



CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE, INDIA



H o m e H i v e

HOMEHIVE

DBMS PROJECT GROUP 06

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MISSION

CHRIST is a nurturing ground for an individual's holistic development to make effective contribution to the society in a dynamic environment

VISION

Excellence and Service

CORE VALUES

Faith in God | Moral Uprightness
Love of Fellow Beings
Social Responsibility | Pursuit of Excellence

CONTENT

1.ABOUT

2.OBJECTIVE

3.FUNCTIONALITY

4.EXISTING SYSTEM & LIMITATIONS

5.UI MODULES

- Admin Login
- User Login
- Home Page
- Categories
- Sub Categories
- Profile
- Cart
- Order

6.DATABASE

- Database Schema
- ER Diagram

HOMEHIVE

HomeHive emerges as an innovative and comprehensive online marketplace system for different household products that blends traditional e-commerce features with cutting-edge functionalities to deliver an unparalleled shopping experience. It stands out by seamlessly integrating unique features like cryptocurrency payments, shared carts, group buying, and offering a range of functionalities akin to established e-commerce platforms while adding its distinct touch.

KEY FEATURES

Cryptocurrency Payments:

HomeHive introduces cryptocurrency payments.
Allows secure and decentralized transactions.

Shared Carts:

Simplifies shopping with shared carts.
Enables collaborative curation for families or groups.

OBJECTIVE

Enhanced Shopping Experience:

HomeHive is committed to providing a user-centric interface, focusing on ease of navigation and a personalized shopping journey.

Diverse Product Spectrum:

The platform houses a vast array of products across multiple categories, catering to a wide range of consumer needs and preferences.

Pioneering Features:

HomeHive's distinguishing features include cryptocurrency payment integration, shared carts allowing collaborative shopping experiences.

FUNCTIONALITY

User Management:

Registration, login, and profile management.
Password security and authentication tokens.

Roles and Permissions:

Admin, seller, buyer roles.
Permissions based on roles.

Product Management:

Add, edit, delete products.
Categorization, attributes, variations.
Catalog management and bulk product upload.

Search and Filter:

Advanced search with filters (categories).

Shopping Cart:

Add/remove items, view cart, manage quantities.
Calculate totals and taxes.

Checkout Process:

Address validation, multiple payment options.
Order summary and confirmation.

Order Management:

Tracking order status updates.
Access to past order history.

Communication:

Messaging between buyers and sellers.
Notifications for order status and promotions.

EXISTING SYSTEM

Wayfair:

Online retailer for furniture, home decor, and household goods.

Wide product range for various styles and budgets.

Bed Bath & Beyond:

Both online and physical stores.

Specializes in home goods like bedding, kitchenware, and decor.

Amazon Home:

Part of Amazon marketplace.

Extensive selection of home goods, including furniture and appliances.

LIMITATIONS

Cryptocurrency Integration:

Technical complexity due to diverse APIs and security concerns.

Compliance challenges with evolving regulations.

Technology Integration:

Significant resources needed for integrating innovative features.

Time, expertise, and development effort required.

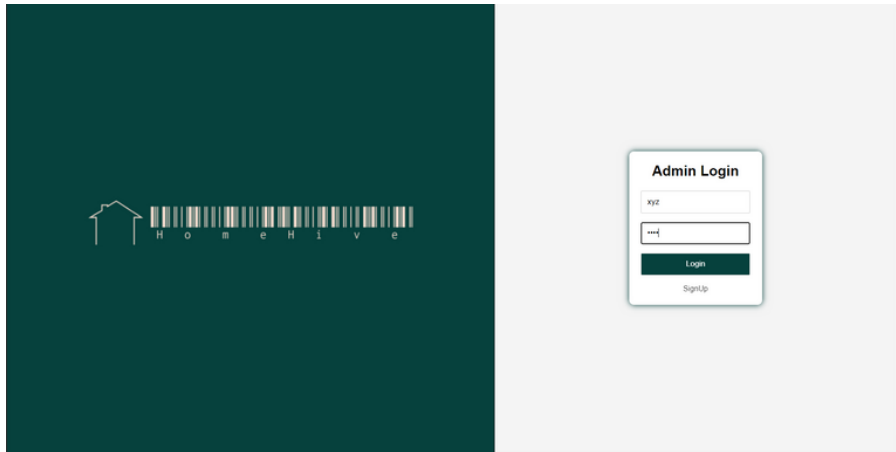
Market Competition:

Standing out in e-commerce needs unique value propositions.

Aggressive marketing essential to compete with established platforms.

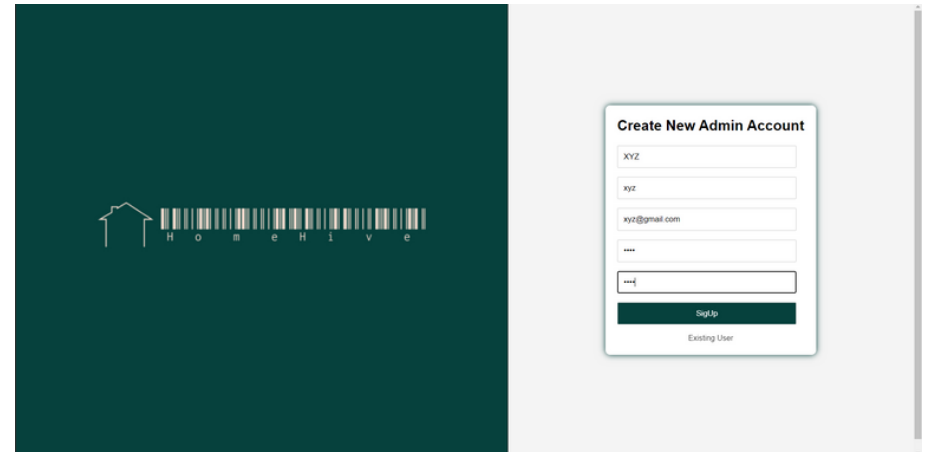
MODULES

Admin Login



EXISTING ADMIN LOGIN

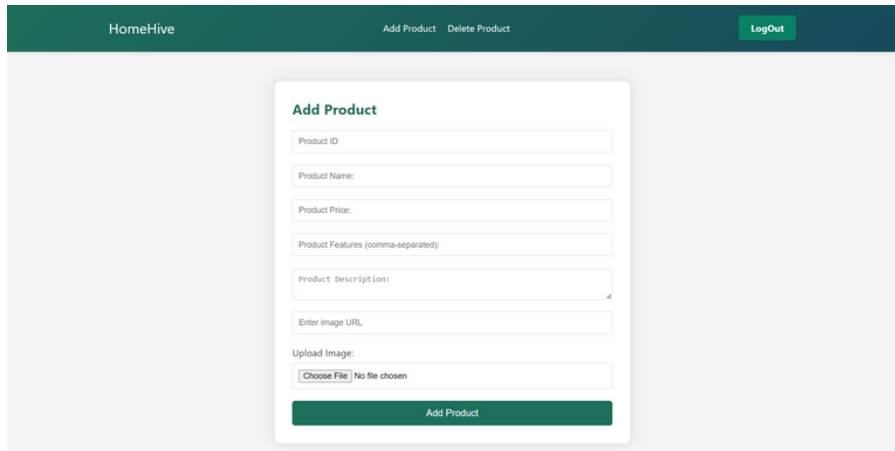
- Login using username and password
- Option to Create new Account



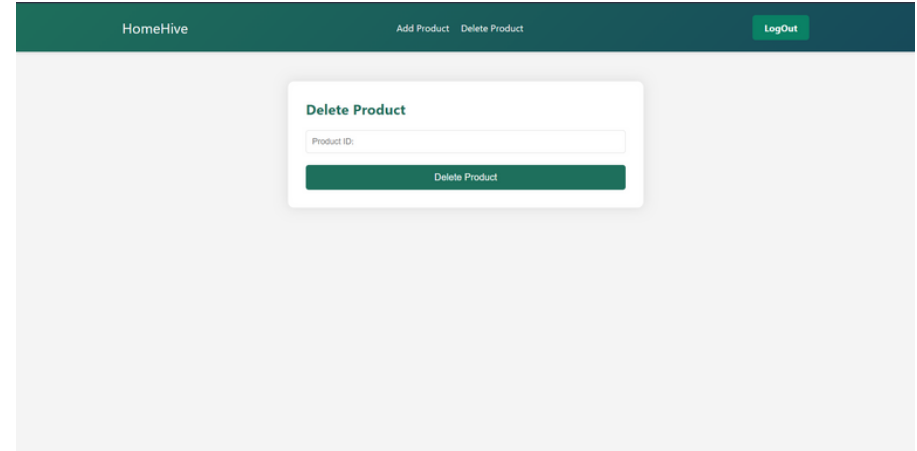
CREATE NEW USER ACCOUNT

- Create Username,
- Add email
- Create password
- Password confirmation

ADD PRODUCT and DELETE PRODUCT



The screenshot shows the 'Add Product' form within the HomeHive application. The form is titled 'Add Product' and contains several input fields: 'Product ID', 'Product Name', 'Product Price', 'Product Features (comma-separated)', 'Product Description', 'Enter image URL', and 'Upload Image'. The 'Upload Image' section includes a 'Choose File' button and a status 'No file chosen'. A green 'Add Product' button is at the bottom of the form. The application header shows 'HomeHive', 'Add Product', 'Delete Product', and a 'Logout' button.



The screenshot shows the 'Delete Product' form within the HomeHive application. The form is titled 'Delete Product' and contains a single input field for 'Product ID'. A green 'Delete Product' button is located below the input field. The application header is identical to the 'Add Product' form, showing 'HomeHive', 'Add Product', 'Delete Product', and a 'Logout' button.

Add/Delete product page
Accessible by the Admin after login

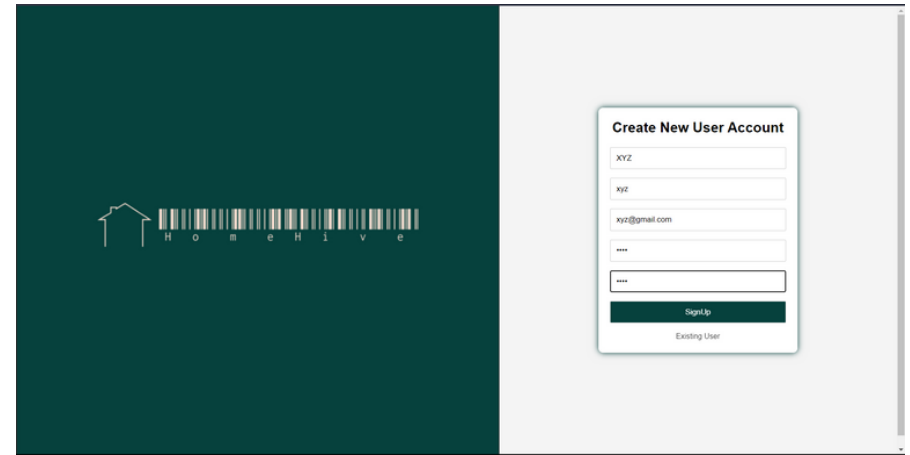
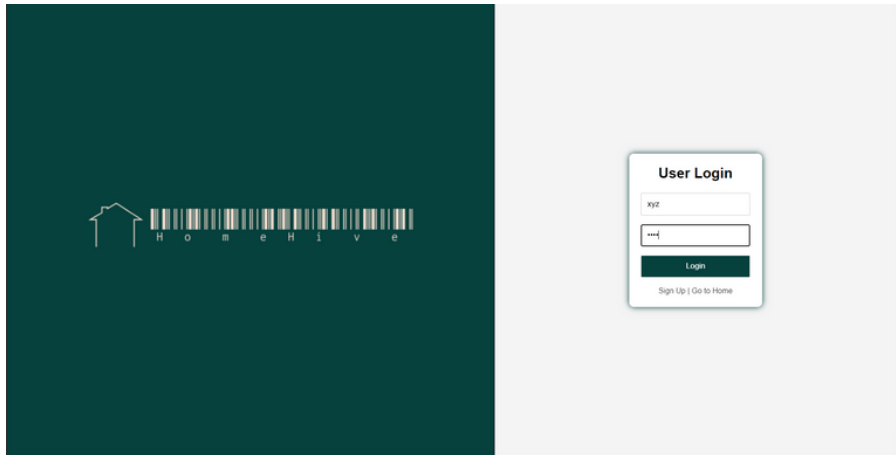
ADD PRODUCT:

- ID,
- NAME,
- FEATURES,
- DESCRIPTION,
- IMAGE URL

DELETE PRODUCT:

- Only ProductID is required to delete a product from the database.

USER LOGIN



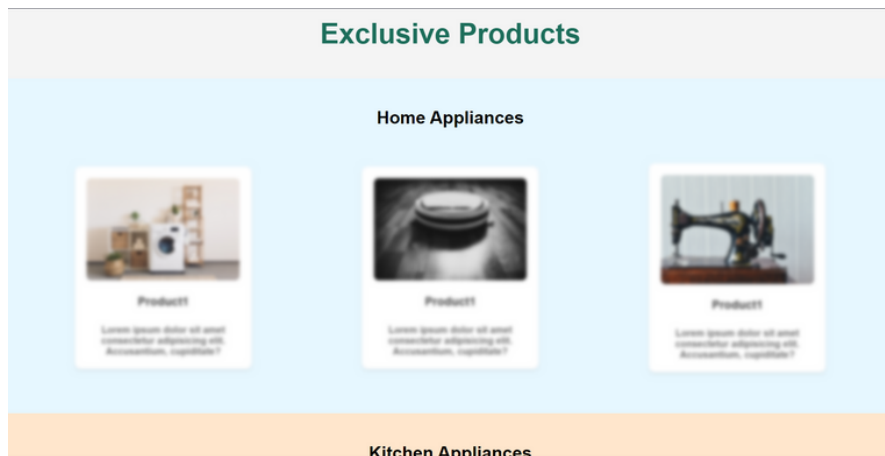
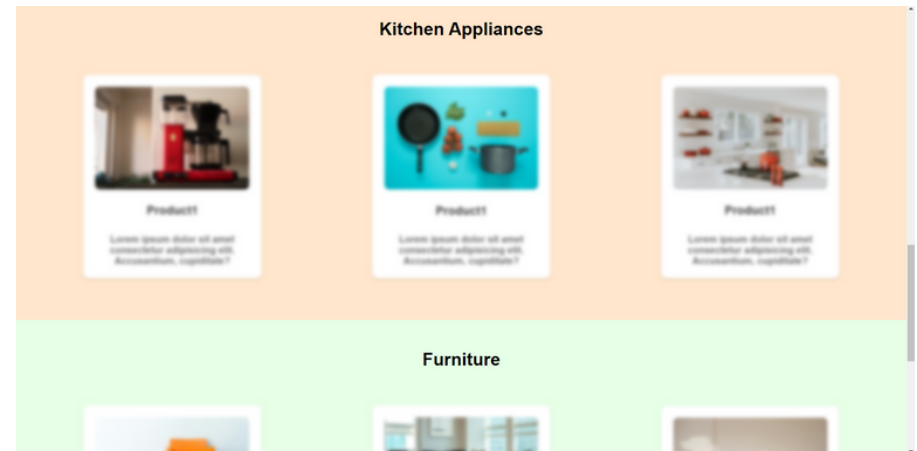
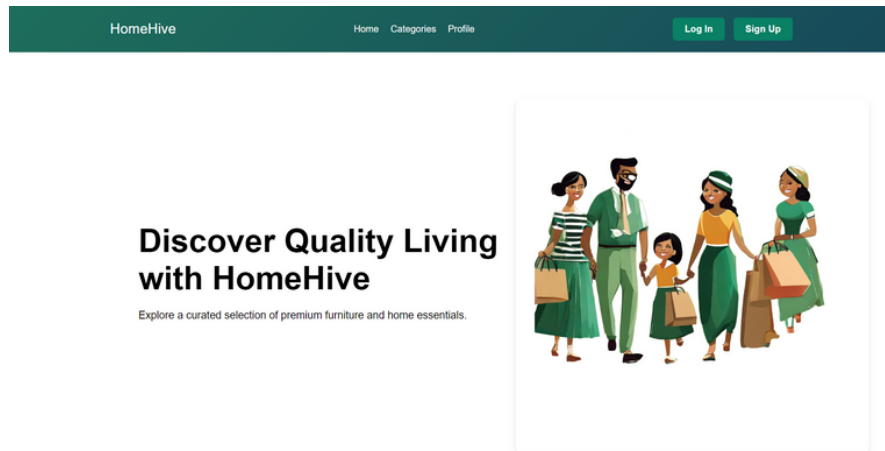
EXISTING USER LOGIN

- Login through username and password.
- Option to Create new account

CREATE NEW USER ACCOUNT

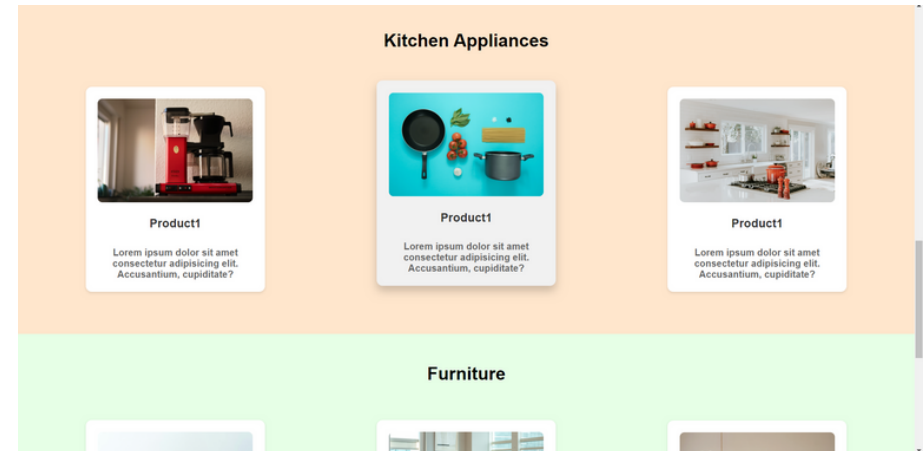
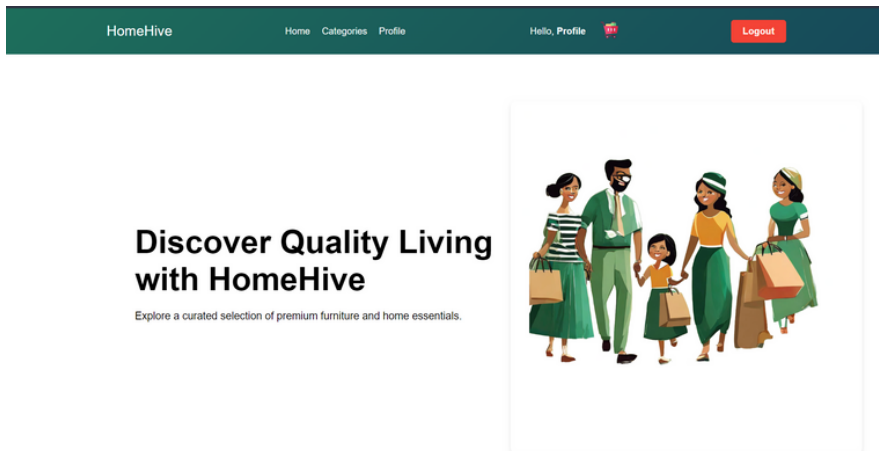
- Create Username,
- Add email
- Create password
- Password confirmation

HOME PAGE WHEN THE USER IS NOT LOGGED IN



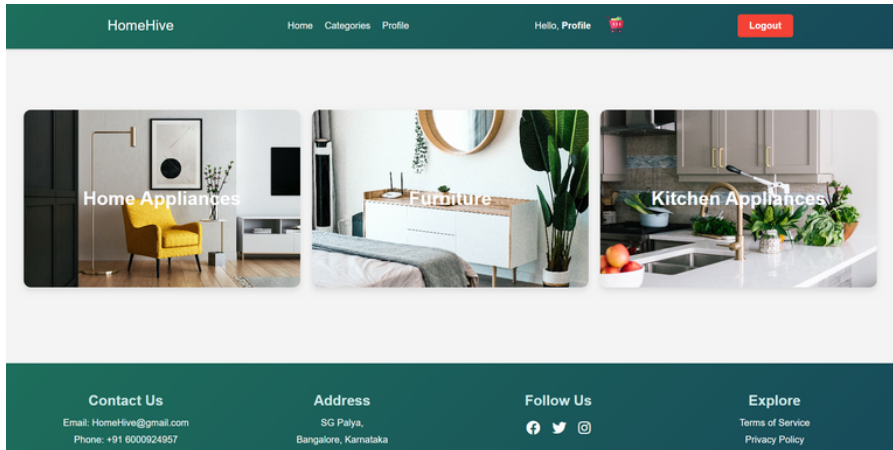
- Simple UI
- Features are not accesible
- User login is necessary to access features
- Features are Blured
- Option to login or sign up

HOME PAGE WHEN THE USER IS LOGGED IN



- Simple UI
- Easy to use
- Minimalistic
- Interesting
- 3 Exclusive products in each category

CATEGORIES

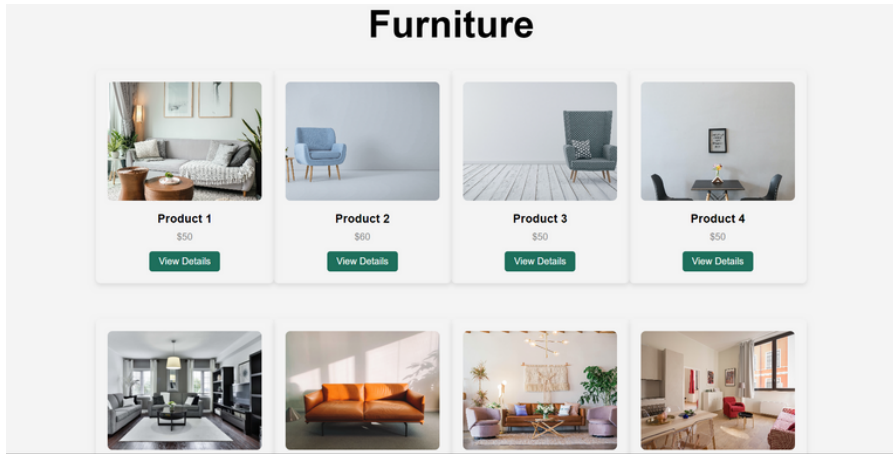


Furniture



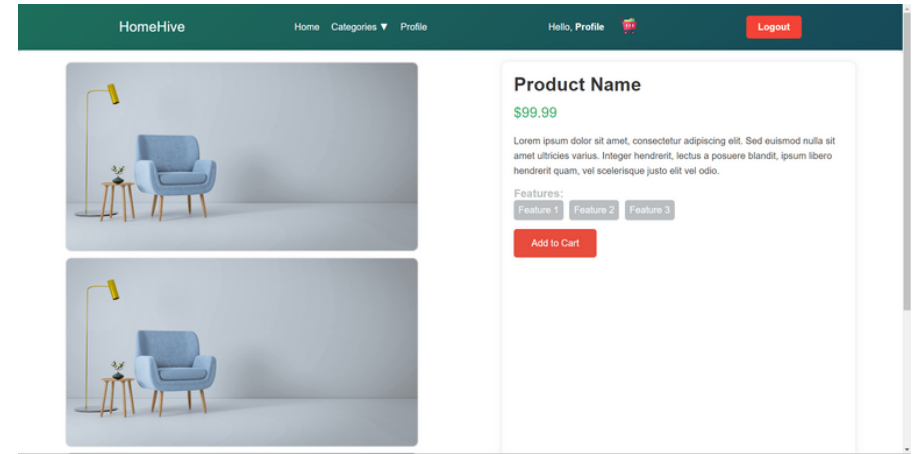
- Browse through available categories
- Available Categories: Home Appliances, Furniture, Kitchen Appliances
- Each category links to a different page, with related products
- Category page contains: Product listings, Image and Price.

PRODUCTS



PRODUCT LISTINGS

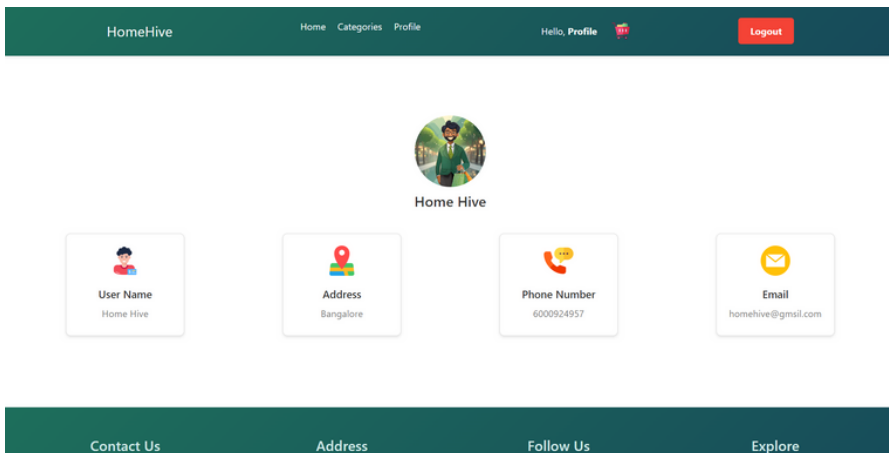
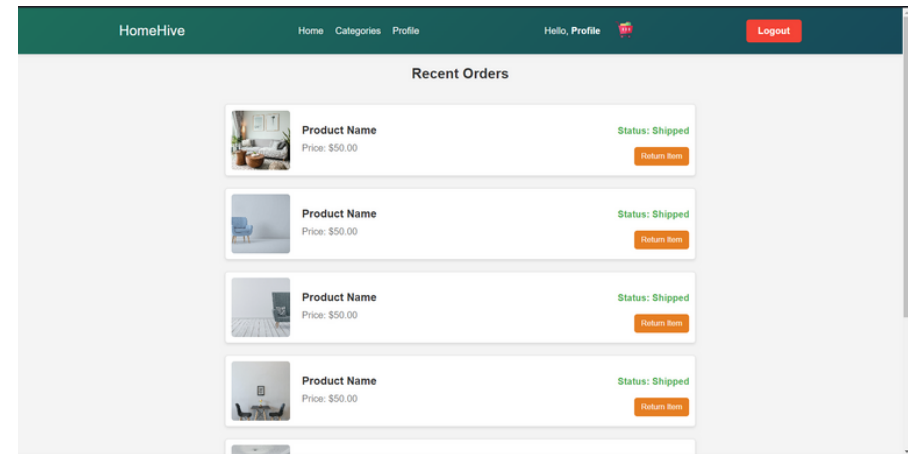
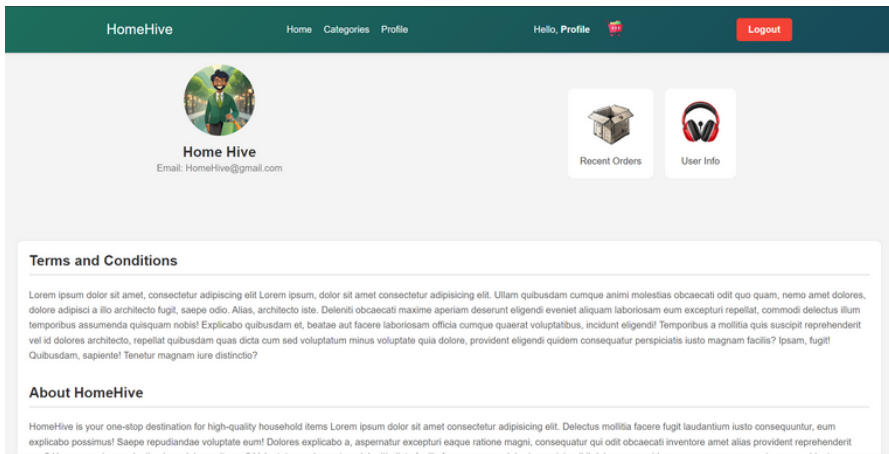
- Variety of Products
- Browse through Products



PRODUCT PAGE

- Product Name
- Product Details
- Features
- Price
- Add To Cart
- Quantity

Profile and Sub Profile



PROFILE

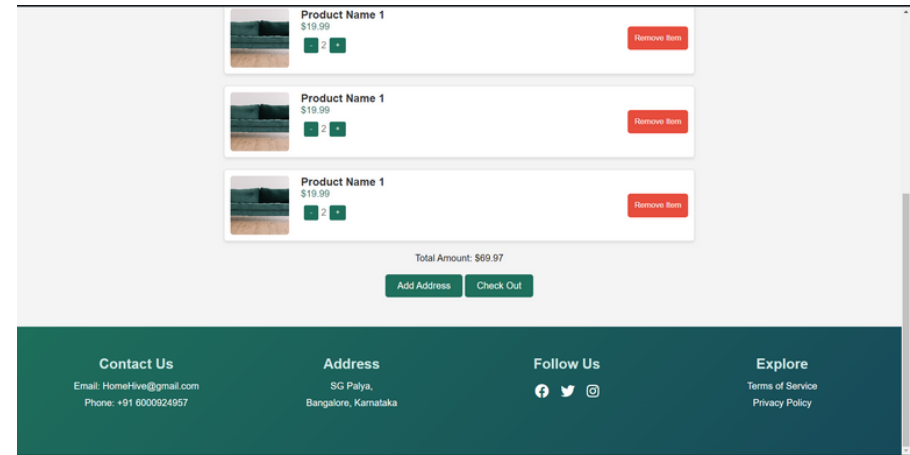
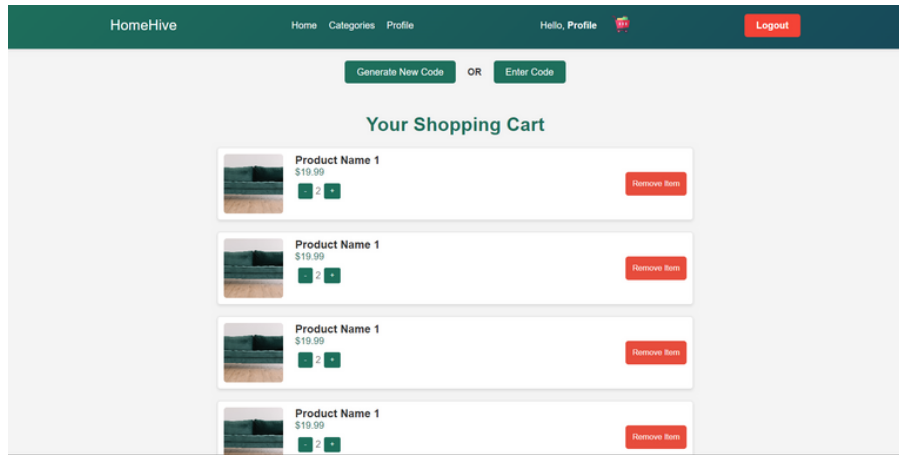
1. RECENT ORDERS

- Products, Date ordered, Return option.

2. CONTACT US

- Contains contact information
- HomeHive email
- Phone number

SHOPPING CART



SHOPPING CART

- Generate Code
- Enter Code
- List of products
- Add Address
- Checkout

ORDER

The screenshot shows a web application interface for 'HomeHive'. At the top, there is a dark green header with the 'HomeHive' logo, navigation links for 'Home', 'Categories', and 'Profile', a user greeting 'Hello, Profile' with a profile icon, and a red 'Logout' button. The main content area is light gray and features a dark green modal box titled 'Enter Your Address'. This modal contains six input fields: 'Enter Flat No. Building Name', 'Enter Street Name, Locality Name', 'Enter City', 'Enter State', 'Enter Postal Code', and 'Enter Country'. A green 'Submit' button is located at the bottom of the modal.

ADD ADDRESS

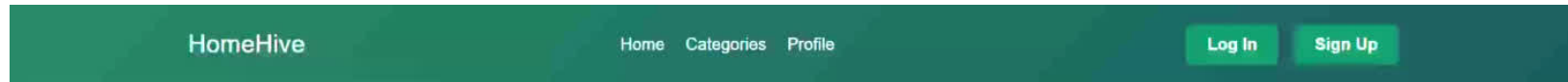
- Address line 1
- Address line 2
- City
- State
- Postal Code
- Country

The screenshot shows the 'Select Payment Method' screen in the 'HomeHive' application. The header is identical to the previous screen. The main content area is light gray and features a dark green modal box. At the top of the modal, there is a 'Cart Total' section showing 'Total: \$100'. Below this is the 'Select Payment Method' section, which lists four options: 'Cash on Delivery' (with a green coin icon), 'Pay through UPI' (with a UPI icon), 'Pay through Cryptocurrency' (with a Bitcoin icon), and 'Pay through Card' (with a credit card icon). A green 'Complete Payment' button is at the bottom of the modal.

PAYMENT MODE

- Cart Total
- Cash on Delivery
- UPI
- Cryptocurrency
- Cards

HOW TO PLACE AN ORDER



Discover Quality Living with HomeHive

Explore a curated selection of premium furniture and home essentials.



DATABASE

DATABASE

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	
user_name	varchar(255)	NO		NULL	
user_username	varchar(255)	NO	UNI	NULL	
user_email	varchar(255)	NO	UNI	NULL	
user_password	varchar(255)	NO		NULL	
created_at	timestamp	YES		NULL	
last_login	timestamp	YES		NULL	

USER LOGIN

Field	Type	Null	Key	Default	Extra
admin_id	int	NO	PRI	NULL	
admin_name	varchar(255)	NO		NULL	
admin_username	varchar(255)	NO	UNI	NULL	
admin_email	varchar(255)	NO	UNI	NULL	
admin_password	varchar(255)	NO		NULL	
created_at	timestamp	YES		NULL	
last_login	timestamp	YES		NULL	

ADMIN LOGIN

Field	Type	Null	Key	Default	Extra
user_id	int	NO	MUL	NULL	
address_line1	varchar(255)	NO		NULL	
address_line2	varchar(255)	YES		NULL	
postal_code	int	NO		NULL	
city	varchar(255)	NO		NULL	
state	varchar(255)	NO		NULL	
country	varchar(255)	NO		NULL	
mobile_number	varchar(255)	NO	PRI	NULL	

USER ADDRESS

DATABASE

Field	Type	Null	Key	Default	Extra
product_id	int	NO	PRI	NULL	
category_id	int	YES	MUL	NULL	
product_name	varchar(255)	NO		NULL	
product_price	varchar(255)	NO		NULL	
product_description	varchar(255)	NO		NULL	
product_features	varchar(255)	NO		NULL	
product_image_url	varchar(255)	NO		NULL	

PRODUCT

Field	Type	Null	Key	Default	Extra
category_id	int	NO	PRI	NULL	
category_name	varchar(255)	NO		NULL	
category_description	varchar(255)	NO		NULL	

PRODUCT CATEGORY

Field	Type	Null	Key	Default	Extra
product_id	int	YES	MUL	NULL	
product_quantity	int	NO		NULL	
last_modified	timestamp	YES		NULL	

PRODUCT INVETORY

DATABASE

Field	Type	Null	Key	Default	Extra
cart_id	int	NO	PRI	NULL	
user_id	int	YES	MUL	NULL	
payment_id	int	YES	MUL	NULL	
cart_code	int	NO	UNI	NULL	
cart_total	int	NO		NULL	
created_at	timestamp	YES		NULL	
last_modified	timestamp	YES		NULL	

CART

Field	Type	Null	Key	Default	Extra
cart_id	int	NO	MUL	NULL	
item_id	int	NO	MUL	NULL	
quantity	int	NO		NULL	
created_at	timestamp	YES		NULL	

CART ITEMS

Field	Type	Null	Key	Default	Extra
return_id	int	NO	PRI	NULL	
order_id	int	NO	MUL	NULL	
user_id	int	NO	MUL	NULL	
upi_id	varchar(255)	NO		NULL	
return_date	timestamp	YES		NULL	

RETURN

DATABASE

Field	Type	Null	Key	Default	Extra
payment_id	int	NO	PRI	NULL	
order_id	int	NO	MUL	NULL	
amount	int	NO		NULL	
payment_time	timestamp	YES		NULL	
payment_mode	enum('card','cash','upi','cryptocurrency')	NO		NULL	

PAYMENT

Field	Type	Null	Key	Default	Extra
order_id	int	NO	PRI	NULL	
cart_id	int	NO	MUL	NULL	
user_id	int	NO	MUL	NULL	
placed_at	timestamp	YES		NULL	
order_status	enum('order_placed','shipped','delivered')	YES		order_placed	

ORDER

ENTITY-RELATION DIAGRAM

