



Fashion Hive: Full-Stack E-Commerce Platform

This presentation introduces Fashion Hive, a full-stack website designed for buying and selling fashion and accessories. The platform offers a seamless shopping experience with well-organized categories for Men and Women, each subdivided into Clothing and Accessories. Multiple subcategories enhance navigation and product discovery, ensuring users can easily find stylish and trendy items tailored to their preferences.

The screenshot shows the homepage of the Fashion Hive website. At the top, there is a yellow header bar with the text "Get free delivery on orders over ₹ 2000". Below the header is a navigation bar with links for "Women", "Men", "Company", and "Stores". On the far right of the header are icons for a user profile, search, and cart. The main content area features a large banner with the text "Fashion Hive" and "LATEST STYLE". Below the banner are sections for "NEW ARRIVAL" and a "SHOP NOW" button. The page is divided into several sections, each showing a grid of product images. One section is titled "Men's Kurta" and shows five different men's kurta designs. Another section is titled "Women's Top" and shows five different women's top designs. The website has a clean, modern design with a focus on product display.

Get free delivery on orders over ₹ 2000

Women Men Company Stores

Fashion Hive

LATEST STYLE

NEW ARRIVAL

SHOP NOW

Men's Kurta

KSH Trendz Men Solid Cotton Blend Straight Kurta

FRELURO ypsfdf Men Printed kurta

larvish Men Embroidered Cotton Blend A-line Kurta (Black)

DEEMOON Men Floral Print Cotton Blend Straight Kurta

ALY JOHN Men Solid Pure Cotton Straight Kurta

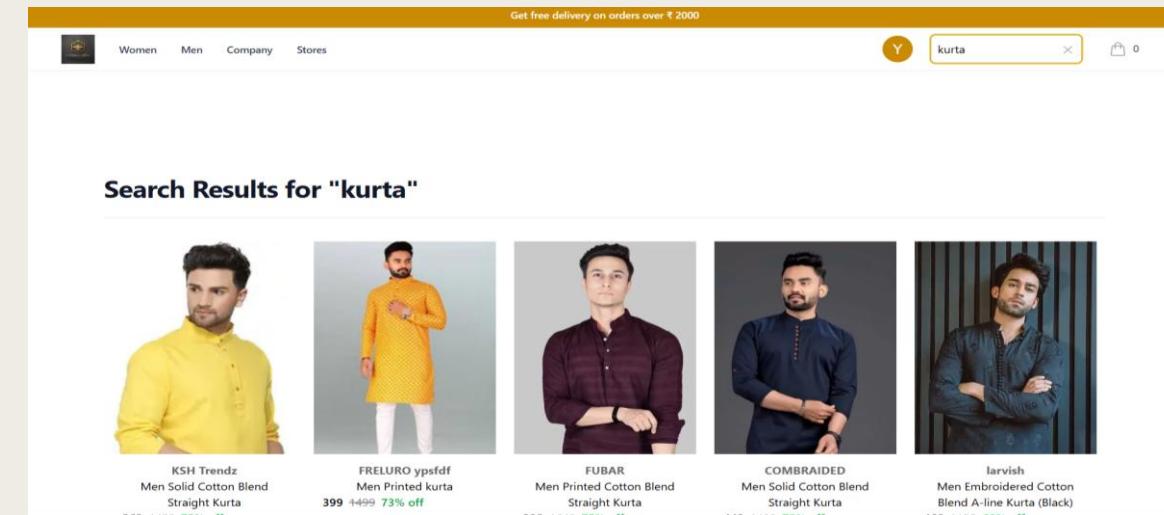
Women's Top

User Experience Workflow

Browsing & Searching

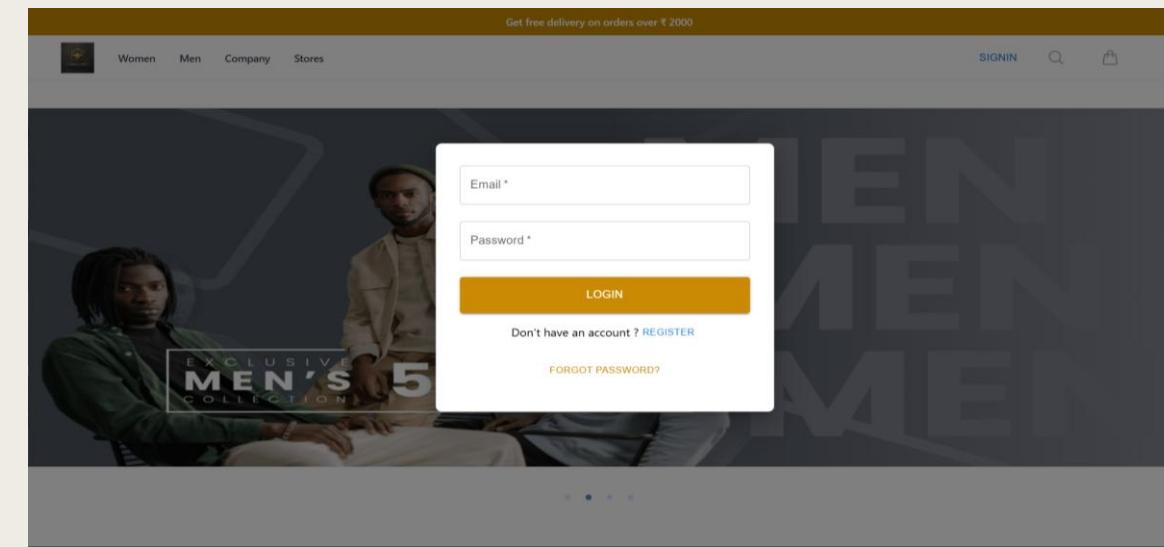
1

Users can explore products without logging in, using search, filters, and sorting to find desired items.



2

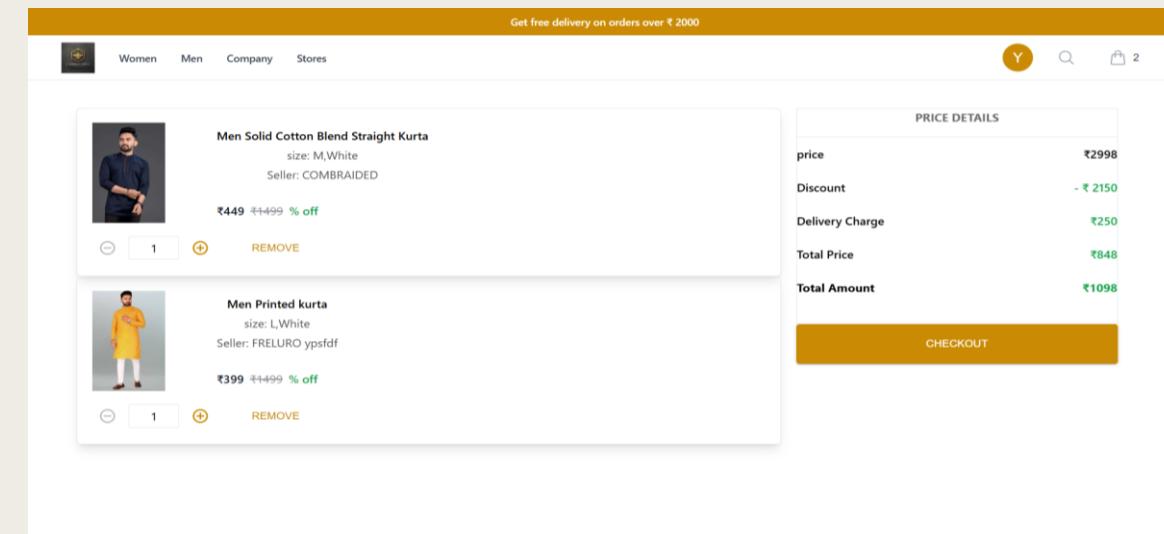
To place orders, users must create an account or log in, ensuring secure transactions and personalized service.



Adding to Cart

3

Selected products can be added to the cart for review before purchase.



Get free delivery on orders over ₹ 2000

Women Men Company Stores

Y

Delivery Address

Order Summary

Payment

Recently used Delivery Address

First Name * yash

Last Name * palav

Address * Manvelpada Road

City * Virar

State/Province/Region * Maharashtra

Zip/Postal Code * 401303

Phone Number * +919172837835

DELIVER HERE

You will be redirected in 4 seconds

Payment Successful

This payment link is created in **Test Mode**. Only test payments can be made for this.

Payment Request from YASH SUHAS PALAV

AMOUNT PAYABLE
INR 848.00

YASH SUHAS PALAV ₹848

Apr 20, 2025, 5:20 PM

Card | pay.QLikkUnTjrv7E

Visit razorpay.com/support for queries

Secured by

Want to create payment links for your business? Visit razorpay.com/payment-links and get started instantly.

VISA RuPay

Order Placement Process

Delivery Address

Users provide delivery details to ensure accurate shipment.

Payment

Multiple payment methods are supported for convenience and security.

Order Confirmation

Successful payment redirects users to an order summary and status tracking.

Get free delivery on orders over ₹ 2000

Women Men Company Stores

Y

Placed

Order Confirmed

Shipped

Out For Delivery

Delivered

Payment Success

Your Order has been Placed !!!

Men Solid Cotton Blend Straight Kurta
Size : M
Seller : COMBRAIDED
₹ 449

yash palav
Virar, Manvelpada Road, Maharashtra, 401303
Phone Number
+919172837835

Men Printed kurta
Size : L
Seller : FRELURO ypsdf
₹ 399

yash palav
Virar, Manvelpada Road, Maharashtra, 401303
Phone Number
+919172837835



Post-Order Features

Order Tracking

Users can monitor their order status from processing to delivery.



Product Ratings

After delivery, users can rate products to share their experience.

Get free delivery on orders over ₹ 2000

Women Men Company Stores

Y 0

Delivery Address

yash palav
Virar, Manvelpada Road, Maharashtra, 401303
Phone Number
+919172837835

Placed Order Confirmed Shipped Out For Delivery Delivered

Men Solid Cotton Blend Straight Kurta
Color : Dark Blue size : M
Seller : COMBRAIDED
₹449

★ RATE & REVIEW PRODUCT

Get free delivery on orders over ₹ 2000

Women Men Company Stores

Y 0

Reviews & Ratings

Product Rating

★★★★★ 0 (0 ratings)

Rate This Product

★★★★★ Submit Rating

Write a Review

Share your thoughts about this product...

Submit Review

Customer Reviews

three grayscale options. Feeling adventurous? Put on a heather gray tee. Want to be a trendsetter? Try our exclusive colorway: "Black". Need to add an extra pop of color to your outfit? Our white tee has you covered.

Hand cut and sewn locally
Dyed with our proprietary colors
Pre-washed & pre-shrunk
Ultra-soft 100% cotton

Details

The 6-Pack includes two black, two white, and two heather gray Basic Tees. Sign up for our subscription service and be the first to get new, exciting colors, like our upcoming "Charcoal Gray" limited release.

Recent Reviews & Rating

yash palav 2025-04-20

★★★★★ 1
Excellent

Product Ratings

★★★★★ 1
Excellent

Very Good

Admin Panel Overview

Admin functionality dashboard

Admin can have access to the dashboard where he can control Everything in website. The dashboard include all the information about the Products ,orders ,sales ,users.

The image shows a screenshot of an Admin Panel. On the left, a sidebar lists navigation options: Dashboard, Products, Customers, Orders, AddProduct, and Account. The main area is divided into several sections: 1) A 'Fashion Hive' section with a trophy icon and the text 'Congratulation !! 280.4 k' and a 'VIEW SALES' button. 2) A 'Monthly Overview' section with a chart showing 'Total 42.5% growth This Month' and four metrics: Sales (192K), Customers (10.5K), Products (1.5K), and Revenue (\$ 55K). 3) An 'Orders' section with a table header: Image, Title, Id, Price, and status. 4) A 'Products' section with a table header: Image, Title, Category, Price, Discount Percent, Discounted Price, and Quantity. Three product rows are listed: 1) Casual Regular Sleeves Solid Women top (Category: top, Price: 999, Discount Percent: 76, Discounted Price: 233, Quantity: 1000). 2) Men Solid Cotton Blend Straight Kurta (Category: mens_kurta, Price: 1499, Discount Percent: 75, Discounted Price: 363, Quantity: 100). 3) Men Printed kurta (Category: mens_kurta, Price: 1400, Discount Percent: 73, Discounted Price: 200, Quantity: 150).

Image	Title	Category	Price	Discount Percent	Discounted Price	Quantity
	Casual Regular Sleeves Solid Women top	top	999	76	233	1000
	Men Solid Cotton Blend Straight Kurta	mens_kurta	1499	75	363	100
	Men Printed kurta	mens_kurta	1400	73	200	150

Admin Panel Overview

Product Management

Add, edit, or delete products to keep inventory up to date.

Order Status

Update order statuses which reflect immediately to users.

Dashboard

Products

Customers

Orders

AddProduct

Account

Order AdminPanel

Image	Title	Id	Price	status	Update Status	Delete
	Men Solid Cotton Blend Straight Kurta Men Printed kurta	6804df4d18b972bd3527528f	848	PLACED	<button>UPDATE</button>	<button>DELETE</button>

Confirmed
Shipped
Out for Delivery
Delivered

Dashboard

Products

Customers

Orders

AddProduct

Account

Add New Product

Image URL	Title		
Brand	Color	Quantity	
Price	Discounted Price	Discounted Percentage	
Top Level Category	Second Level Category	Third Level Category	
Description			
Size * S	Quantity 0	Size * M	Quantity 0
Size * L	Quantity 0	Size * XL	Quantity 0

Dashboard

Products

Customers

Orders

AddProduct

Website FeedBacks

Products AdminPanel

Image	Title	Category	Price	Discount Percent	Discounted Price	Quantity	Delete
	Casual Regular Sleeves Solid Women top	top	999	76	233	1000	<button>DELETE</button>
	Men Solid Cotton Blend Straight Kurta	mens_kurta	1499	75	363	100	<button>DELETE</button>
	Men Printed kurta	mens_kurta	1499	73	399	150	<button>DELETE</button>
	Men Solid Cotton Blend Straight Kurta	mens_kurta	1499	70	449	100	<button>DELETE</button>
	Men Embroidered Cotton Blend A-line Kurta (Black)	mens_kurta	1150	60	460	1000	<button>DELETE</button>
	Men Floral Print Cotton Blend Straight Kurta	mens_kurta	1599	70	468	100	<button>DELETE</button>
	Men Solid Pure Cotton Straight Kurta	mens_kurta	1279	62	478	100	<button>DELETE</button>

Dashboard

Products

Customers

Orders

AddProduct

Website FeedBacks

Customer AdminPanel

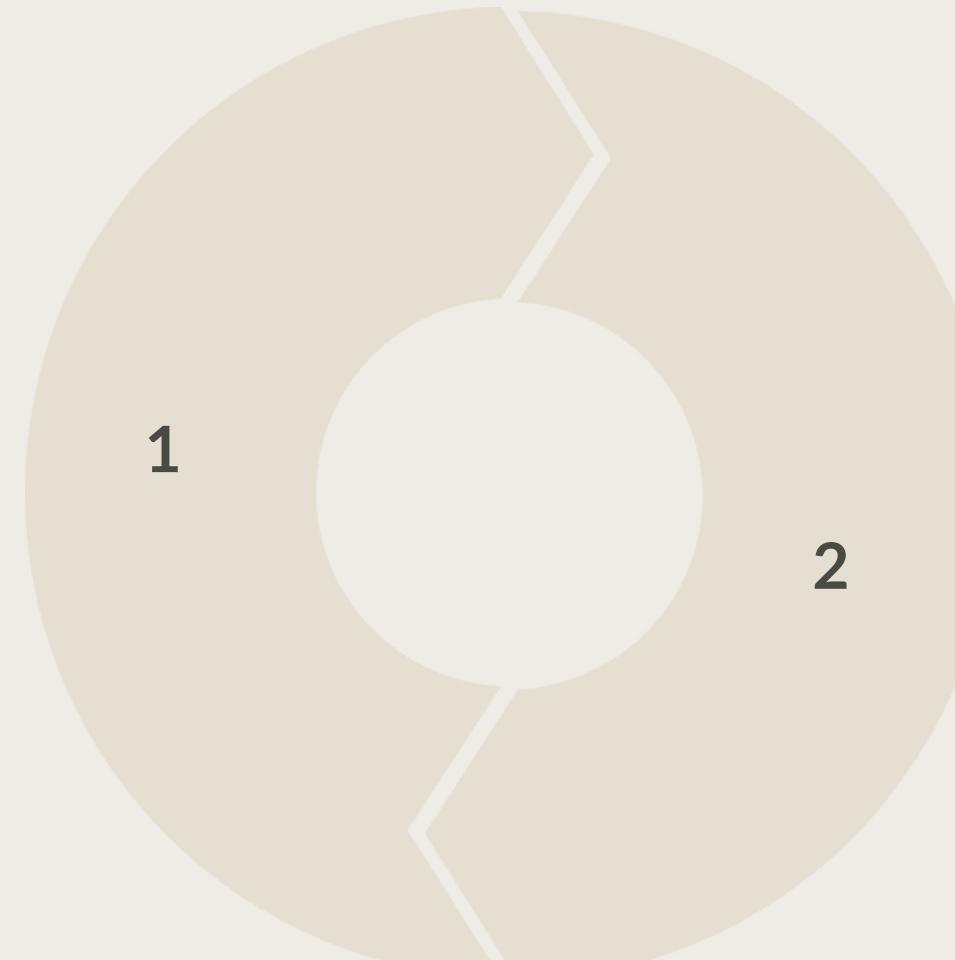
Profile	Name	Email	Created At	Role	Update
	Yash Palav	yashpalav68@gmail.com	2025-04-20	ADMIN	<button>Admin</button>
	yash palav	palavyash42@gmail.com	2025-05-02	CUSTOMER	<button>Customer</button>
	aditya Pawar	adityagpawar.2004@gmail.com	2025-05-02	CUSTOMER	<button>Customer Admin</button>

User Feedback System



Feedback Submission

Users can submit feedback via a button in the website footer.

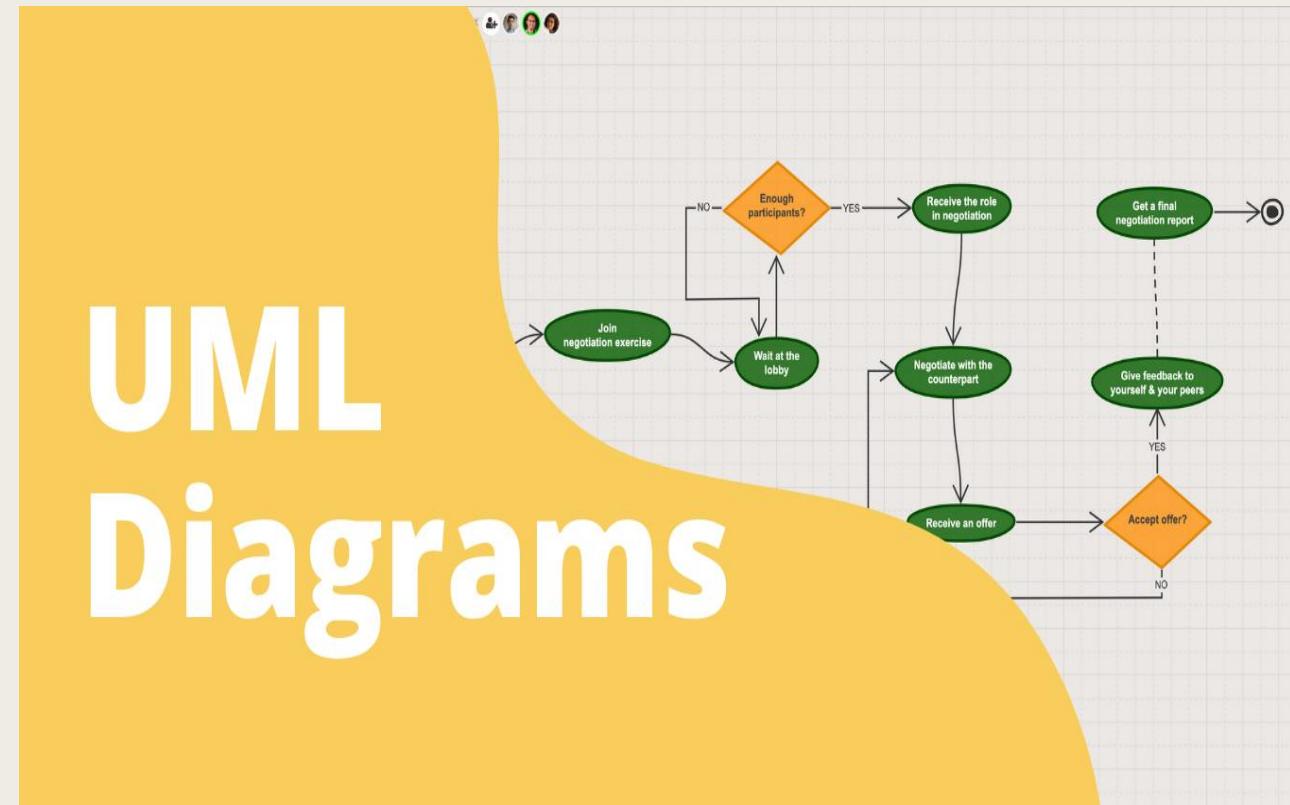


Admin Review

Admins access and review all user feedback to improve the platform.

UML Diagrams: Visualizing System Architecture

UML diagrams provide a standardized way to visualize and design software systems. The use case diagram illustrates how users browse, order, and review products, while admins manage inventory and user roles. These diagrams clarify system scope and functional requirements for all stakeholders.



Use-case Diagram:

The Use Case Diagram outlines the interactions between external users (actors) and the system, capturing functional requirements.

Actors:

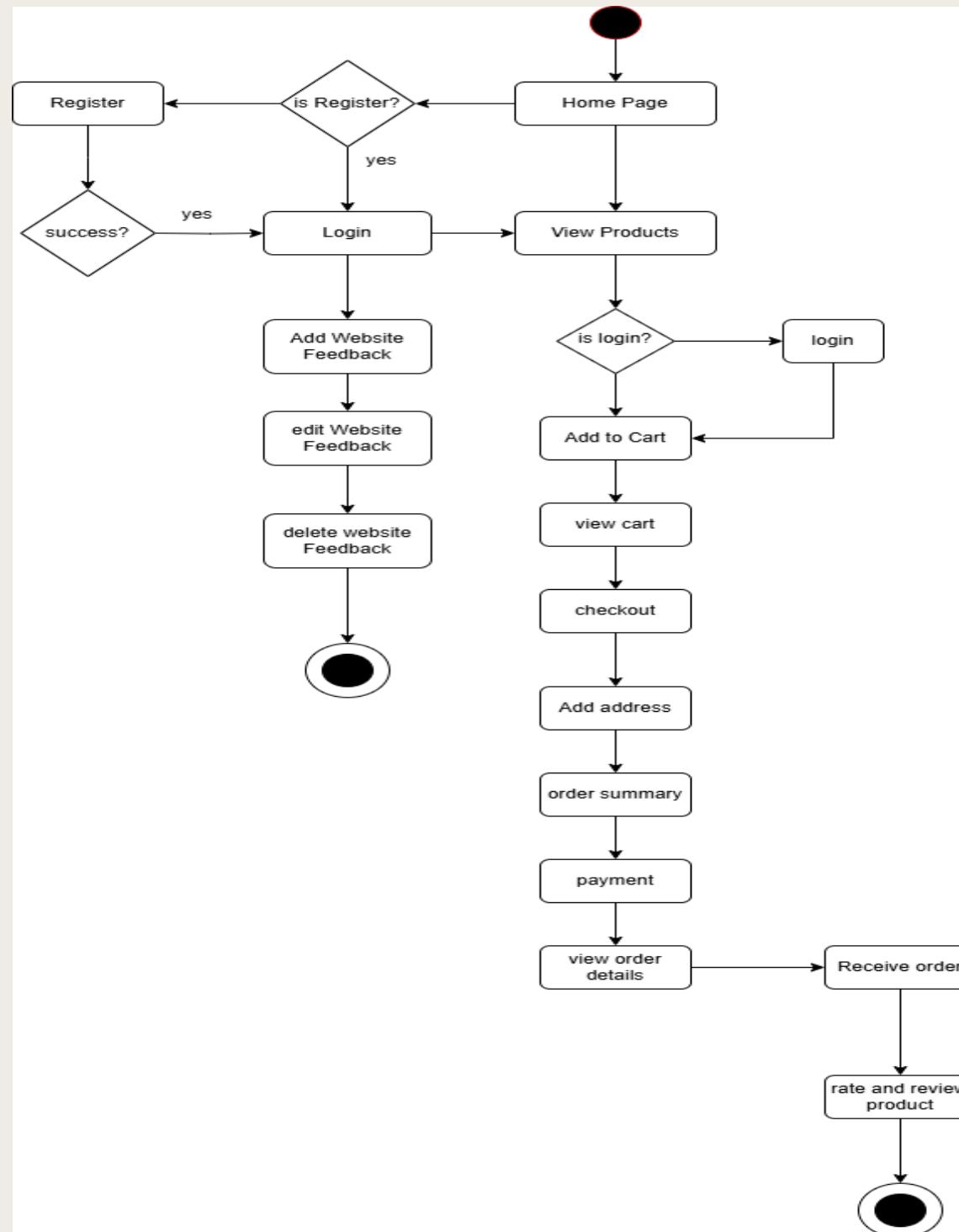
User: Browses products, adds to cart, places orders, and reviews items.

Admin: Manages inventory, customer orders, and user roles.



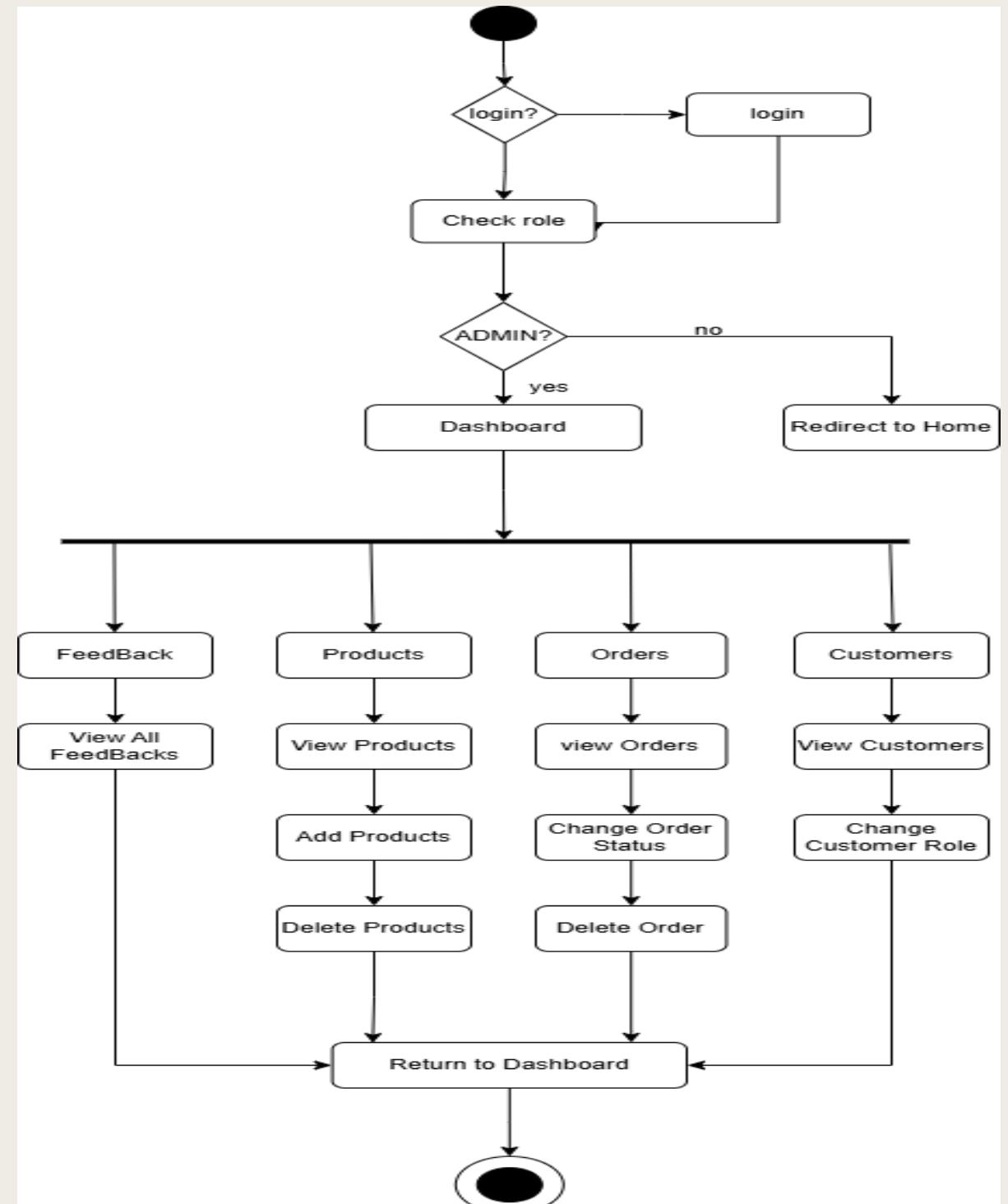
Activity Diagram(user):

To demonstrate the workflow of a user, from registration to order completion.



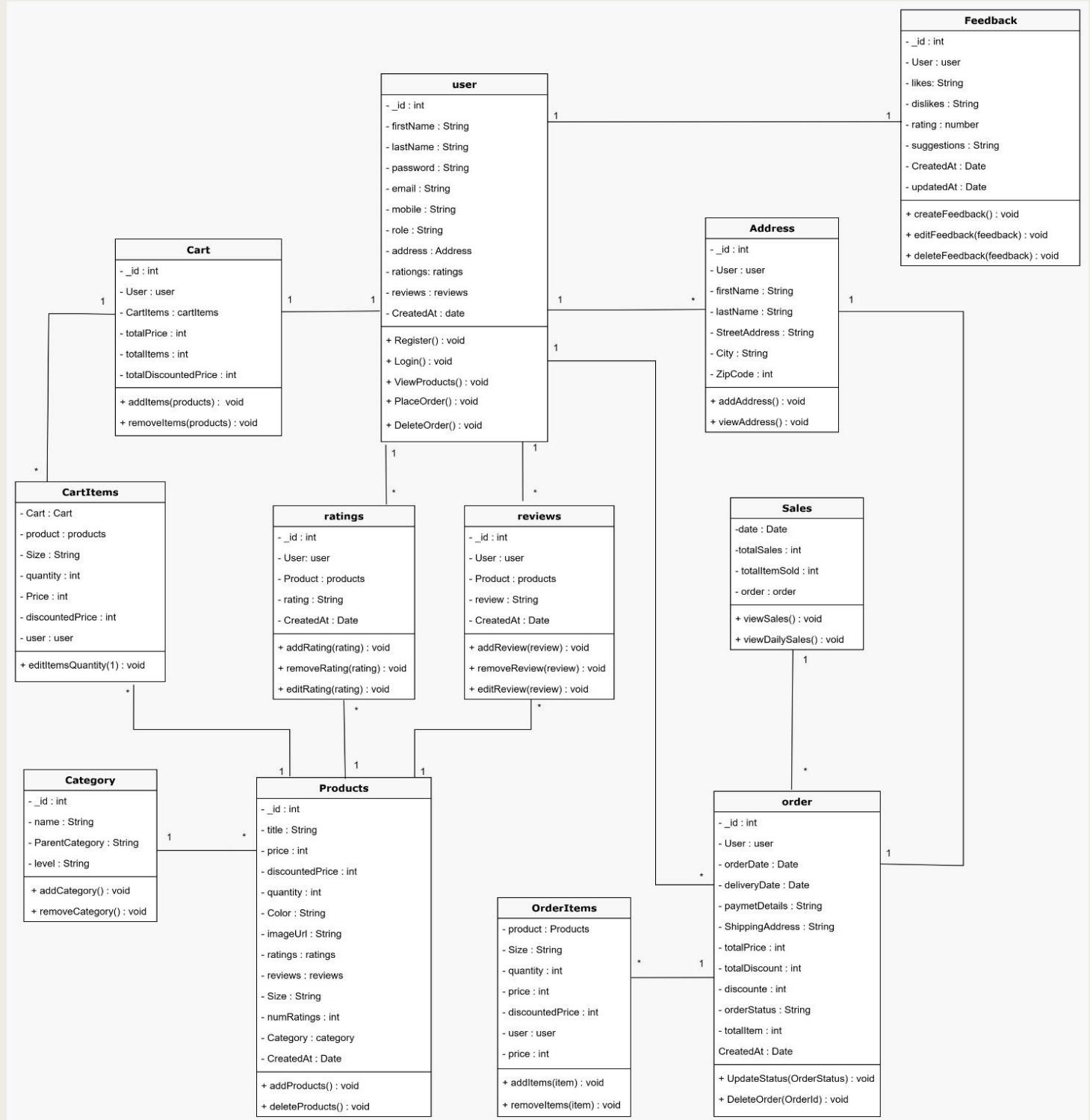
Activity Diagram(Admin):

To outline the steps an admin follows to manage system operations.



Class Diagram:

The Class Diagram displays the static structure of the system its classes, attributes, methods, and the relationships between them.



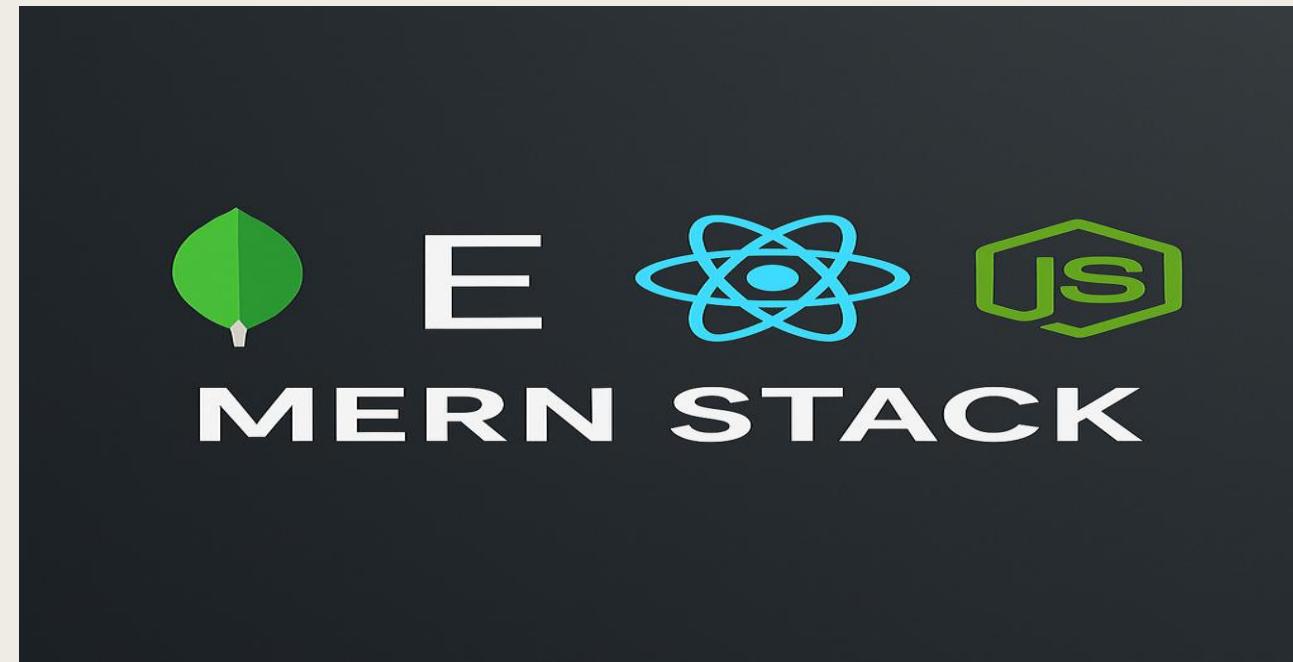
Detailed UML Diagrams & Conclusion

Activity and class diagrams map user and admin workflows and system structure, ensuring clarity in development. UML diagrams bridge communication between technical and non-technical teams, guiding the project from planning to deployment. For Fashion Hive, they minimize ambiguity and support a robust, scalable e-commerce platform.

Technology Stack & Modules of Fashion Hive

This presentation explores the core technologies and modules powering the Fashion Hive e-commerce platform. We will cover the technology stack, folder structures, integration processes, key functionalities, and future growth plans. Our goal is to provide a clear understanding of how modern tools and frameworks come together to build a seamless, secure, and scalable digital fashion retail system.





Core Technologies Used

MongoDB

A NoSQL database storing flexible JSON-like documents, ideal for complex data like products and orders.

Express.js

Lightweight Node.js framework simplifying backend API creation and routing.

React.js

JavaScript library for building fast, interactive, and reusable frontend UI components.

Node.js

JavaScript runtime enabling server-side code execution for consistent full-stack development.

Technology Layers & Purposes

Frontend	React.js	Build responsive, interactive interfaces
Styling	Tailwind CSS	Utility-first CSS framework for styling
State Management	Redux	Efficient global state handling
Backend	Node.js, Express.js	RESTful APIs and server logic
Database	MongoDB	Store and manage NoSQL documents
Payment	Razorpay	Secure online payment processing

Backend Folder Structure Overview

Key Directories

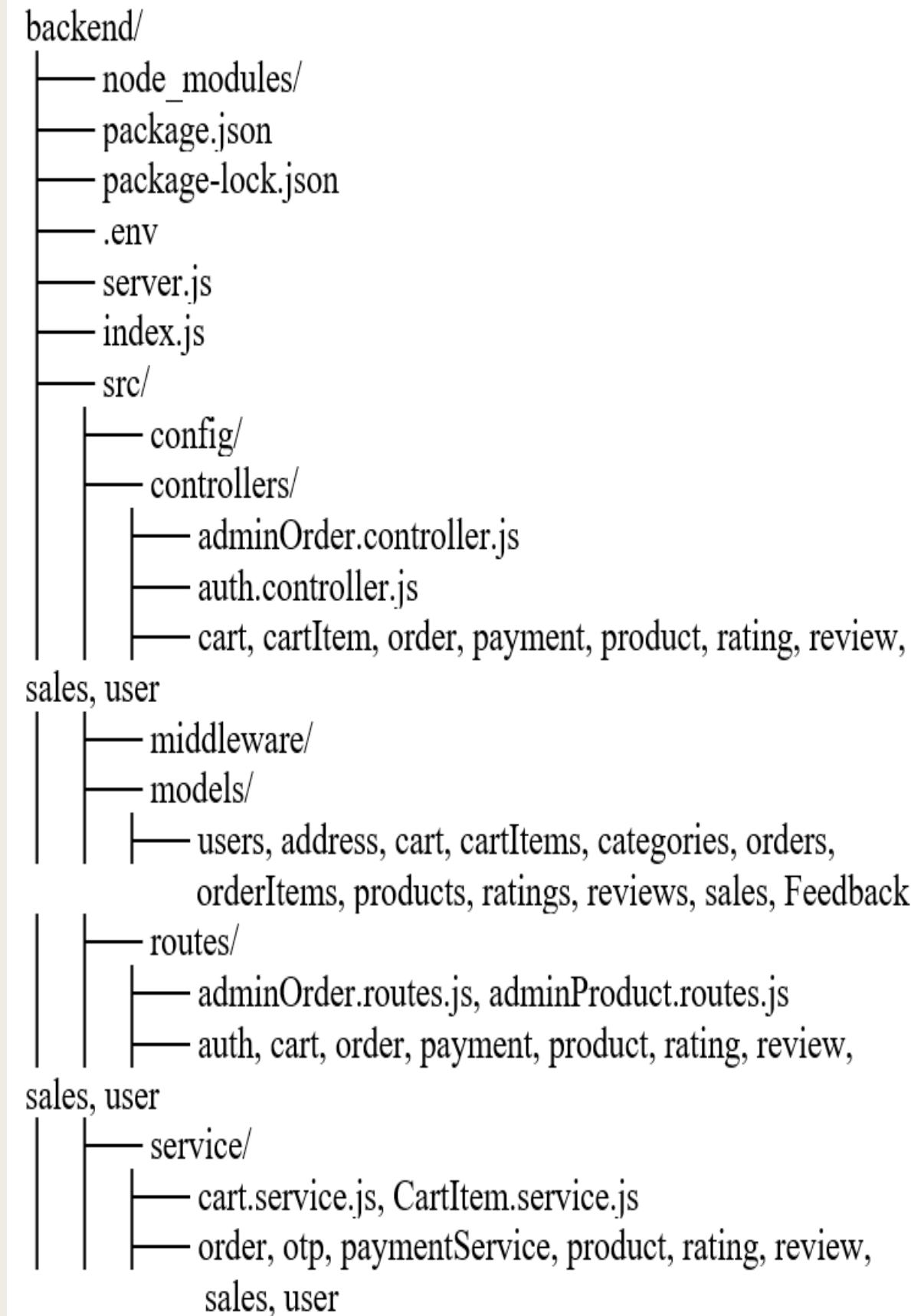
Includes config, controllers, middleware, models, routes, and services for modular code organization.

Models & Routes

Define data schemas and API endpoints for seamless backend operations.

Controllers & Services

Handle business logic for orders, payments, products, users, and more.



Backend Folder Structure Overview

Admin & Customer Modules

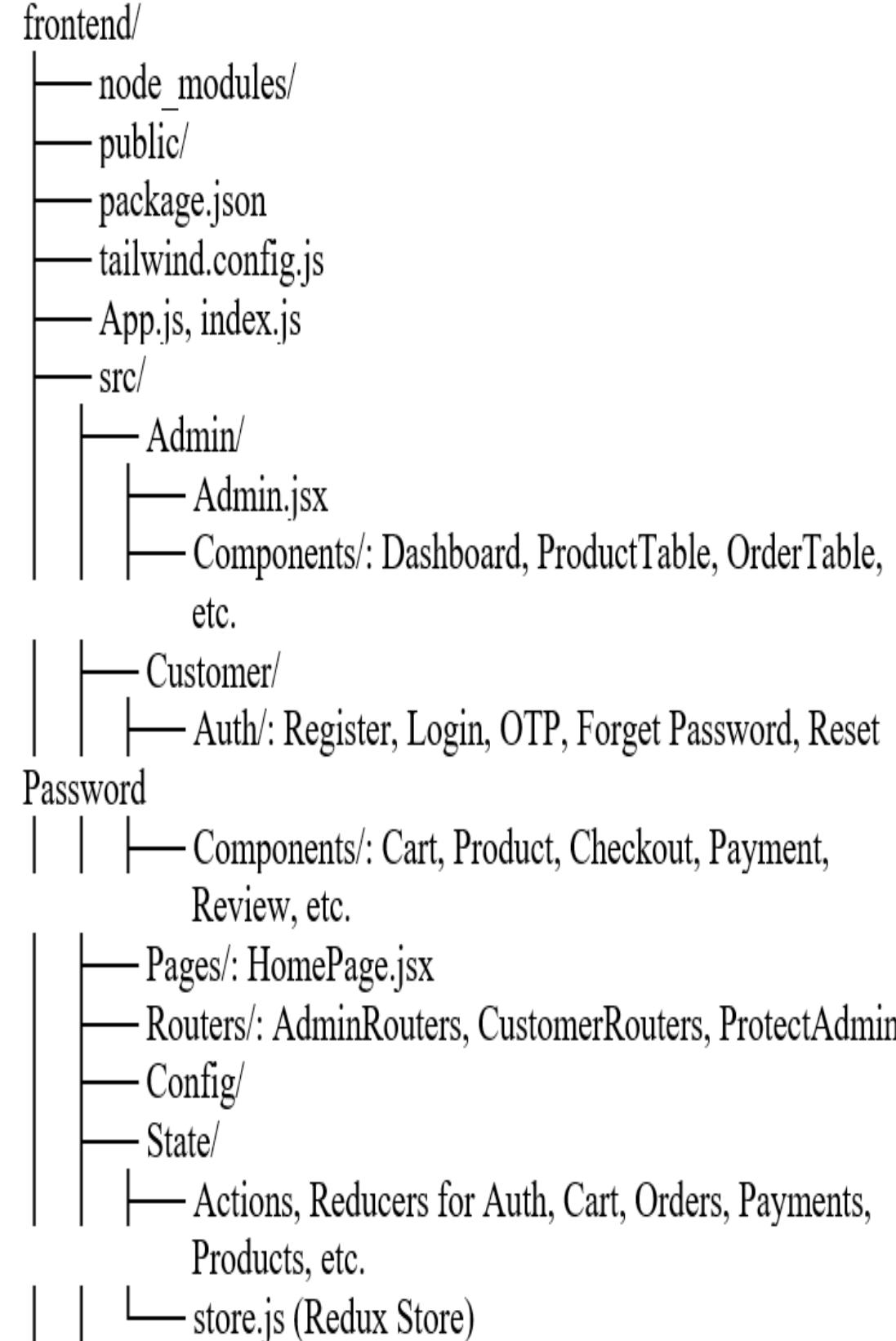
Separate folders for admin dashboard and customer features like authentication and cart management.

Pages & Routers

HomePage, routing components, and protected routes for user access control.

State Management

Redux store with actions and reducers managing authentication, cart, orders, and payments.





Frontend-Backend Integration & API Testing

1

Integration Approach

Used Axios for asynchronous HTTP requests, centralized API endpoints via environment variables, enabling real-time data updates without page reloads.

2

API Testing

Frontend tested button clicks and form submissions, backend tested with Postman to ensure correct responses and data consistency.

3

UI Feedback

Implemented loading indicators and success/error messages for smooth user experience.

Razorpay Payment Gateway Integration

Backend Setup

Configured Razorpay API keys securely, implemented order generation and payment signature validation logic.

Frontend Setup

Integrated Razorpay checkout script, enabling a seamless payment modal with pre-filled customer details for smooth transactions.

System Integration & Key Considerations

Dynamic User Interaction

User actions update backend data in real-time, reflecting instantly on the UI.

Smooth Experience

Minimal page reloads ensure a fluid shopping and checkout process.

Security & Responsiveness

API keys protected, error handling implemented, and design optimized for all devices.

E-commerce Frontend



Data layer



System Requirements

Category	Specification	Details
 Web Users	Device	Smartphone, Tablet, or PC (2 GB RAM min)
	OS	iOS 13+, Windows 10+, macOS 10.15+
 Mobile	Requirements	Android 8.0+, iOS 13+
	OS	RAM: 2 GB or more, Browser/WebView compatible
	Internet	512 Kbps minimum (2 Mbps recommended)
	JavaScript	Must be enabled
	Storage	Enough for browser + cache (~100MB)
	Browser	Modern browsers supported (Chrome v90+, Firefox v90+, Safari 13+ recommended)

Conclusion & Future Scope

Smart Recommendations

Use AI to personalize product suggestions based on user behavior.

Augmented Reality

Enable virtual try-on features to boost confidence and reduce returns.

Mobile Apps & Marketplace

Develop native apps and expand to a multi-vendor platform for broader reach.

Customer Engagement & Admin Tools

Introduce chatbots, and advanced analytics dashboards.

Inclusive Design

Add multilingual support and accessibility features for wider usability.

Fashion Hive combines modern technology and strategic foresight to deliver a scalable, secure, and user-friendly e-commerce platform ready to evolve with future retail trends.