykushwaha86885@gmail.com	2	₹50.00	₹3,748.00	delivered	

ORDER INFORMATION

Order Number	: ORD-XJHI7DH6J0
Order Date	: Thu 27 Mar, 2025 at 8:58 am
Quantity	: 2
Order Status	: delivered
Shipping Charge	: ₹50.00
Total Amount	: ₹ 3,748.00
Payment Method	: Cash on Delivery
Payment Status	: unpaid

SHIPPING INFORMATION

Full Name	: vijay Kushwaha
Email	: vijaykushwaha86885@gmail.com
Phone No.	: 09558228161
Address	: MIG 359 kendriya karmachari nagar socity near Rann, MIG 359 kendriya karmachari nagar socity near Rann
Country	: IN
Post Code	: 380061

Figure 4.2.20: Order Details Page

The screenshot shows the 'Review Lists' page within the 'USER' section of the 'Fashion Hub' application. The left sidebar includes links for Dashboard, Orders, Reviews, Posts, and Comments. The main area features a search bar and a table displaying two review entries.

S.N.	Review By	Product Title	Review	Rate	Date	Status	Action
3	vijay-user	White Sports Casual T-	good	★★★★★	Feb 10 Mon, 2025 7:30 am	active	
4	vijay-user	Melange Casual Black	good review	★★★★★	Mar 27 Thu, 2025 8:51 am	active	

Showing 1 to 2 of 2 entries

Figure 4.2.21: Review page

Home About Us **Products** NEW Category ▾ Blog Contact Us

Home → About Us

Welcome To Eshop

Except where prevented by circumstances beyond control, responsibility falls upon those who act, even when unintended consequences arise. Yet, from a different perspective, fault remains with those who perform duties yet cause harm. From the origins of all things, errors emerge, and the truth may be obscured. Nevertheless, accountability persists, bound by actions taken and their unforeseen effects.

[OUR BLOG](#) [CONTACT US](#)



Figure 4.2.22: About us page

Home About Us **Products** NEW Category ▾ **Blog** Contact Us



Search Here...

Blog Categories

- Post Category
- enjoy
- Cloths
- Electronics
- Travel

Recent Post



Lorem Ipsum is simply
18 Aug, 2020. Tue Anonymous
 Lorem Ipsum is simply dummy text of the printing and typesetting industry.
[Continue Reading](#)

The standard Lorem Ipsum passage,
15 Aug, 2020. Sat Anonymous
"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,

Lorem Ipsum is simply
18 Aug, 2020. Tue Anonymous

Figure 4.2.23: Blog page

The screenshot shows the contact page of a website. At the top, there is a navigation bar with links: Home, About Us, Products (with a small 'NEW' badge), Category, Blog, and Contact Us. The Contact Us link is highlighted with an orange background. Below the navigation bar, the main content area has a light gray background. On the left, there is a form titled "Get in touch" with the heading "Write Us A Message". The form fields include: "Your Name *", "Your Subjects *", "Your Email *", "Your Phone *", and a large "your message *". Each field has a placeholder text: "Enter your name", "Enter Subject", "Enter email address", "Enter your phone", and "Enter Message". At the bottom of the form is a dark blue button labeled "SEND MESSAGE". To the right of the form, there are three contact options: a phone icon with the text "Call us Now: +919558228161", an envelope icon with the text "Email: fashionhub@gmail.com", and a location pin icon with the text "Our Address: NO. 56 - SG Highway, Ahmedabad, 380015 Gujarat, India".

Get in touch

Write Us A Message

Your Name *

Enter your name

Your Subjects *

Enter Subject

Your Email *

Enter email address

Your Phone *

Enter your phone

your message *

Enter Message

SEND MESSAGE

Call us Now:
+919558228161

Email:
fashionhub@gmail.com

Our Address:
NO. 56 - SG Highway, Ahmedabad,
380015 Gujarat, India

Figure 4.2.24: Contact-us page

4.2.25: Admin side

The screenshot shows the Admin Dashboard page for a platform named 'Fashion Hub'. The top navigation bar includes 'Storage Link' and 'Cache Clear' buttons. The dashboard header features a user profile for 'vijay kushwaha Rajendr' with a notification count of 3. On the left, a sidebar lists categories like Dashboard, BANNER, Media Manager, Banners, SHOP, Category, Products, Brands, Shipping, Orders, Reviews, and POSTS. The main content area displays four key metrics: 6 categories, 19 products, 7 orders, and 5 posts. Below these are two panels: 'Earnings Overview' showing a flat line chart from January to November at \$0, and 'Users' showing 'Last 7 Days registered user' with 'No data'.

Metric	Value
CATEGORY	6
PRODUCTS	19
ORDER	7
POST	5

Earnings Overview

January March May July September November

Users

Last 7 Days registered user

No data

Figure 4.2.26: Admin Dashboard page

BANNER

Media Manager

Show 10 entries Search:

	S.N.	Title	Slug	Photo	Status	Action
SHOP	1	Lorem Ipsum is	lorem-ipsum-is		active	 
Category	4	Banner	banner		active	 
Products	5	.	fashion-clothing-women		active	 
Brands	7	winter sale	winter-sale		active	 
Shipping	8	casual	casual		inactive	 
Orders	9	Men's	mens		active	 
Reviews	10	Sale	sale		inactive	 
	S.N.	Title	Slug	Photo	Status	Action

Showing 1 to 7 of 7 entries

Figure 4.2.27 : Banner page

ADMIN Storage Link Cache Clear

Dashboard

BANNER

Media Manager

Banners

SHOP

Category

Products

Brands

Shipping

Orders

Reviews

POSTS

Posts

Add Banner

Title *

Enter title

Description

Write short description.....

Photo *

Choose

Status *

Active

abc

Reset Submit

This screenshot shows the 'Add Banner' page within a CMS application. The left sidebar contains navigation links for Dashboard, BANNER, Media Manager, Banners, SHOP, Category, Products, Brands, Shipping, Orders, Reviews, POSTS, Posts, and Groups. The main content area has tabs for 'Storage Link' and 'Cache Clear'. The 'Add Banner' form includes fields for 'Title' (with a required asterisk), 'Description' (with a placeholder 'Write short description.....'), 'Photo' (with a 'Choose' button and a preview placeholder showing 'abc'), and 'Status' (set to 'Active'). At the bottom are 'Reset' and 'Submit' buttons.

Figure 4.2.28: Add Banner Page

ADMIN

Storage Link **Cache Clear**

Dashboard **BANNER** **Media Manager**

Banners **SHOP** **Category** **Products** **Brands** **Shipping** **Orders** **Reviews**

Posts **Posts**

Category Lists **+ Add Category**

Show 10 entries Search:

S.N.	Title	Slug	Is Parent	Parent Category	Photo	Status	Action
1	Men's Fashion	mens-fashion	Yes			active	
2	Women's Fashion	womens-fashion	Yes			active	
3	Kid's	kids	Yes			active	
5	Jeans pants	jeans-pants	No	Men's Fashion		active	
6	Sweater & Jackets	sweater-jackets	No	Men's Fashion		active	
7	Rain Coats & Trenches	rain-coats-trenches	No	Men's Fashion		active	

Figure 4.2.29 : Category Page

Dashboard

BANNER

Media Manager

Banners

SHOP

Category

Products

Brands

Shipping

Orders

Reviews

POSTS

Posts

Category

Add Category

Title *

Summary

Write short description.....

Is Parent

Yes

Photo

[Choose](#)

Status *

Active

[Reset](#) [Submit](#)

Figure 4.2.30: Add Category Page

ADMIN

- Dashboard
- BANNER
- Media Manager
- Banners
- SHOP
- Category
- Products
- Brands
- Shipping
- Orders
- Reviews
- POSTS
- Posts

☰ Storage Link Cache Clear

Product Lists + Add Product

S.N.	Title	Category	Is Featured	Price	Discount	Size	Condition	Brand	Stock	Photo	Status	Action
31	Naruto & Sasuke Final Form Long Sleeve T-Shirt	Men's Fashion	Yes	Rs. 759/-	12% OFF	S,M	hot		45		active	<input checked="" type="checkbox"/> <input type="button" value="Delete"/>
30	Naruto Shippuden Group Oversized Tee For Girls	Women's Fashion	Yes	Rs. 499/-	12% OFF	S,M,L,XL	hot		12		active	<input checked="" type="checkbox"/> <input type="button" value="Delete"/>
29	Young Sasuke Kunai Attack Tee	Men's Fashion	Yes	Rs. 799/-	12% OFF	S,M,L	new		12		active	<input checked="" type="checkbox"/> <input type="button" value="Delete"/>
28	Nagato (Pain) Almighty Push Sweatshirt	Men's Fashion Sweater & Jackets	Yes	Rs. 899/-	15% OFF	S,M,L,XL	hot		55		active	<input checked="" type="checkbox"/> <input type="button" value="Delete"/>
27	Elegant Party Dress for	Kid's	Yes	Rs.	5% OFF		hot		29		active	<input checked="" type="checkbox"/> <input type="button" value="Delete"/>

Figure 4.2.31 : Product Page

The screenshot shows the 'Add Product' page in the 'Fashion Hub' admin dashboard. The left sidebar contains navigation links for ADMIN, BANNER, SHOP, POSTS, and other sections like Dashboard, Media Manager, Banners, Category, Products, Brands, Shipping, Orders, Reviews, and Posts. The main content area has tabs for 'Add Product', 'Edit Product', and 'List Products'. At the top right are buttons for 'Storage Link' (yellow), 'Cache Clear' (red), and user notifications (3 messages, 0 emails). The 'Add Product' tab is selected, showing fields for 'Title *' (with placeholder 'Enter title'), 'Summary *' (with rich text editor and placeholder 'Write short description....'), and 'Description' (with rich text editor and placeholder 'Write detail description....'). The top right also shows the user 'vijay kushwaha Rajendr' with a profile icon.

Figure 4.2.32: Add Product Page

ADMIN						vijay kushwaha Rajendr		
Order Lists								
Show 10 entries								
Search:								
S.N.	Order No.	Name	Email	Quantity	Charge	Total Amount	Status	Action
1	ORD-PMIQF5MYPK	Prajwal Rai	prajwal.rai@gmail.com	6	₹ 100.00	₹13,925.10		
2	ORD-YFF8BF0YBK	Sandhya Rai	user@gmail.com	1	₹ 100.00	₹2,039.03		
3	ORD-1CKWRWTTIK	Prajwal Rai	prajwal.rai@gmail.com	1	₹ 100.00	₹300.00		
4	ORD-HV00KX0YHW	Prajwal Rai	prajwal.rai@gmail.com	6	₹ 400.00	₹23,910.00		
12	ORD-XJHI7DH6J0	vijay Kushwaha	vijaykushwaha86885@gmail.com	2	₹ 50.00	₹3,748.00		
22	ORD-16GA6IUNTP	vijay Kushwaha	vijaykushwaha86885@gmail.com	2	₹ 50.00	₹1,208.20		

Figure 4.2.33: Order Page

The screenshot shows the 'Order Edit' page within the 'Fashion Hub' admin interface. The top navigation bar includes 'Storage Link' and 'Cache Clear' buttons, along with user notifications (3 messages) and account information ('vijay kushwaha Rajendr'). The left sidebar lists various administrative sections: Dashboard, BANNER (Media Manager, Banners), SHOP (Category, Products, Brands), Shipping, Orders, Reviews, and POSTS (Posts). The main content area is titled 'Order Edit' and features a 'Status:' dropdown menu. The menu options are 'Delivered' (selected and highlighted in blue), 'New', 'process', and 'Cancel'. The 'Delivered' option is currently active.

Figure 4.2.34 : Change Order Status Page

Dashboard

BANNER

Media Manager

Banners

SHOP

Category

Products

Brands

Shipping

Orders

Reviews

POSTS

Posts

Category

Tags

Order

Generate PDF

S.N.	Order No.	Name	Email	Quantity	Charge	Total Amount	Status	Action
24	ORD-FGQIKXD9IL	vijay Kushwaha	vijaykushwahofficial21@gmail.com	3	₹50.00	₹1,936.12	new	 

ORDER INFORMATION

Order Number	: ORD-FGQIKXD9IL
Order Date	: Mon 14 Apr, 2025 at 3 : 46 pm
Quantity	: 3
Order Status	: new
Shipping Charge	: ₹ 50.00
Coupon	: ₹ 0.00
Total Amount	: ₹ 1,936.12
Payment Method	: Cash on Delivery
Payment Status	: unpaid

SHIPPING INFORMATION

Full Name	: vijay Kushwaha
Email	: vijaykushwahofficial21@gmail.com
Phone No.	: 09558228161
Address	: MIG 359 kendriya karmachari nagar socity near Rann, MIG 359 kendriya karmachari nagar socity near Rann
Country	: IN
Post Code	: 380061

Figure 4.2.35 : Order Details Page

ADMIN

Storage Link **Cache Clear**

vijay kushwaha Rajendra

Dashboard

Brand List

Add Brand

Show 10 entries

Search:

S.N.	Title	Slug	Status	Action
1	Adidas	adidas	active	
2	Nike	nike	active	
3	Kappa	kappa	active	
4	Prada	prada	active	
6	Brand	brand	active	
S.N.	Title	Slug	Status	Action

Showing 1 to 5 of 5 entries

- BANNERS
- MEDIA MANAGER
- BANNERS**
- SHOP
- CATEGORY
- PRODUCTS
- BRANDS
- SHIPPING
- ORDERS
- REVIEWS
- POSTS
- POSTS

Figure 4.2.36: Brand Page

ADMIN

Storage Link Cache Clear

Dashboard

BANNER

Media Manager

Banners

SHOP

Category

Products

Brands

Shipping

Orders

Reviews

POSTS

Posts

127.0.0.1:8000/admin/order

Add Brand

Title *

Status *

Reset Submit

Figure 4.2.37: Add Brand Page

ADMIN

Storage Link **Cache Clear**

vijay kushwaha Rajendr

Dashboard

BANNER

Media Manager

Banners

SHOP

Category

Products

Brands

Shipping

Orders

Reviews

POSTS

Posts

Review Lists

Show 10 entries Search:

S.N.	Review By	Product Title	Review	Rate	Date	Status	Action
1	N/A	White Sports Casual T-	nice product	★★★★★	Aug 15 Sat, 2020 1: 14 pm	active	
2	N/A	N/A	nice	★★★★★	Aug 18 Tue, 2020 2: 38 am	active	
3	vijay-user	White Sports Casual T-	good	★★★★★	Feb 10 Mon, 2025 7: 30 am	active	
4	vijay-user	Melange Casual Black	good review	★★★★★	Mar 27 Thu, 2025 8: 51 am	active	
S.N.	Review By	Product Title	Review	Rate	Date	Status	Action

Showing 1 to 4 of 4 entries

Figure 4.2.38 : Review Page

The screenshot shows the 'Review Edit' page in the Fashion Hub Admin interface. The left sidebar lists various admin sections: Dashboard, BANNER, Media Manager, Banners, SHOP, Category, Products, Brands, Shipping, Orders, and Reviews. The 'Reviews' section is currently selected. At the top right, there are links for 'Storage Link' and 'Cache Clear'. The main content area displays a review entry for a product. The review text is 'nice product'. Below the text, there is a dropdown menu for 'Status' with options: 'Active' (selected), '--Select Status--', and 'Inactive'. The status 'Active' is highlighted with a blue background.

Figure 4.2.39: Edit Review Page

ADMIN

- Dashboard**
- BANNER**
- Media Manager**
- Banners**
- SHOP**
- Category**
- Products**
- Brands**
- Shipping**
- Orders**
- Reviews**
- POSTS**
- Posts**

Storage Link **Cache Clear**

Post Lists **+ Add Post**

S.N.	Title	Category	Tag	Author	Photo	Status	Action	
6	Lorem Ipsum is simply	Electronics	Enjoy,2020			active		
5	The standard Lorem Ipsum passage,	Travel	,Enjoy,2020,Visit nepal 2020			active		
3	The standard Lorem Ipsum passage, used since the 1500s	Cloths				active		
2	Where can I get some?	Electronics	Enjoy			active		
1	Where does it come from?	Travel	2020,Visit nepal 2020			active		
S.N.	Title	Category	Tag	Author	Photo	Status	Action	

Figure 4.2.40 : Post page

The screenshot shows the 'Add Post' page in the Fashion Hub Admin interface. The left sidebar has a dark background with white text and icons. It includes sections for ADMIN, BANNER, SHOP, POSTS, and a user account section. Under POSTS, 'Posts' is selected. The main content area has a light gray background. At the top, there are two buttons: 'Storage Link' (yellow) and 'Cache Clear' (red). Below that is a navigation bar with icons for Home, Notifications (3), Messages (0), and a user profile for 'vijay kushwaha Rajendr'. The main form starts with a 'Title *' field containing 'Enter title'. Next is a 'Quote' section with a rich text editor toolbar and a placeholder 'Write detail Quote.....'. Following that is a 'Summary *' section with a rich text editor toolbar and a placeholder 'Write short description.....'. Finally, there is a 'Description' section with a rich text editor toolbar and a placeholder 'Description'. Each section has a small gray arrow icon to its right.

Figure 4.2.41 : Add Post Page

ADMIN

Storage Link **Cache Clear**

vijay kushwaha Rajendr

Coupon List **+ Add Coupon**

Show 10 entries Search:

S.N.	Coupon Code	Type	Value	Status	Action
1	abc123	fixed	₹300.00	active	
2	111111	percent	10.00%	active	
5	abcd	fixed	₹250.00	active	
S.N.	Coupon Code	Type	Value	Status	Action

Showing 1 to 3 of 3 entries

Figure 4.2.42 : Coupon Page

The screenshot shows the 'Add Coupon' page within the 'ADMIN' section of the 'Fashion Hub' application. The left sidebar lists various administrative categories: Dashboard, BANNER, Media Manager, Banners, SHOP, Category, Products, Brands, Shipping, Orders, Reviews, and POSTS. The main content area is titled 'Add Coupon' and contains the following fields:

- Coupon Code ***: An input field labeled 'Enter Coupon Code'.
- Type ***: A dropdown menu showing 'Fixed'.
- Value ***: An input field labeled 'Enter Coupon value'.
- Status ***: A dropdown menu showing 'Active'.

At the bottom right of the form are two buttons: 'Reset' (orange) and 'Submit' (green).

Figure 4.2.43: Add Coupon Page

ADMIN

Storage Link Cache Clear

Dashboard BANNER Media Manager Banners Category Products Brands Shipping Orders Reviews Posts

vijay kushwaha Rajendr

Users List + Add User

Show 10 entries Search:

S.N.	Name	Email	Photo	Join Date	Role	Status	Action
30	vijay kushwaha Rajendr	vijaykushwaha86885@gmail.com		2 months ago	admin	active	
31	vijay-user	vijaykushwahofficial21@gmail.com		2 months ago	user	active	
32	iwde	ds@gmail.com		1 week ago	user	active	
S.N.	Name	Email	Photo	Join Date	Role	Status	Action

Showing 1 to 3 of 3 entries

Figure 4.2.44 : User Detail Page

The screenshot shows the 'Edit User' page within the 'ADMIN' section of the 'Fashion Hub' application. The left sidebar lists various administrative modules: Dashboard, BANNER, Media Manager, Banners, SHOP, Category, Products, Brands, Shipping, Orders, Reviews, POSTS, and Posts. The main content area is titled 'Edit User' and contains fields for Name, Email, Photo, Role, Status, and an 'Update' button. The 'Name' field contains 'vijay kushwaha Rajendr'. The 'Email' field contains 'vijaykushwaha86885@gmail.com'. The 'Photo' field has a 'Choose' button. The 'Role' field is set to 'Admin'. The 'Status' field is set to 'Active'. The 'Update' button is highlighted with a green background.

ADMIN

Storage Link Cache Clear

Dashboard

BANNER

Media Manager

Banners

SHOP

Category

Products

Brands

Shipping

Orders

Reviews

POSTS

Posts

Edit User

Name

vijay kushwaha Rajendr

Email

vijaykushwaha86885@gmail.com

Photo

Choose

Role

Admin

Status

Active

Update

Figure 4.2.45 : Edit User Detail Page

5. Agile Document

Agile Project Charter

Project Name:	Fashion Hub
Project Champion:	Varma Shivam, Kushwaha Vijay
Project Sponsor:	LJ Institute of Computer Applications
Project Manager:	Prof. Krunal Panchal
Expected Start Date:	6 th January 2025
Expected Completion Date:	15 th April 2025
Project Goal:	To build an easy-to-use Fashion Hub Website that makes online shopping simple, efficient, and enjoyable. The website will allow users to browse and buy clothing, manage their accounts, and track their orders, while also handling inventory, process payments, and analyze sales trends.
Project Vision:	To build a next-generation fashion marketplace that blends style, technology, and convenience , offering an interactive shopping experience. Our platform will go beyond traditional e-commerce by integrating for clothing online
Project Scope:	<ul style="list-style-type: none"> ● Shopping & Product Management: Allow customers to browse clothing collections with filters like size, color, and price. Let's easily add, edit, and manage products. ● Seamless Ordering & Checkout: Enable users to add items to their cart and securely complete purchases.

	<p>Provide multiple payment options, including credit/debit cards and COD.</p> <ul style="list-style-type: none"> Smart Automation & Trending Items: shipping updates, and stock Inventory and Trending items on Dashboard
Key Stakeholders:	Project Managers, Team Members/Developers, Clients/End Users.
Risk	<ul style="list-style-type: none"> API Integration Failure The system may fail to integrate smoothly with third-party service like payment gateways. Version Compatibility Issues: Updates to system components (databases, APIs, frameworks) may break compatibility.

Agile Roadmap/schedule

Agile Roadmap / Schedule - Fashion Hub

	Month	Duration	Theme/Epic	Feature
Phase1: Foundation	January	Week 2	Development Environment Setup	Set up development, testing, and staging environments. Configure version control and install Laravel with MySQL database.
		Week 3	Core System Architecture	Implement user authentication, dashboard setup, and basic navigation structure.
		Week 4-5	Product Management (MVC)	Develop product listing, categories, and inventory management features.
		Week 1	User Roles & Permissions	Implement role-based access for admins, sellers, and customers.
	February	Week 2	Shopping Cart & Wishlist	Enable users to add/remove products, save items, and manage their cart.
Phase 2: Core Functionality		Week 3	Secure Payment System	Integrate payment gateways (Stripe) and ensure secure transactions.
		Week 4	Order Management & Tracking	Implement order processing, tracking, and status updates.

	Phase 3: Development Phase 4: Deployment Maintenance &	March	Week 1	UI/UX Design & Testing	Finalize front-end design, optimize for mobile, and conduct usability testing.	
Week 2			Admin Dashboard	Build an admin panel to manage products, users, and orders efficiently.		
Week 3			Customer Reviews & Ratings	Enable users to leave product reviews and ratings.		
Week 4			Deployment Preparation	Set up deployment pipeline, optimize performance, and conduct final code reviews.		
	April		Week 1	Deployment & Feedback Collection	Launch a website, monitor performance, and collect user feedback.	
			Week 2	Maintenance & Bug Fixing	Fix bugs, optimize performance, and plan future updates.	

Agile Project Plan

Fashion Hub web site						Start Date	End Date	Overall Progress
Project Manager	Prof. Krunal Panchal					6-Jan-25	15 th April 2025	90%
At Risk	Task Name	Responsible	Story Points	Start	Finish	Duration	Status	Comments
	SPRINT 1			6-Jan-25	1-Feb-25	28	Completed	
NO	Development environment setup	Shivam	3	6-Jan-25	10-Jan-25	5	Completed	Set up dev, testing, and staging environments
No	Basic website structure & navigation	Shivam	5	10-Jan-25	17-Jan-25	8	Completed	Homepage, navigation menus
No	Product and category(MVC)	Vijay	13	18-Jan-25	1-Feb-25	15	Completed	Product display with categories & search
	SPRINT 2			2-Feb-25	29-Feb-25	27	Completed	
No	Shopping cart & Wishlist	Shivam	5	2-Feb-25	9-Feb-25	8	Completed	Add to cart, save items, remove products
No	Role-based access control	Vijay	8	10-Feb-25	20-Feb-25	11	Completed	Admin, Manager, Team member roles

No	Secure checkout & payment integration	Vijay	5	21-Feb-25	29-Feb-25	8	Completed	Stripe integration
	SPRINT 3			1-Mar-2025	23-Mar-2025	23	Completed	
No	Order management & tracking	Vijay	8	1-Mar-2025	10-Mar-2025	10	Completed	tracking, order status updates
No	Reporting & analytics module	Vijay	8	11-Mar-2025	23-Mar-2025	13	Completed	Sales reports, user activity tracking
	SPRINT 4			24-Mar-2025	15-Apr-25	23	In Progress	
Yes	Final deployment	Shivam	3	24-Mar-2025	28-Mar-2025	5	Completed	Deploy to production server
Yes	Post-deployment bug fixes	Vijay	13	29-Mar-2025	15-Apr-25	18	In Progress	Final testing & user feedback incorporation

Agile User Story				
User Story ID	Priority	As a	I want to	So that I can
1	High	Customer	Register and log in	Access my account and track my orders
2	High	Customer	Browse products by category	Easily find the clothing I need
3	High	Customer	View product details (price, size, reviews)	Make an informed purchasing decision
4	High	Customer	Add items to my cart	Save my selections before checkout
5	High	Customer	Apply filters (size, color, brand, price)	Find relevant products quickly
6	High	Customer	Purchase products securely	Complete my order safely
7	High	Customer	Track my order status	Know when my order will arrive
8	High	Customer	Save items to a wishlist	Keep track of things I want to buy later
9	High	Customer	Leave product reviews	Share my experience with others
10	Medium	Customer	Contact customer support	Get help if I have any issues
11	High	Admin	Manage product listings (add, update, delete)	Keep the catalog up to date
12	High	Admin	Track orders and shipments	Ensure smooth order fulfillment

13	High	Admin	Approve or reject product reviews	Maintain quality control on reviews
14	High	Admin	Manage discount campaigns	Offer promotions to attract more customers
15	High	Admin	View sales reports and analytics	Track performance and make data-driven decisions
16	Medium	Admin	Manage registered users	Monitor and control customer access
17	High	System	Send order confirmation and tracking updates	Keep customers informed about their purchases
18	High	System	Generate sales reports	Help the admin analyze performance
19	Medium	System	Recommend products based on user behavior	Improve customer experience and increase sales
20	Medium	System	Send low-stock alerts to the admin	Ensure popular items are restocked
21	High	Seller	Register and manage my store	List my products for customers to buy
22	Medium	Seller	Manage stock levels	Keep my inventory updated
23	Low	Customer	View size guides and fit recommendations	Ensure I order the right size
24	Low	Customer	See fashion trends and styling tips	Get inspiration for my outfits
25	Medium	System	Notify customers about restocked items	Encourage repeat purchases

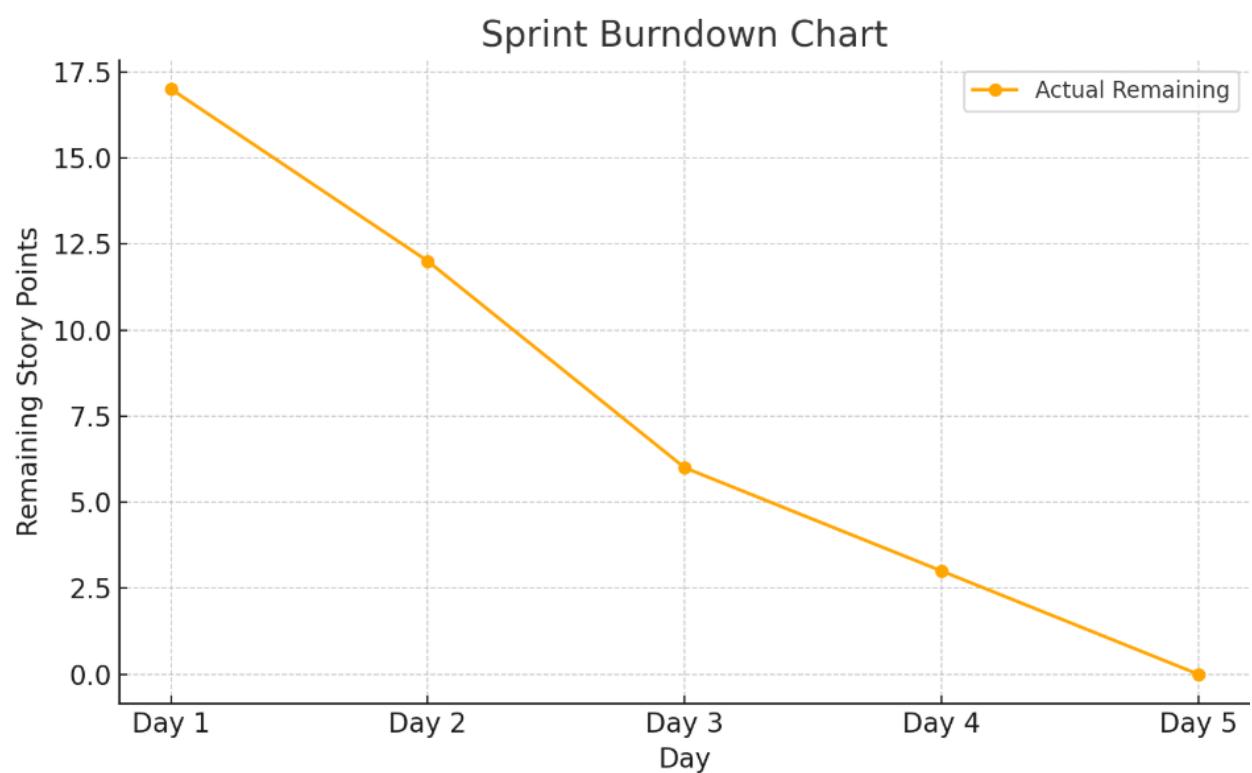
Agile Release Plan – Fashion Hub

Risk	Sprint	Task Name	Description	Start Time	Finish Time	Duration (Days)	Story Points	Status	Release Date	Goal
Low: Basic Website Features	Sprint 1	Development Environment Setup	Set up dev, testing, and staging environments	06-Jan-25	10-Jan-25	5	3	Completed	15-Apr-25	Set up the project environment and infrastructure
Low: Basic Website Features	Sprint 1	Basic Website Structure	Homepage design, navigation menus	10-Jan-25	17-Jan-25	8	5	Completed	15-Apr-25	Create basic site structure and navigation
Low: Basic product managing	Sprint 1	Product and Category (MVC)	Set up product display with categories and search	18-Jan-25	26-Jan-25	15	13	Completed	15-Apr-25	Develop product listing and category functionality
Medium: User Experience	Sprint 2	Shopping Cart & Wishlist	Implement shopping cart, add/remove products, wishlist	2-Feb-2025	09-Feb-25	8	5	Completed	15-Apr-25	Allow users to add/remove products and save for later
Medium: User Role	Sprint 2	Role-based Access Control	Implement admin, manager, and user roles	10-Feb-2025	20-Feb-25	11	8	Completed	15-Apr-25	Set up access control for various user roles

High: Security & checkout	Sprint 2	Secure Checkout & Payment	Implement Stripe integration for secure payments	21-Feb-2025	29-Feb-2025	8	5	Completed	15-Apr-25	Ensure secure and functional checkout experience
High: Security & Login Issues	Sprint 3	User Registration & Login	Enable user sign-up, login, and account management	1-Mar-2025	10-Mar-25	11	8	Completed	15-Apr-25	Implement secure user authentication and profiles
High: Security & Tracking	Sprint 3	Order Tracking	Allow users to track orders and get delivery updates	11-Mar-2025	23-Mar-25	13	8	Completed	15-Apr-25	Provide order status and shipping updates
High: Website Performance	Sprint 4	Performance Optimization	Optimize website speed, reduce loading times	15-Mar-2025	28-Mar-25	5	3	Completed	15-Apr-25	Improve website responsiveness and user experience
High: Bug Fixes	Sprint 4	Final Testing & Bug Fixes	Conduct thorough testing and fix bugs	28-Mar-2025	05-Apr-25	9	8	Completed	15-Apr-25	Ensure website stability and smooth functionality
Medium: Deployment & Launch	Sprint 4	Deployment & Launch	Publish the site and announce the launch	05-Apr-25	14-Apr-25	9	5	Pending	15-Apr-25	Launch the site and go live with final product

Agile Sprint Backlog – Fashion Hub

Sprint Backlog ID	Backlog Task	User Story	Story Points	Assigned To	Status	Original Estimate (Days)	Day 1	Day 2	Day 3	Day 4	Day 5
SB-001	Product CatLog Setup	As an admin, I want to add products with images and details so that customers can browse easily.	13	Shivam	Completed	15	13	8	5	2	0
SB-002	Homepage & Navigation	As a visitor, I want an easy-to-navigate homepage so that I can find products quickly.	5	Vijay	Completed	8	5	3	2	1	0
SB-003	Shopping Cart & Checkout	As a customer, I want to add items to the cart and complete my purchase smoothly.	5	Vijay	Completed	8	5	3	2	0	0
SB-004	Role-based access control	As a customer, I want login in my dashboard so I can open my profile.	8	Shivam	Completed	11	8	5	3	2	0
SB-005	Order Tracking System	As a customer, I want to track my order status so that I know when it will arrive.	8	Vijay	Completed	10	8	5	2	1	0



Agile Test Plan for Fashion Hub

TEST CASE ID	WRITTEN BY	BROWSER	VERSION	SPECIAL NOTES	DATE	DESCRIPTION	EXPECTED RESULT	ACTUAL RESULT	PASSED (Y/N)	TESTED BY	TESTER COMMENTS
TC-001	Shivam	Chrome	134.0.0	User Registration	10-jan-2025	Verify user can register with valid details	User registered successfully	User registered successfully	Yes	Shivam	Working as expected
TC-002	Shivam	Chrome	134.0.0	User Registration	25-jan-2025	Verify registration with missing mandatory fields	Error message displayed	Error message displayed	Yes	Vijay	Validation working correctly
TC-003	Shivam	Chrome	134.0.0	Login	28-jan-2025	Verify login with valid credentials	User logs in successfully	User logged in	Yes	Shivam	Functionality confirmed
TC-004	Shivam	Chrome	134.0.0	Login	1-Feb-2025	Verify login with incorrect password	Display error "Invalid credentials"	Error message displayed	Yes	Vijay	Error handling works fine
TC-005	Vijay	Chrome	134.0.0	Password Reset	03-Feb-25	Verify password reset request for registered email	Reset link sent to email	Reset link received	Yes	Shivam	Works as intended
TC-006	Vijay	Firefox	134.0	Product Search	10-Feb-25	Verify searching for an existing product	Relevant products displayed	Products displayed	Yes	Vijay	Search functionality confirmed

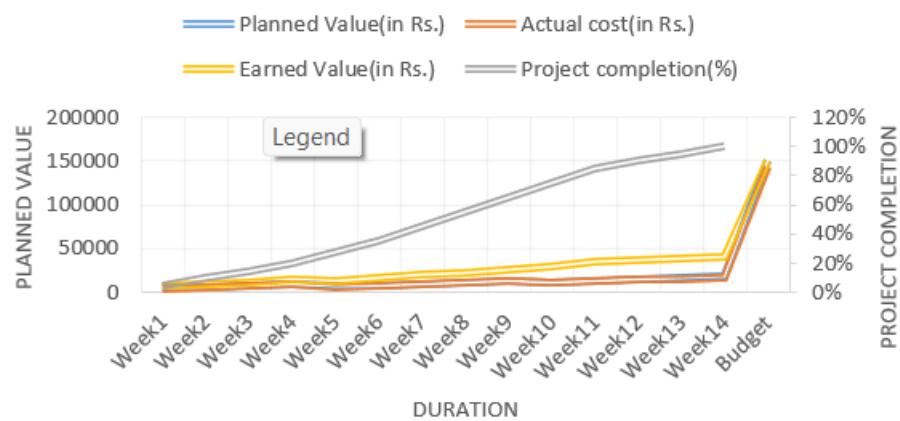
TC-007	Shivam	Firefox	134.0	Product Search	20-Feb-25	Verify searching for a non-existent product	Display "No results found"	No results found	Yes	Vijay	Handled correctly
TC-008	Vijay	Safari	18.2	Add to Cart	25-Feb-25	Verify adding product to cart	Product added successfully	Product added	Yes	Shivam	Works as expected
TC-009	Shivam	Safari	18.2	Remove from Cart	28-Feb-25	Verify removing a product from cart	Product removed successfully	Product removed	Yes	Shivam	Functionality confirmed
TC-010	Vijay	Edge	134.0.0	Checkout Process	1-Mar-25	Verify checkout process with valid details	Order placed successfully	Order placed	Yes	Vijay	Checkout working correctly
TC-011	Shivam	Edge	134.0.0	Checkout Process	3-Mar-25	Verify checkout with missing payment details	Display error message	Error displayed	Yes	Vijay	Error handling confirmed
TC-012	Vijay	Chrome	134.0.0	Payment Processing	8-Mar-25	Verify payment with valid details	Payment processed successfully	Payment successful	Yes	Vijay	Works as expected
TC-013	Shivam	Chrome	134.0.0	Payment Processing	9-Mar-25	Verify payment with invalid details	Display error message	Error displayed	Yes	Vijay	Validation working as expected
TC-014	Shivam	Firefox	134.0	Order History	13-Mar-25	Verify order history for logged-in user	Display past orders	Past orders displayed	Yes	Shivam	Functionality confirmed
TC-015	Vijay	Firefox	134.0	Order Tracking	18-Mar-25	Verify order tracking functionality	Order status displayed correctly	Status displayed	Yes	Shivam	Works as expected

TC-016	Shivam	Safari	134.0	Wishlist	22-Mar-25	Verify adding product to wishlist	Product added to wishlist	Product added	Yes	Vijay	Functionality confirmed
TC-017	Vijay	Safari	18.2	Wishlist	28-Mar-25	Verify removing product from Wishlist	Product removed from Wishlist	Product removed	Yes	Shivam	Works as expected
TC-018	Shivam	Edge	134.0.0	User Profile Update	1-Apr-25	Verify updating user profile	Profile updated successfully	Profile updated	Yes	Vijay	Validation working fine
TC-019	Vijay	Edge	134.0.0	User Profile Update	5-Apr-25	Verify updating profile with missing fields	Display error message	Error displayed	Yes	Vijay	Validation working as expected
TC-020	Vijay	Chrome	134.0.0	Logout	8-Apr-25	Verify logout functionality	User logged out successfully	User logged out	Yes	Shivam	Works as intended

Earned-value and burn charts

Duration	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Budget
Planned Value (PV) (in Rs.)	5000	6000	8000	10000	7000	8000	9000	11000	13000	12000	14000	15000	16000	10000	154000
Actual Cost (AC) (in Rs.)	4000	5000	7500	9000	6500	8500	9500	10500	12500	11500	13500	14500	15500	16500	145500
Project Completion (%)	5%	10%	15%	20%	28%	35%	45%	55%	65%	75%	85%	90%	95%	100%	
Earned Value (EV) (in Rs.)	800	1600	2400	3200	4480	5600	7200	8800	10400	12000	13600	14400	15200	16000	154000

BURN DOWN FOR FASHION HUB



Proposed Enhancements

1.Admin Dashboard Enhancements

- **Sales & Performance Reports:** Provide real-time analytics on sales, customer behaviour, and product performance.
- **User Management Tools:** Easily manage customer accounts, order histories, and refund requests.
- **AI-Based Demand Forecasting:** Use machine learning algorithms to predict fashion trends and stock demand.

2.Faster Database Performance

Description: Optimized data processing for quicker load times

Benefits:

- Faster order processing.
- Smooth handling of high traffic.
- Reduced server load and downtime.

3.AI-Powered Recommendation Engine

- **Description:** Use machine learning to suggest products based on browsing history, purchase history, and popular trends.
- **Benefit:** Personalized shopping experience leading to increased sales.

4. Multilingual and Multi-Currency Support

- **Description:** Allow users to browse the website in different languages and currencies.
- **Benefit:** Prepares the platform for international expansion.

Conclusion

The Fashion Hub clothing website was developed to deliver a feature-rich, intuitive, and secure shopping experience for fashion-forward customers and modern retailers. Designed with scalability in mind, the platform incorporates essential components such as a robust product management system, user-friendly account features, and a dynamic shopping cart and checkout process. Integration with trusted payment gateways like Stripe ensures safe and smooth financial transactions.

Marketing and engagement are driven through powerful tools like banner management and dedicated brand collaboration pages, enabling timely promotions and exclusive collections. Customer reviews play a vital role in fostering trust and community interaction, while the admin dashboard and analytics tools provide deep insights to support strategic business decisions.

Bibliography

This bibliography covers **Laravel (PHP)**, **MySQL**, and **Stripe** payment gateway integration, along with **frontend development**, **Agile project tracking tools**, and **real-world fashion website references**. These sources were essential in creating a **secure, scalable, and user-friendly Fashion Hub** website.

1. Websites & Online Articles

1. Laravel Official Documentation

Usage: Referenced for routing, middleware, authentication, and API development.

URL: <https://laravel.com/docs>

2. PHP Manual – Official PHP Documentation

Usage: Used for backend scripting, session handling, and security best practices.

URL: <https://www.php.net/manual/en/>

3. MySQL Documentation – Oracle

Usage: Used for database structuring, queries, indexing, and performance optimization.

URL: <https://dev.mysql.com/doc>

4. Stripe Documentation – Payment Gateway

Usage: Used for secure online payments and checkout integration.

URL: <https://stripe.com/docs>

5. Agile Alliance Resources

Usage: Used to understand Agile principles, Scrum methodology, sprint planning, and team collaboration.

URL: <HTTPS://WWW.AGILEALLIANCE.ORG/AGILE101>

2. Tools & Libraries Documentation

1. Laravel Framework – PHP MVC Framework

Usage: Used for building the backend of the clothing website.

URL: <https://laravel.com/>

2. MySQL – Database Management System

Usage: Used for user data, product listings, orders, and transactions.

URL: <https://www.mysql.com/>

3. Bootstrap – Frontend CSS Framework

Usage: Used for creating responsive UI components.

URL: <https://getbootstrap.com/>

4. Stripe API – Payment Processing

Usage: Integrated for handling online transactions securely.

URL: <https://stripe.com/docs/api>

3. Fashion Brand References

The following clothing and fashion websites were studied for design inspiration, product presentation, user experience, and overall functionality:

1. Vero Moda – <https://www.veromoda.in>
2. KALKI Fashion – <https://www.kalkifashion.com>
3. Fabindia – <https://www.fabindia.com>
4. Snitch – <https://www.snitch.co.in>
5. Raymond – <https://www.raymond.in>