



CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE, INDIA



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

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- User Login
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9.DATABASE

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HOMEHIVE

- HomeHive is an innovative online marketplace for household products.
- Combines traditional e-commerce features with cutting-edge functionalities.
- Prioritizes delivering an unparalleled shopping experience.
- Blends familiarity with uniqueness, setting it apart from traditional platforms.

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.

Shared Cart:

Users can collaborate by sharing shopping carts, perfect for families, roommates, or groups planning purchases together.

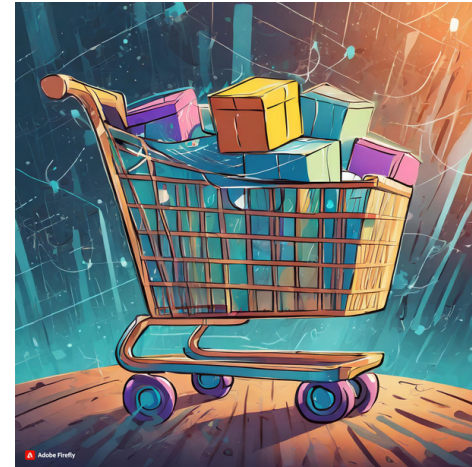
KEY FEATURES



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

- To provide a user-centric interface, focusing on ease of navigation and a personalized shopping journey.
- To provide a platform that is home to a vast array of products across multiple categories, catering to a wide range of consumer needs and preferences.
- To develop distinguishing features include cryptocurrency payment integration, shared carts allowing collaborative shopping experiences.

REQUIREMENT ANALYSIS

HARDWARE REQUIREMENTS

- OS: Windows 10 or above
- Processor: Core 2 Duo
- Memory: 4 GB RAM
- Storage: 1 GB available space

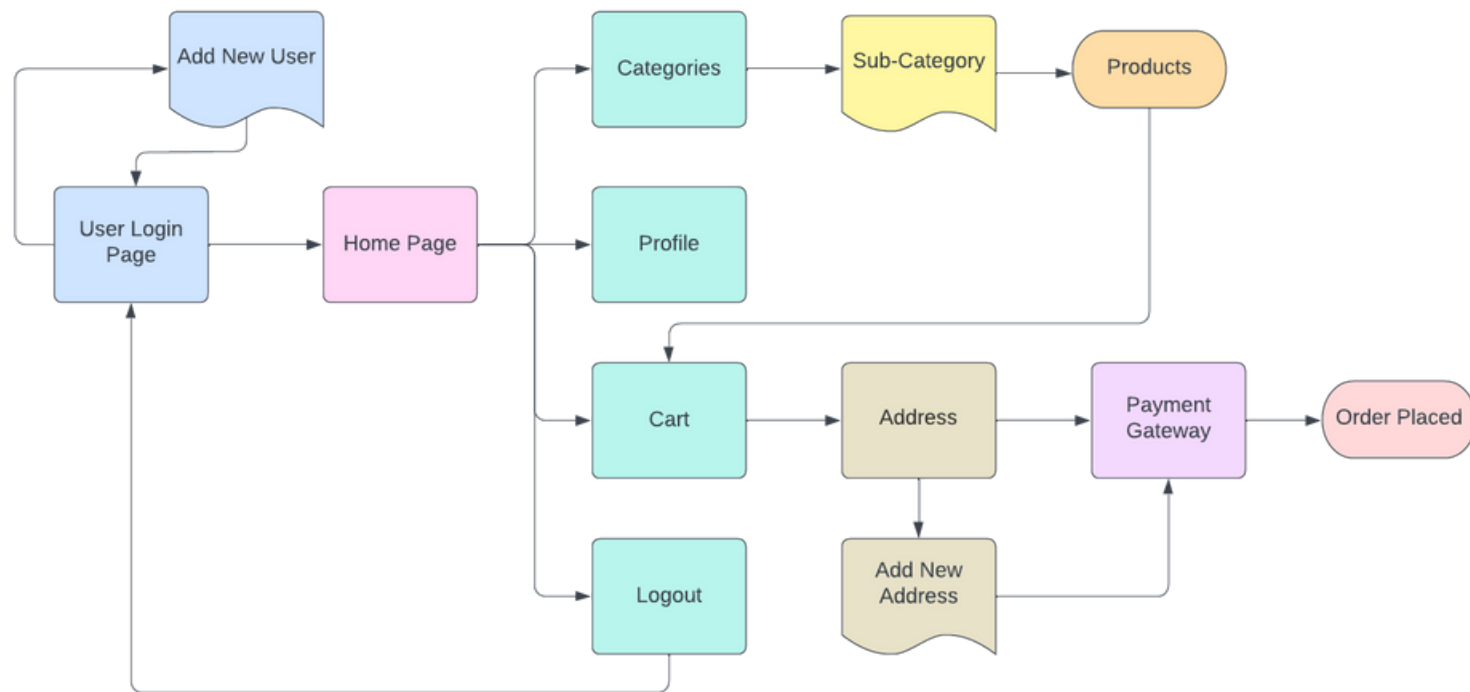
SOFTWARE REQUIREMENTS

- Operating System: Windows 7 or later
- Front End: HTML /CSS / JavaScript
- Back End: MySQL/Node.js

NETWORK REQUIREMENTS

- Network: Google Chrome / Mozilla/ Brave or equivalent
- WIFI: Internet Required.

DATA FLOW DIAGRAM

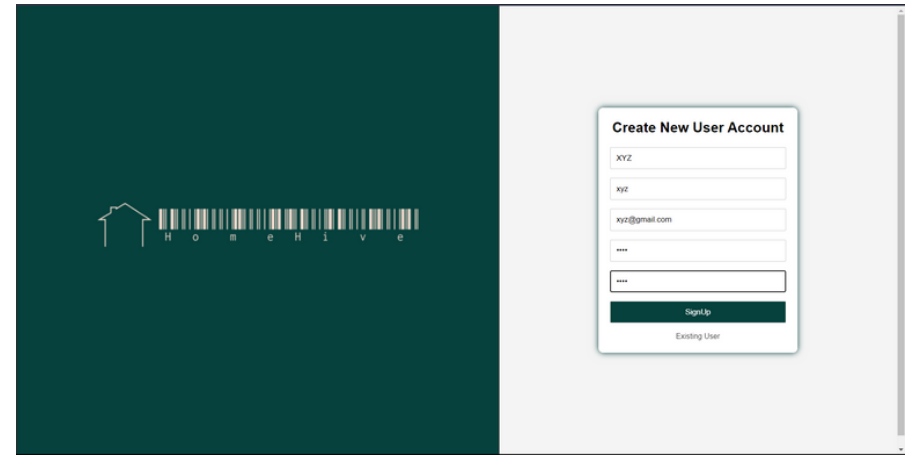
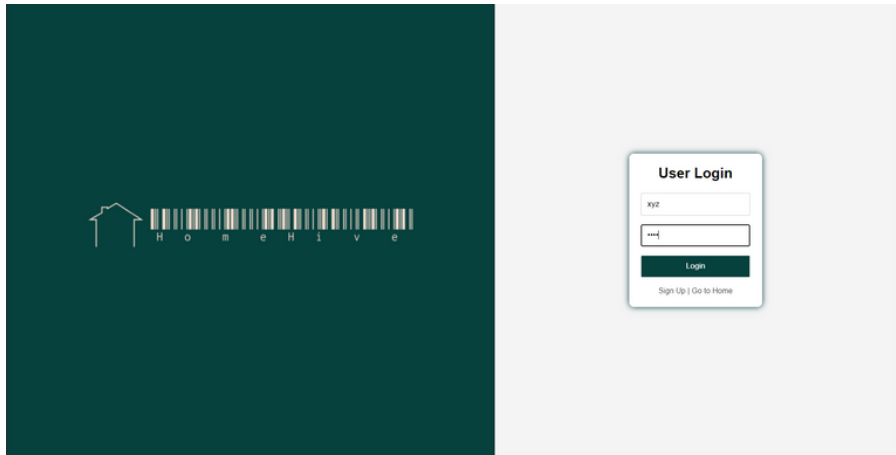


FUNCTIONALITY

- User Management
- Roles and Permissions
- Product Management
- Search and Filter
- Shopping Cart
- Checkout Process
- Order Management
- Communication

USER AUTHENTICATION AND MANAGEMENT

USER LOGIN



EXISTING USER LOGIN

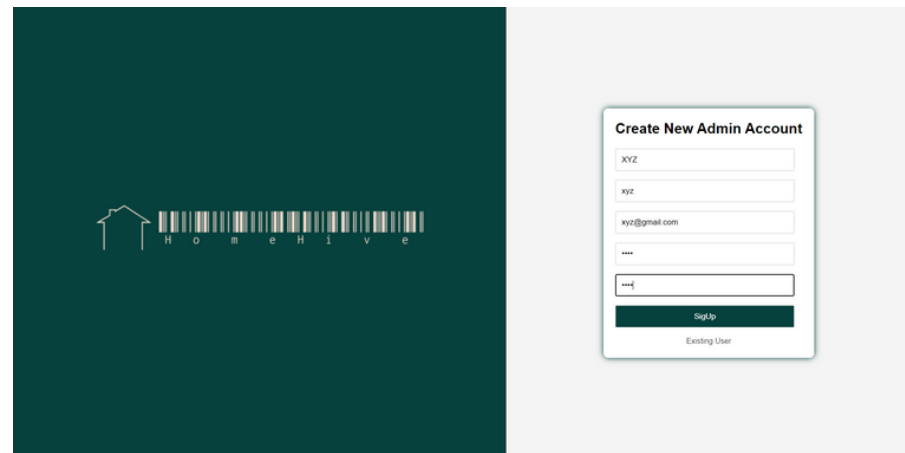
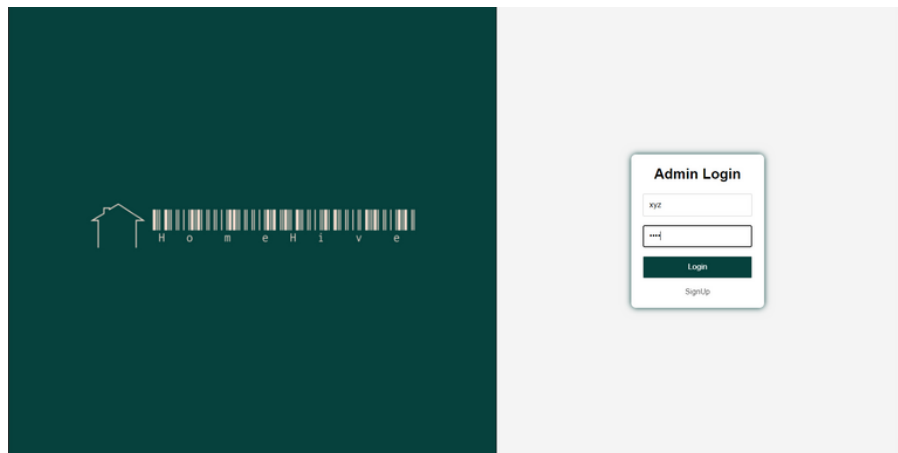
- Login through username and password.
- Option to Create new account

CREATE NEW USER ACCOUNT

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

ADMIN PANEL

ADMIN LOGIN



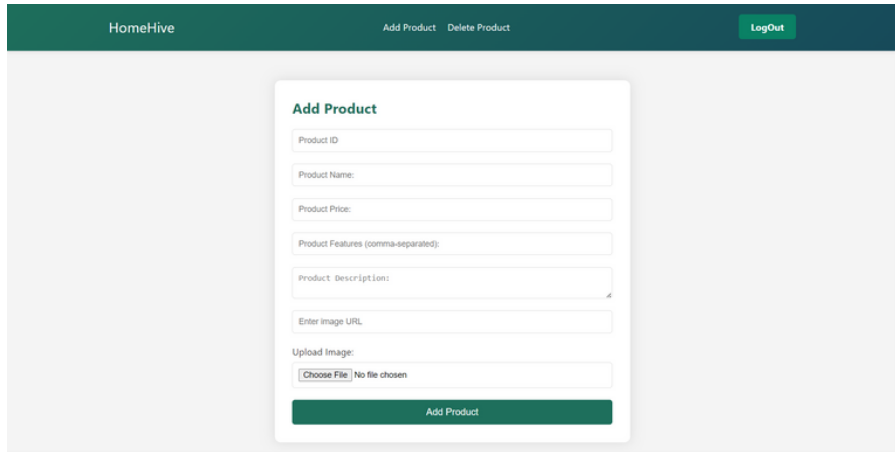
EXISTING ADMIN LOGIN

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

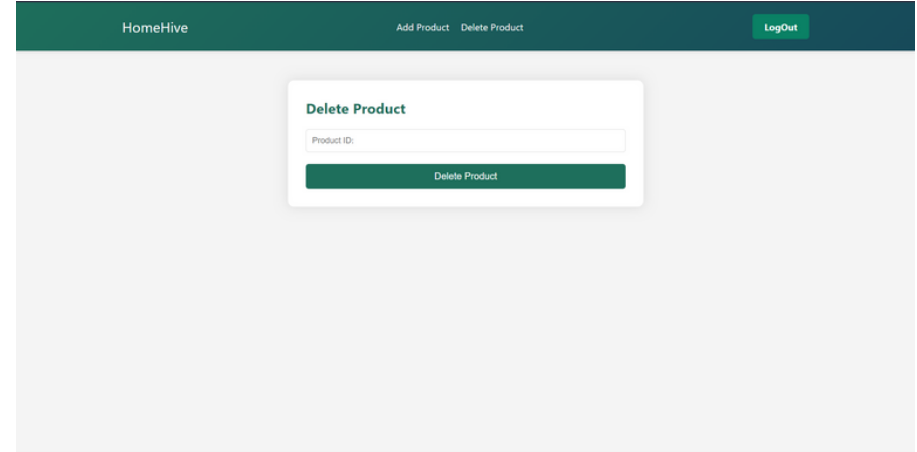
CREATE NEW ADMIN ACCOUNT

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

ADD PRODUCT AND DELETE PRODUCT



The screenshot shows the 'Add Product' form in 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 in the HomeHive application. The form is titled 'Delete Product' and contains a single input field for 'Product ID'. A green 'Delete Product' button is at the bottom of the form. The application header shows 'HomeHive', 'Add Product', 'Delete Product', and a 'Logout' button.

Add/Delete product page
Accesible by the Admin after login

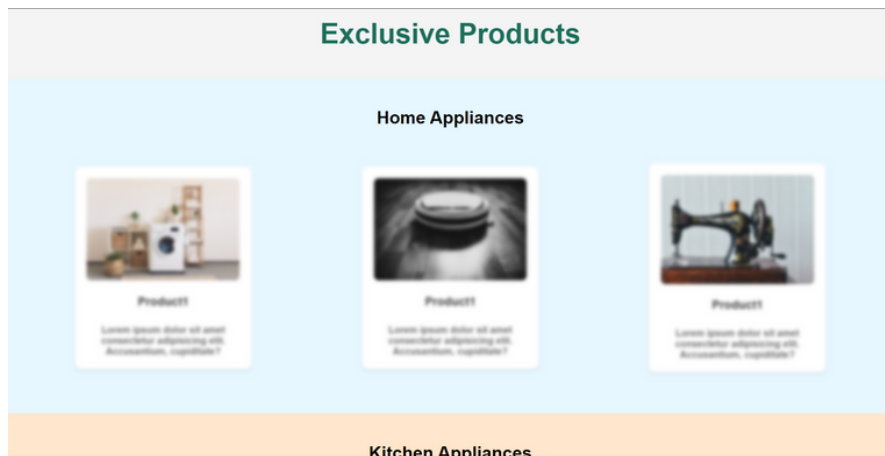
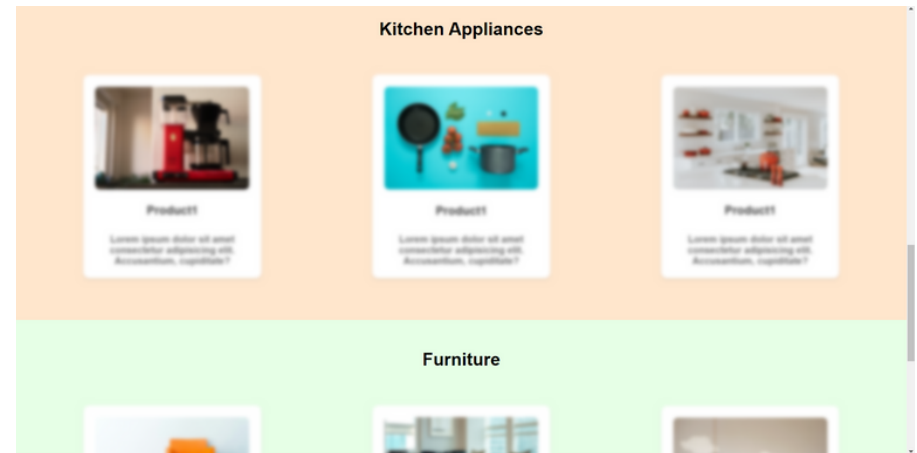
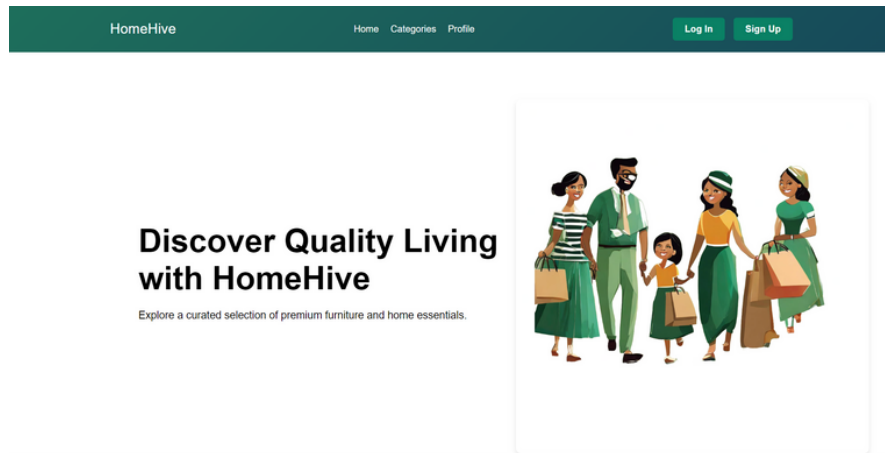
ADD PRODUCT:

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

DELETE PRODUCT:

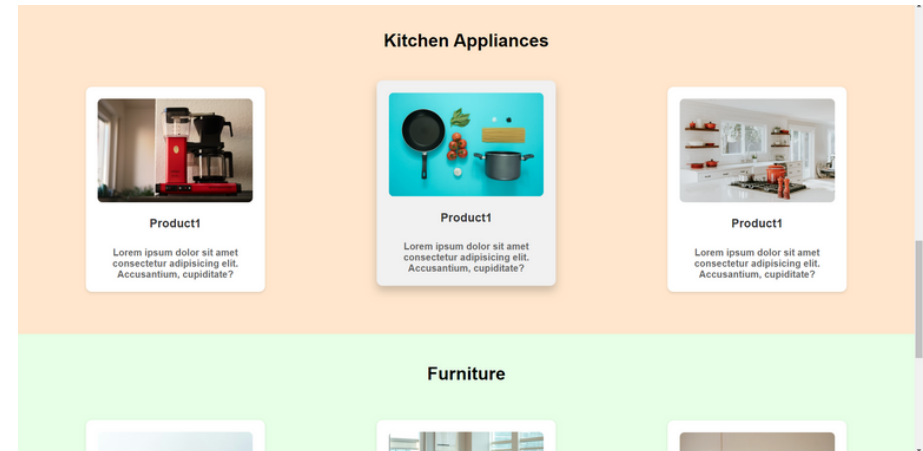
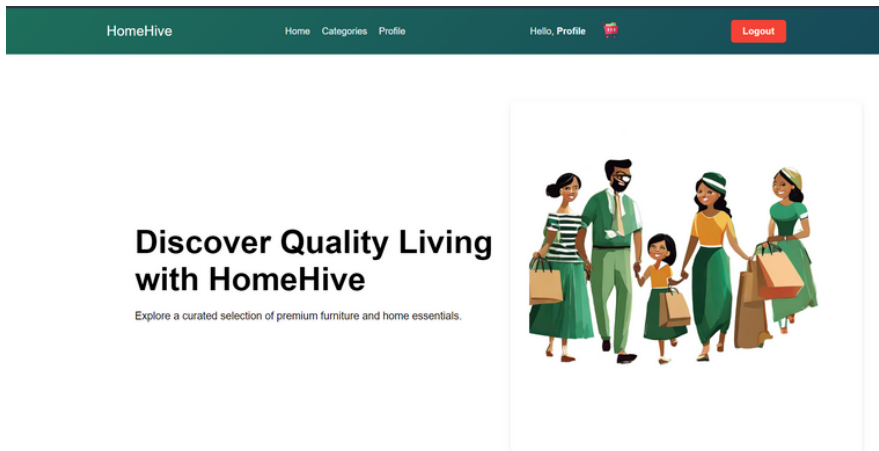
- Only ProductID is required to delete a product from the database.

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

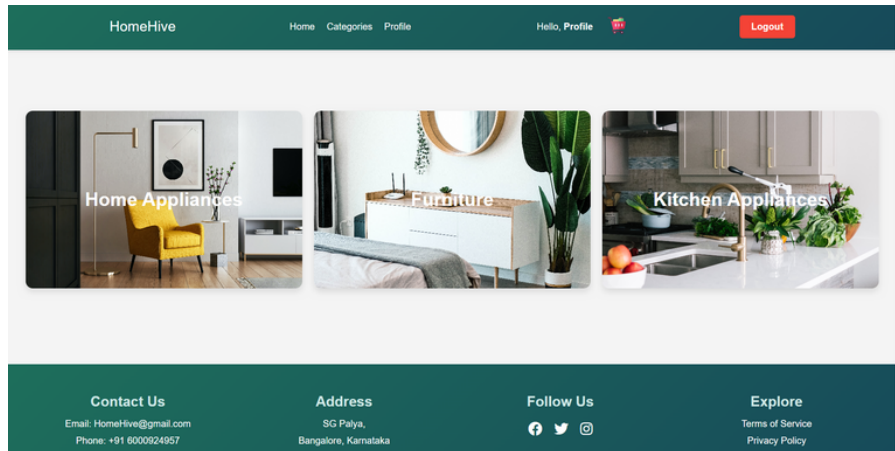
HOME PAGE WHEN THE USER IS LOGGED IN



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

PRODUCT MANAGEMENT

CATEGORIES

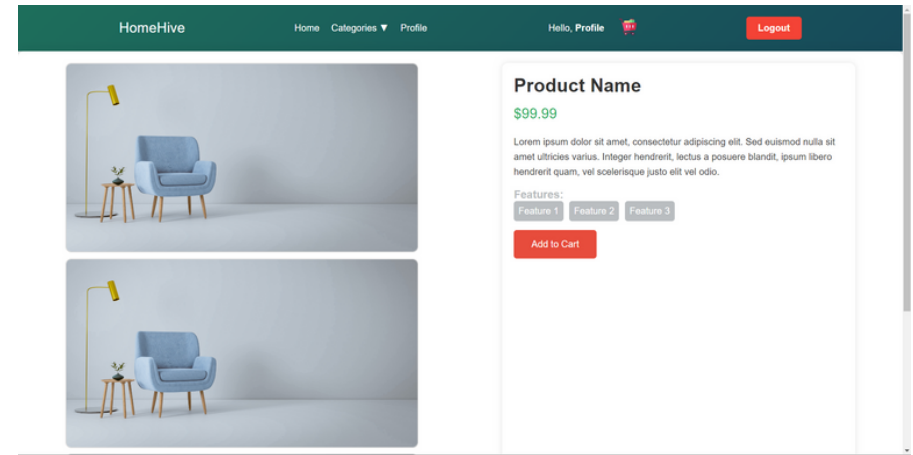
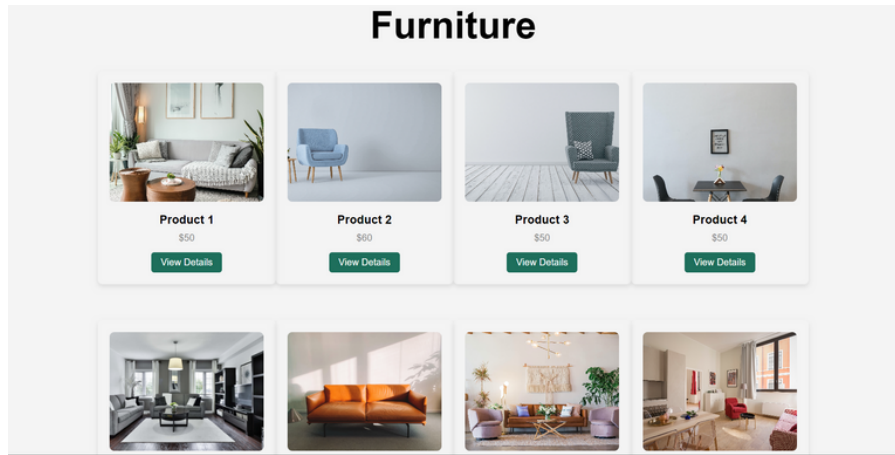


Furniture



- 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

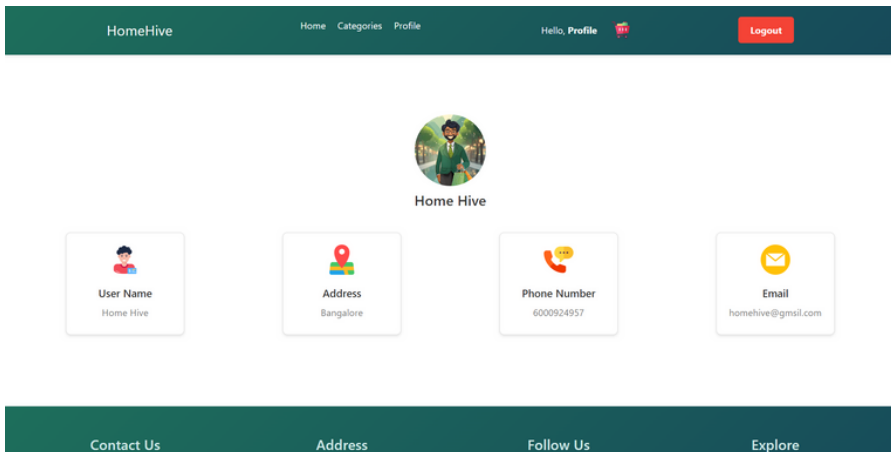
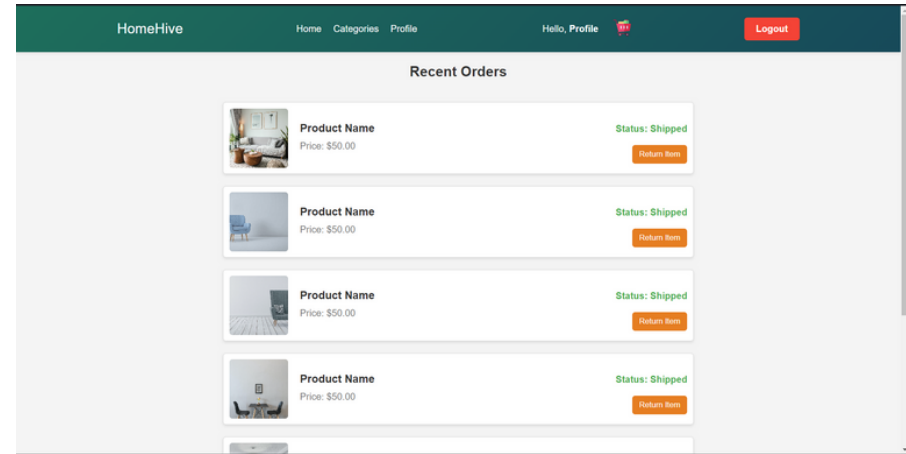
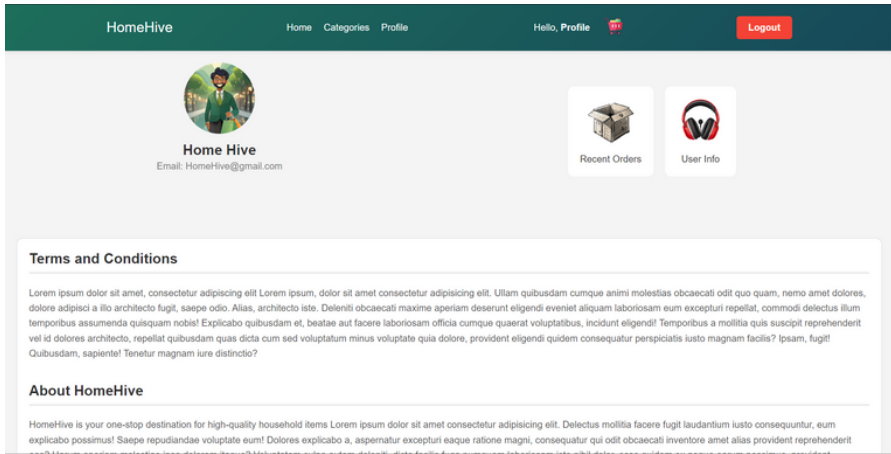
- Variety of Products
- Browse through Products

PRODUCT PAGE

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

PROFILE MODULE

PROFILE AND SUB-PROFILE



PROFILE

1. RECENT ORDERS

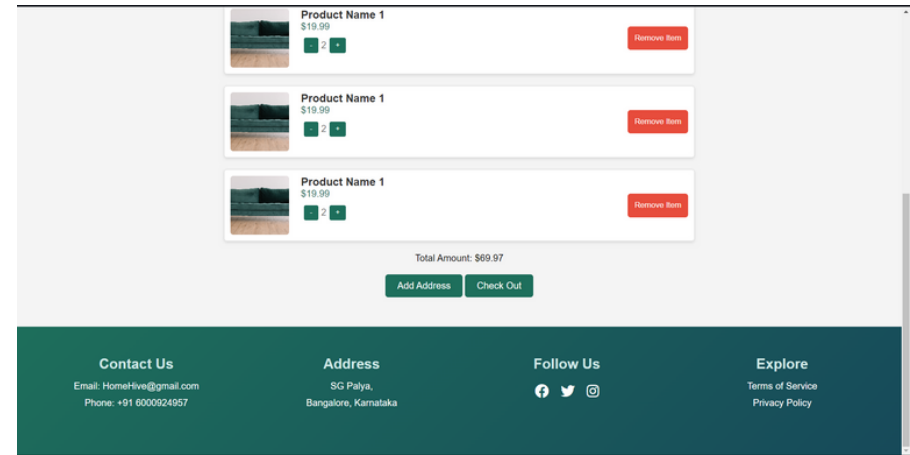
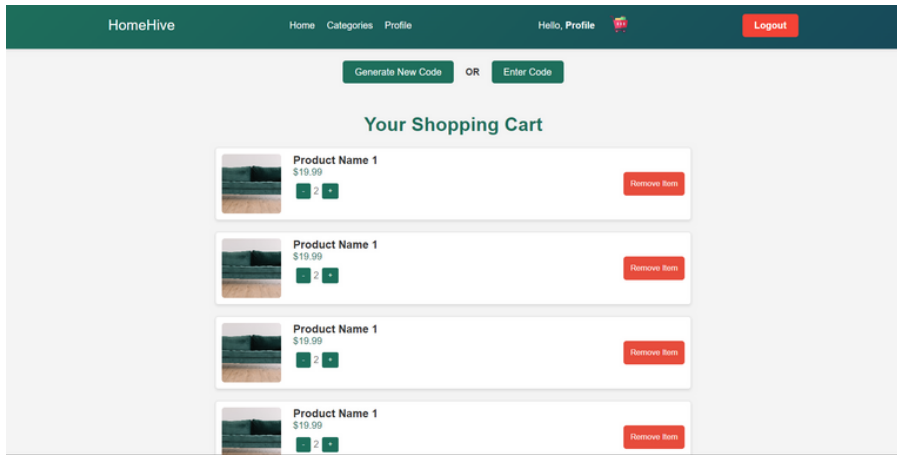
- Products, Date ordered, Return option.

2. CONTACT US

- Contains contact information
- HomeHive email
- Phone number

SHOPPING CART AND ORDER PROCESSING

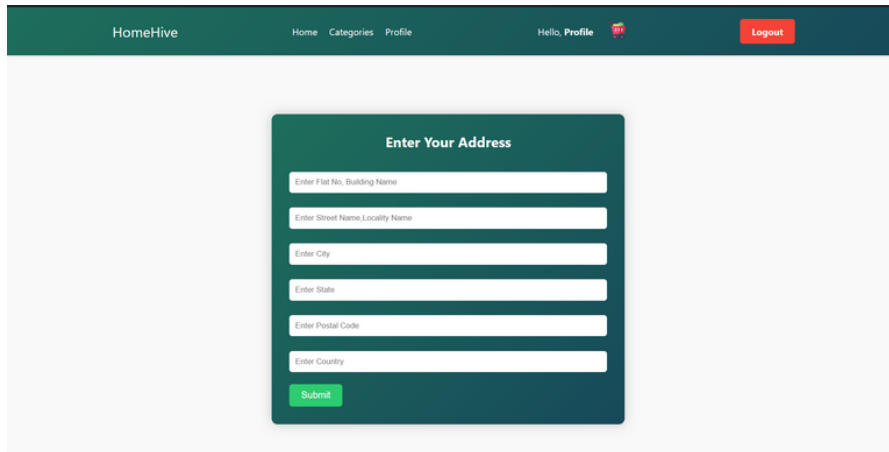
SHOPPING CART



SHOPPING CART

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

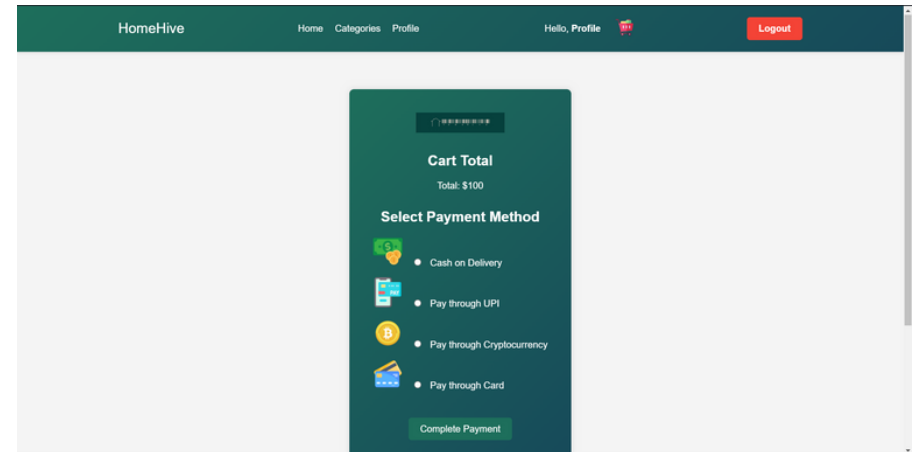
ORDER



The screenshot shows the 'Enter Your Address' form in the HomeHive app. The form is a dark green card with white text and input fields. It contains the following 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 at the bottom of the card. The app's header is visible at the top, showing 'HomeHive', navigation links, and a 'Logout' button.

ADD ADDRESS

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



The screenshot shows the 'Select Payment Method' screen in the HomeHive app. It features a dark green card with white text. At the top, it says 'Cart Total' and 'Total: \$100'. Below this, it says 'Select Payment Method'. There are four payment options, each with an icon and a radio button: 'Cash on Delivery' (dollar sign icon), 'Pay through UPI' (UPI icon), 'Pay through Cryptocurrency' (Bitcoin icon), and 'Pay through Card' (credit card icon). A green 'Complete Payment' button is at the bottom of the card. The app's header is visible at the top, showing 'HomeHive', navigation links, and a 'Logout' button.

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

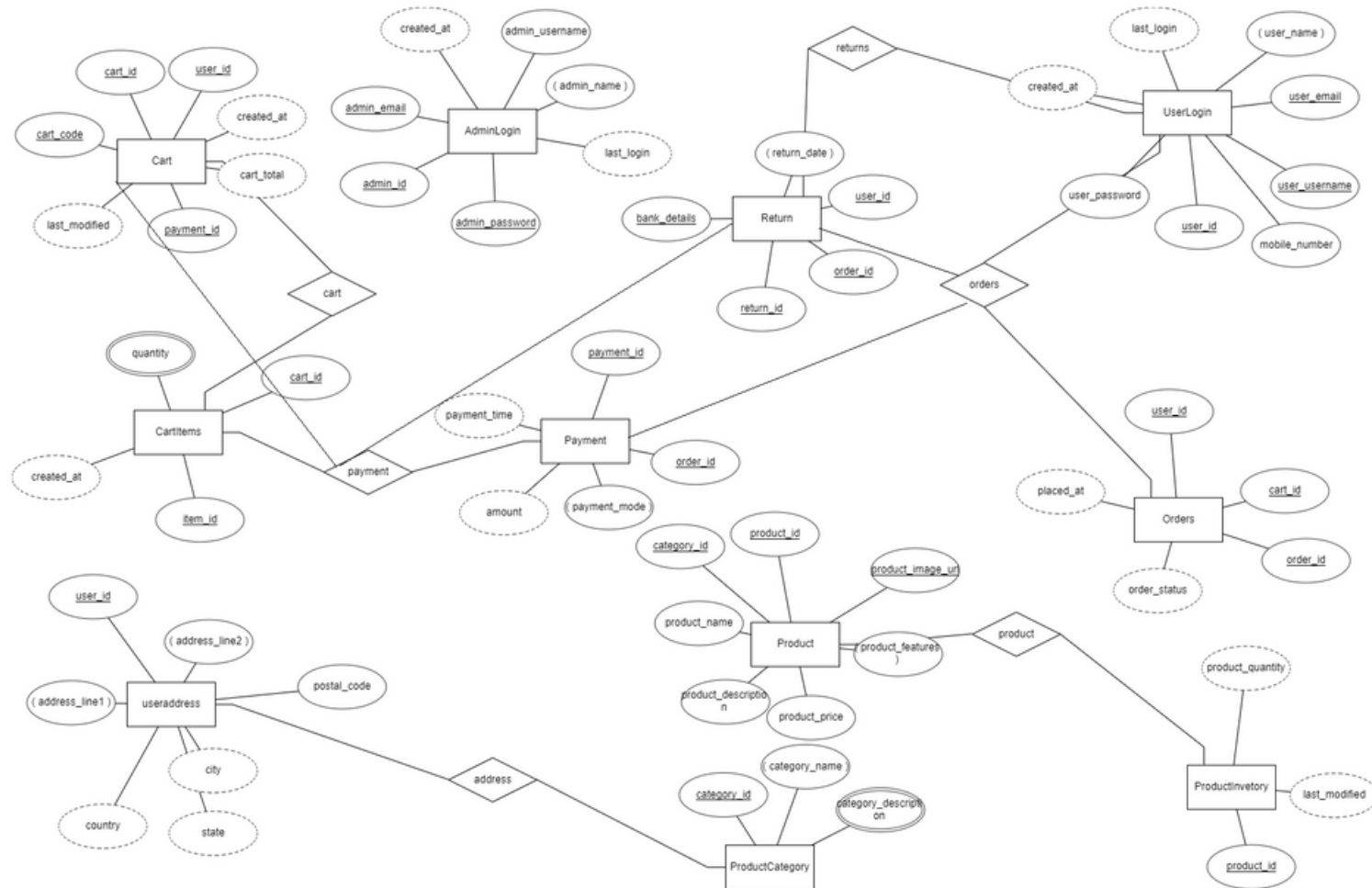
Field	Type	Null	Key	Default	Extra
payment_id	int	NO	PRI	NULL	
order_id	int	NO	MUL	NULL	
amount	int	NO		NULL	
payment_time	timestamp	YES		NULL	
payment_mode	enum('card','cash','upi','cryptocurrency')	NO		NULL	

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



THANK YOU

TIMELINE

