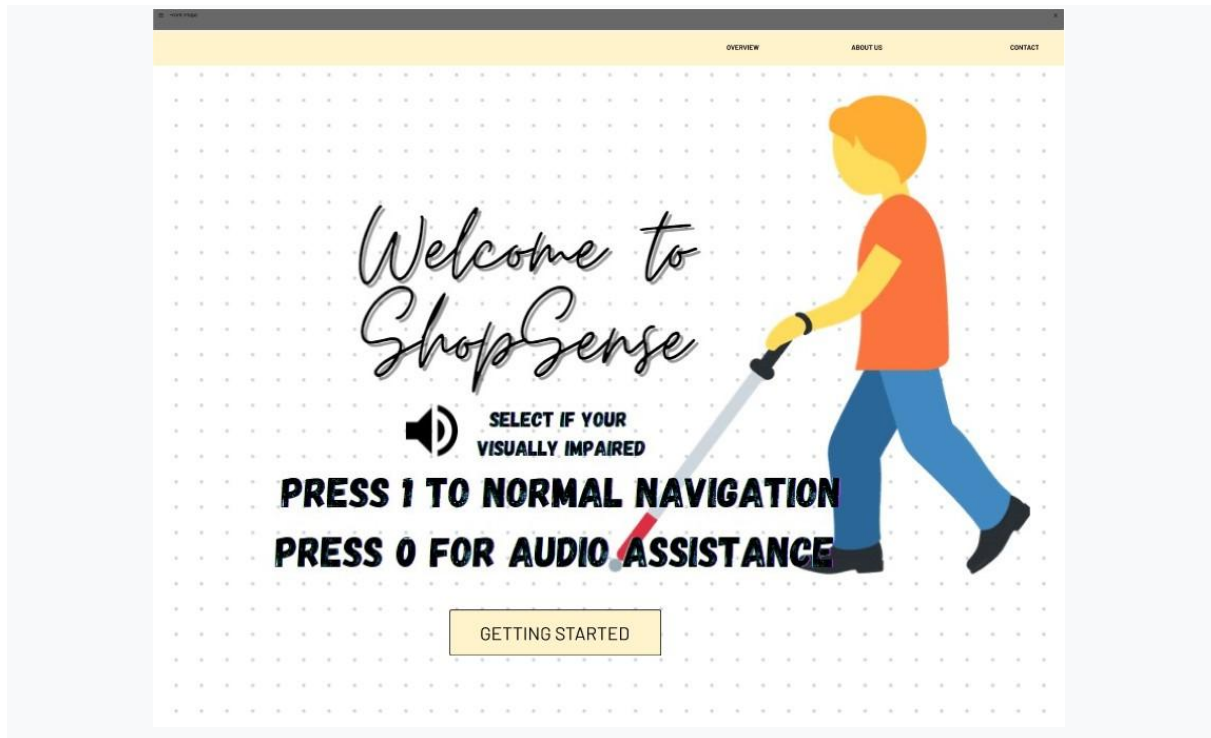


DESIGN DOCUMENT

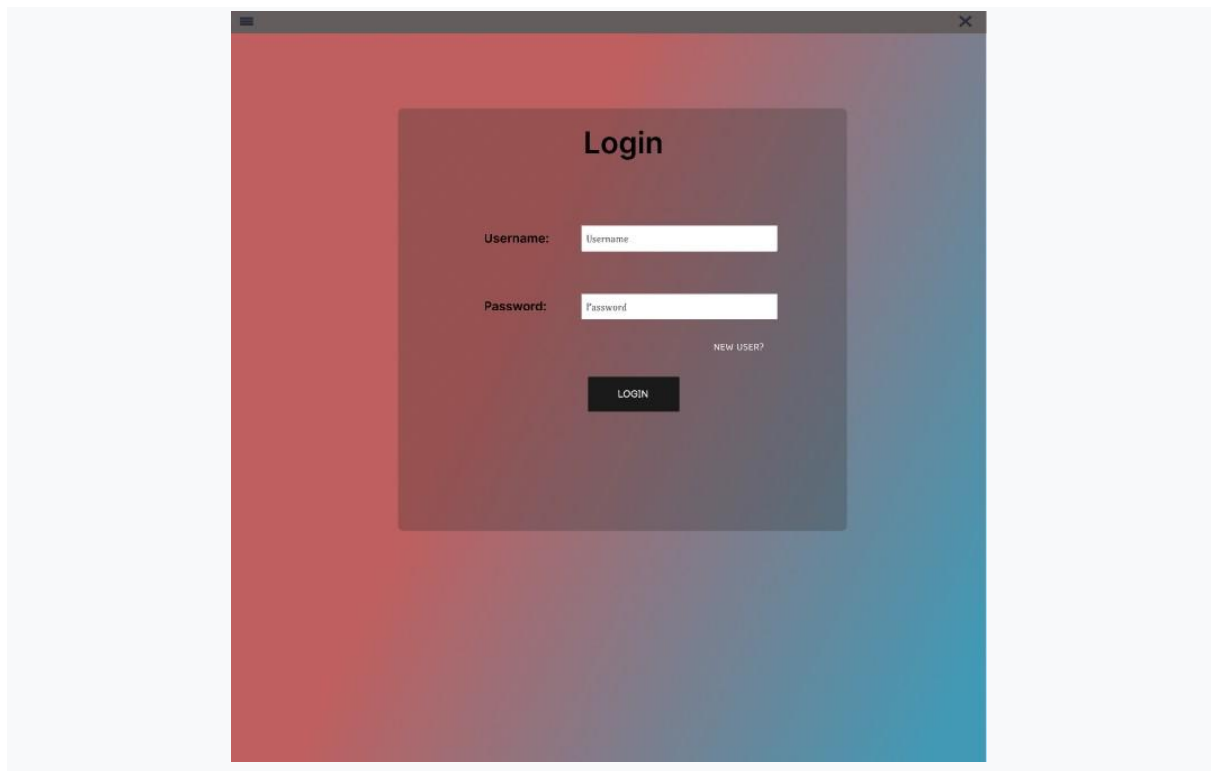
By Abhin and Sona

**-E-commerce website
For visually impaired
People**

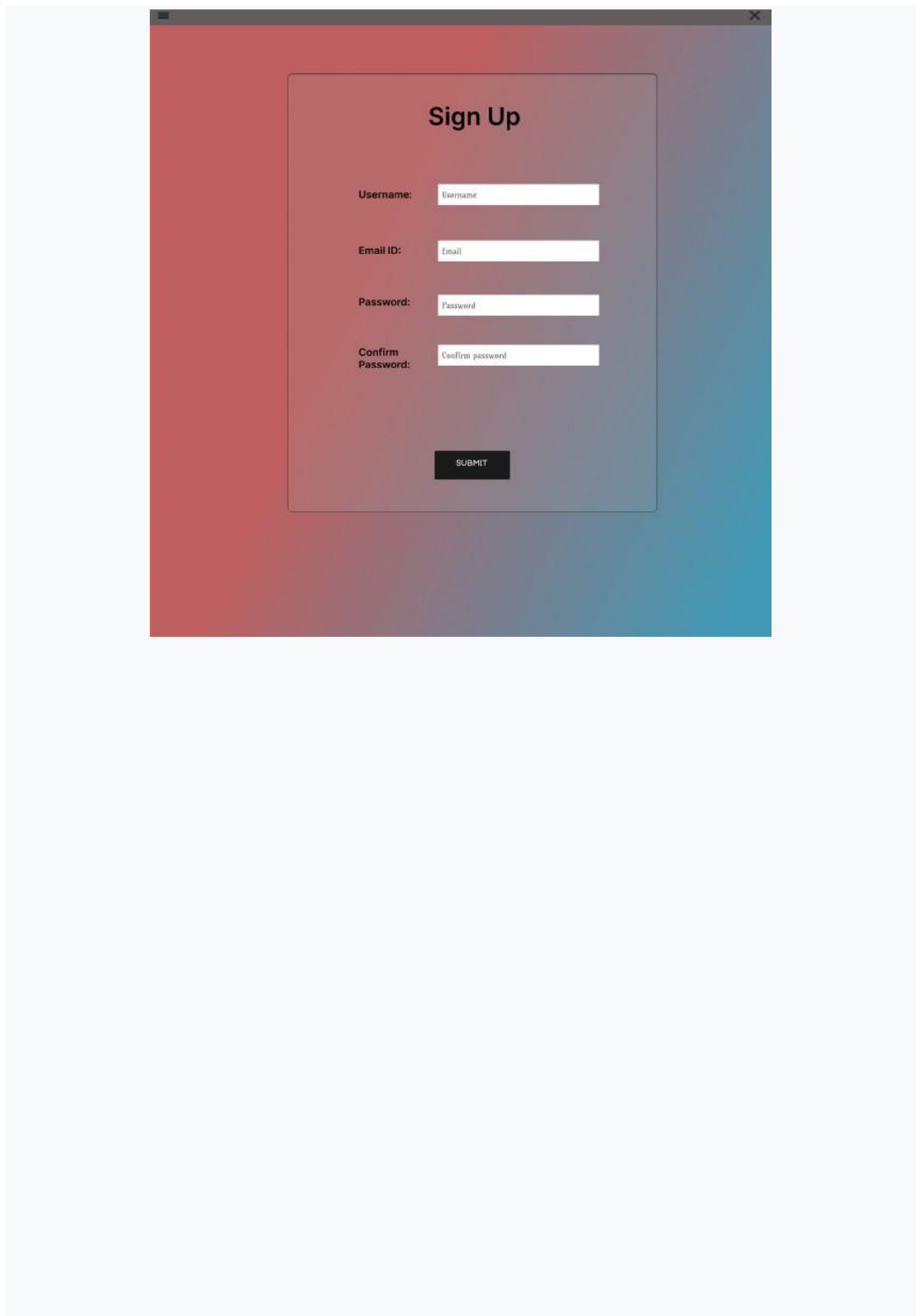
1. UI UX screens design
 - 1.1. Welcome page



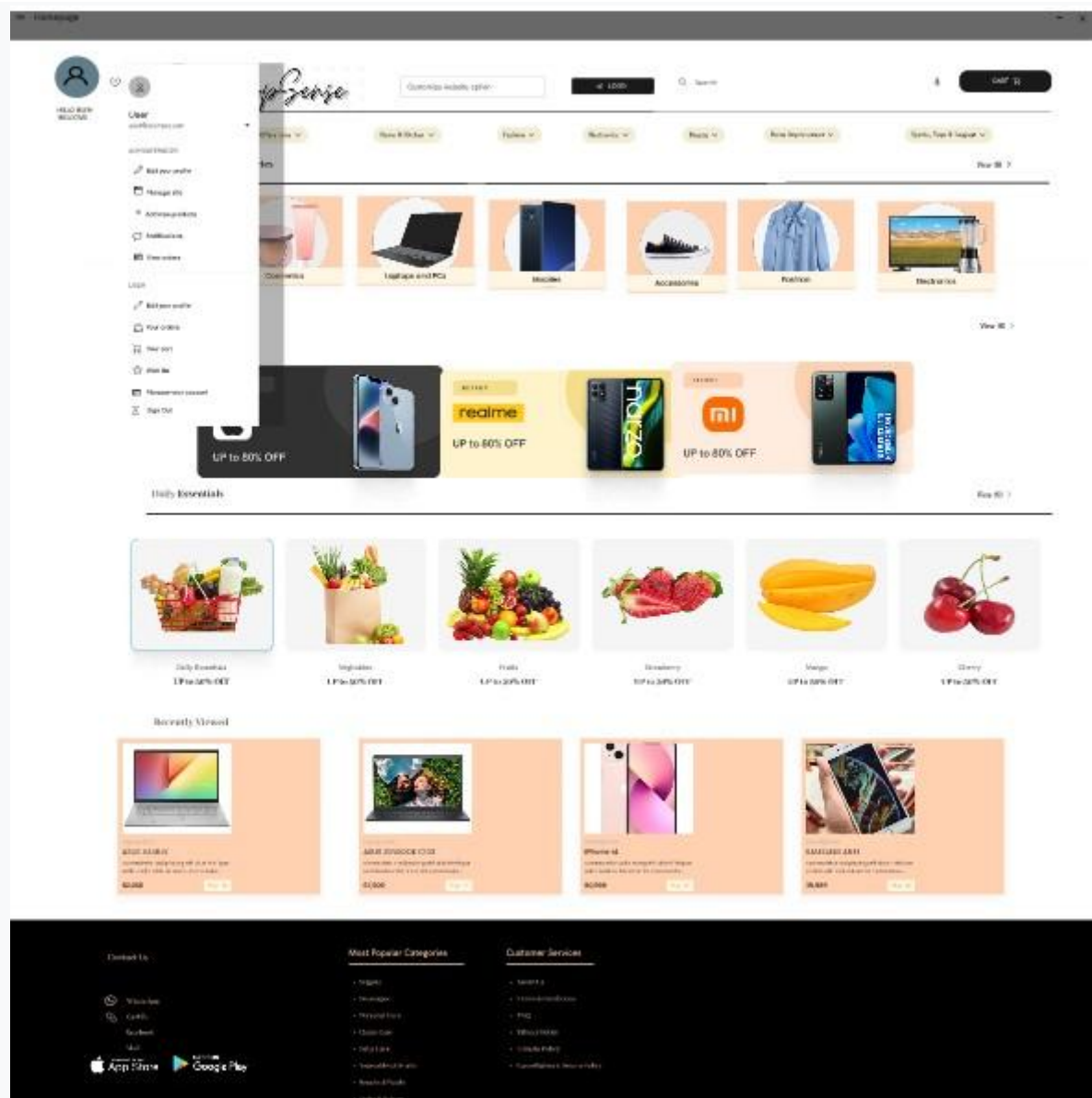
- 1.2. Login page



- 1.3. Sign in page



1.4. Home page



1.5. Product page

Home Center 2 seater sofa

67,599.00/- 50% off

33,799.50 /-

You save 33,799.50/-

Product description>

- Introducing our beautiful yellow sofa, the perfect addition to any modern living room. With its vibrant and cheerful color, this sofa is sure to brighten up your space and make a bold statement.
- Crafted with high-quality materials, this sofa is built to last. The sturdy frame is made from durable hardwood, while the cushions are filled with plush foam for maximum comfort.
- The soft yellow upholstery is made from a high-quality fabric that is both stain-resistant and easy to clean.
- Measuring 80 inches in length, this sofa comfortably seats three people. The deep seats and push-back cushions offer exceptional support and comfort, making it the perfect spot for lounging or entertaining guests.
- The sofa's sleek and modern design is complemented by elegant, tapered legs made from solid wood. These legs give the sofa a stylish and contemporary look that will elevate the design of any room.
- Overall, this yellow sofa is a must-have for anyone looking to add a touch of warmth and vibrancy to their living space. It's comfortable, stylish, and built to last, making it a great investment for any home.

Top Reviews>

5

★★★★★

4

★★★★☆

3

★★★☆☆

2

★★☆☆☆

1

★☆☆☆☆

Reviewed by **Anonymous**

Worth the price!!

Reviewed by **Anonymous**

Quality is so good!!

Reviewed by **Anonymous**

I have ordered this and it was really good in view but was so hard not to expect it

Contact Us

- WhatsApp
- Call Us
- Email Us

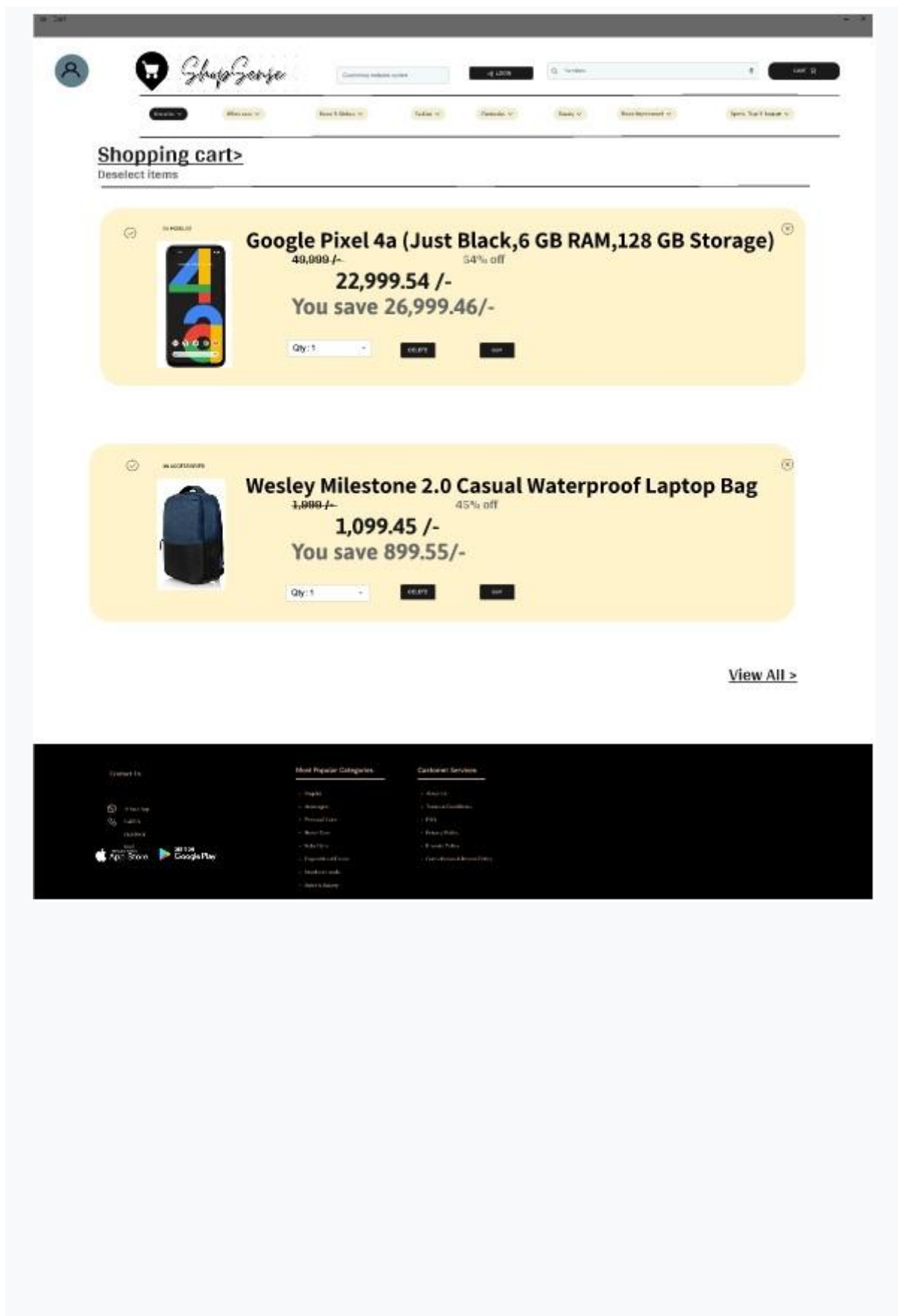
Most Popular Categories

- Fashion
- Electronics
- Home & Garden
- Health & Beauty
- Sports & Outdoors
- Baby & Kids
- Pet Supplies
- Books & Media
- Travel & Luggage
- Food & Beverage
- Automotive

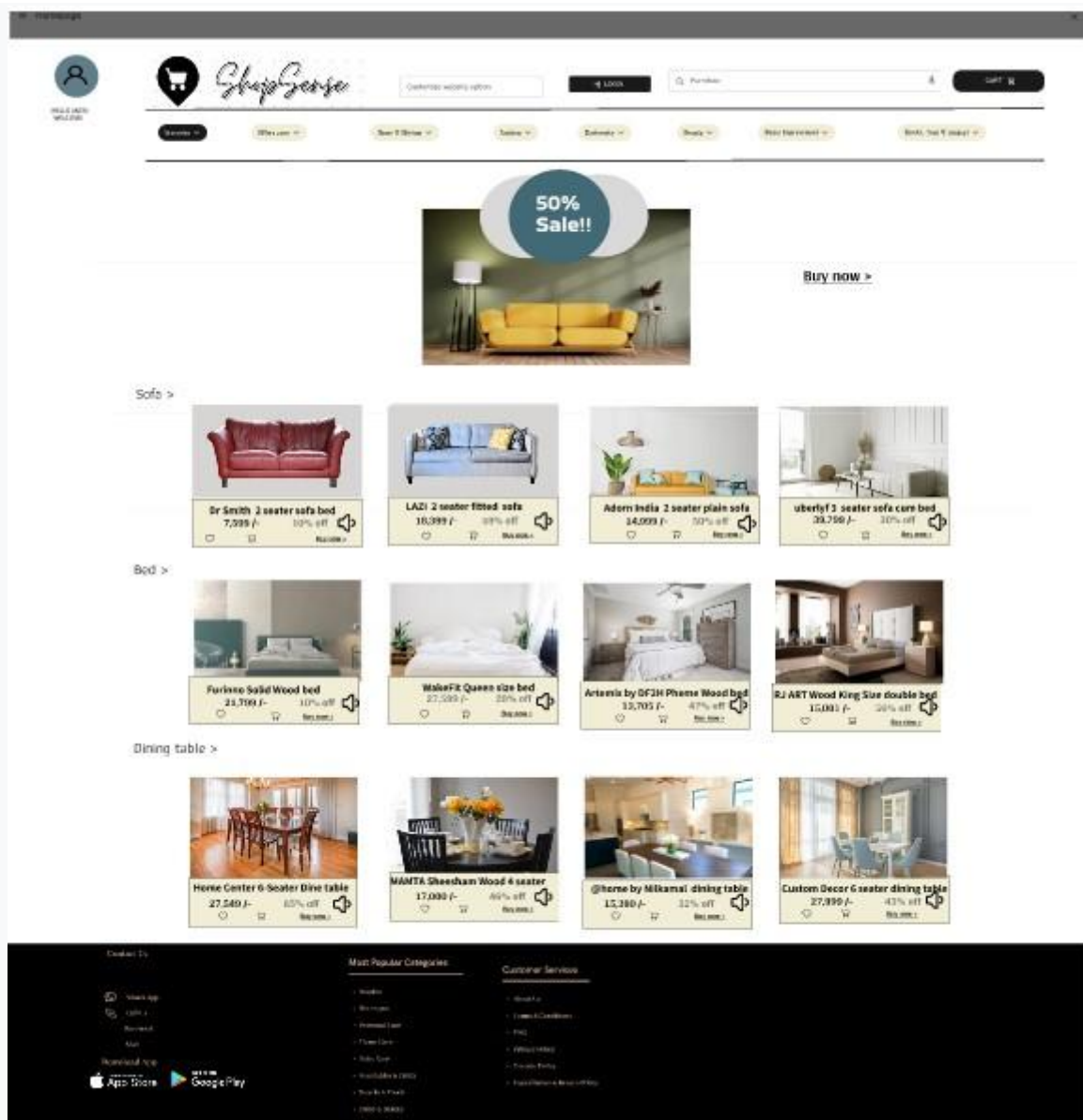
Customer Service

- About Us
- Privacy Policy
- Terms & Conditions
- Shipping & Delivery
- Returns & Refunds
- Contact Us
- FAQs
- Affiliate Program
- Career Opportunities
- Press & Media
- Sustainability
- Community & Social Impact


1.6. Cart page




1.7. Search result





1.8. Order summary



Home Center 2 seater sofa
67,599.50/- 50% off
33,799.50 /-
You save 33,799.50/-





Shipping address: House no , Apartment name,
Road name, Place name,
City, State

Pin-code : 000000

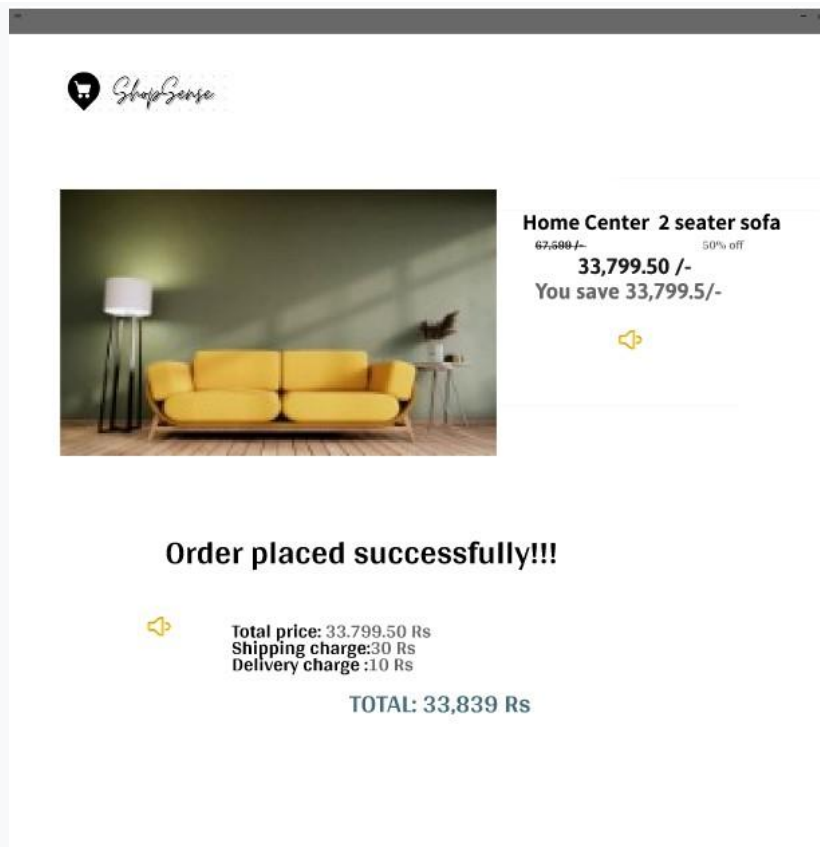
Order number : SS10001

Order date and time : 01-01-2023 , 17:00 hrs

Amount in words : Thirty three thousand seven hundred and ninety nine rupees and fifty paise only

Total price: 33,799.50 Rs
Shipping charge: 30 Rs
Delivery charge : 10 Rs

TOTAL: 33,839 Rs



2. Overall Architecture

Our project is an e-commerce website that will be developed using React.js for the front end and Node.js for the back end. We have chosen to implement this website using the **MERN architecture**, which stands for **Mongo DB, Express, React, and Node** – are the four key technologies involved in the development process.

Mongo DB — document database

Express(.js) — Node.js web framework

React(.js) — a client-side JavaScript framework

Node(.js) — the premier JavaScript web server

The **MERN** architecture allows you to easily construct a three-tier architecture (front end, back end, database) entirely using **JavaScript** and **JSON**.

2.1. API listing

Login page

1.(POST)api/auth/login

```
{
```

```
"username" : username | required
```

```
"Password" : password | required
```

```
}
```

Sign In page

1.(PUT)api/auth/register

- create new account by storing the user details

Sample details are

```
{
```

```
"name" : string | required
```

```
"email" : email |required
```

```
"phone" :int | required
```

```
"name" : string | required
```

```
"password" : string | required
```

```
}
```

Home page

1.(GET)api/product

- fetch details of the selected product

2.(GET)api/user

- fetch the details of logged user

3.(POST)api/cart

- store and fetch the details of product in cart

Product page

1.(POST)api/cart

- store and fetch the details of product in cart

2.(POST)api/buy

- fetch the details of selected product and stores in
Order table & navigate to order page

3.(POST)api/review

- store review and rate about the product

Cart page

1.PUT(api)cart-product

- api used to update the product in the cart table

2.DELETE(api)cart-delete

- remove the selected product from the cart list

3.(POST)api/cart-buy

- fetch the details of selected product and stores in
Cart table & navigate to order page

Category page

1.(GET)api/category

- fetch details of existing categories

2.(PUT)api/create-category

- create new category by storing the details

3.DELETE(api)category-delete

- remove the selected category

Admin-product page

1.(PUT)api/create-product

- add new product by storing the details

2.DELETE(api)product-delete

- remove the selected product

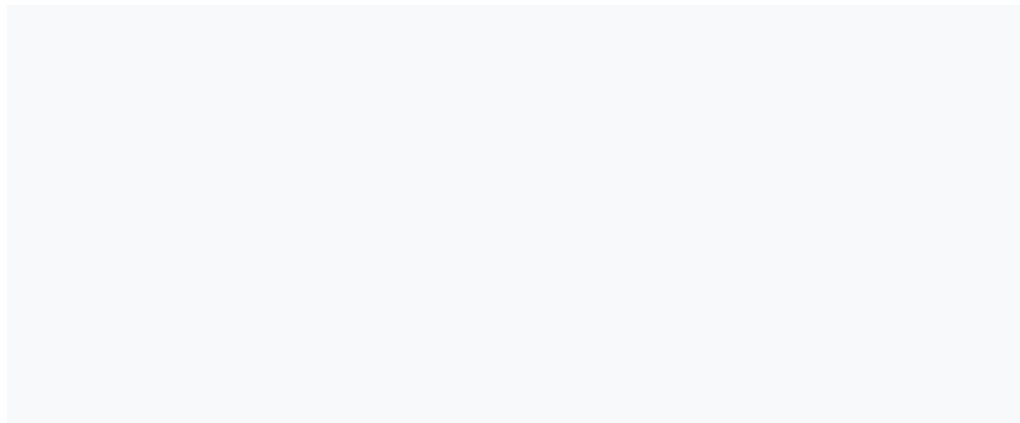
3.PUT(api)product-update

- api used to update the details of product

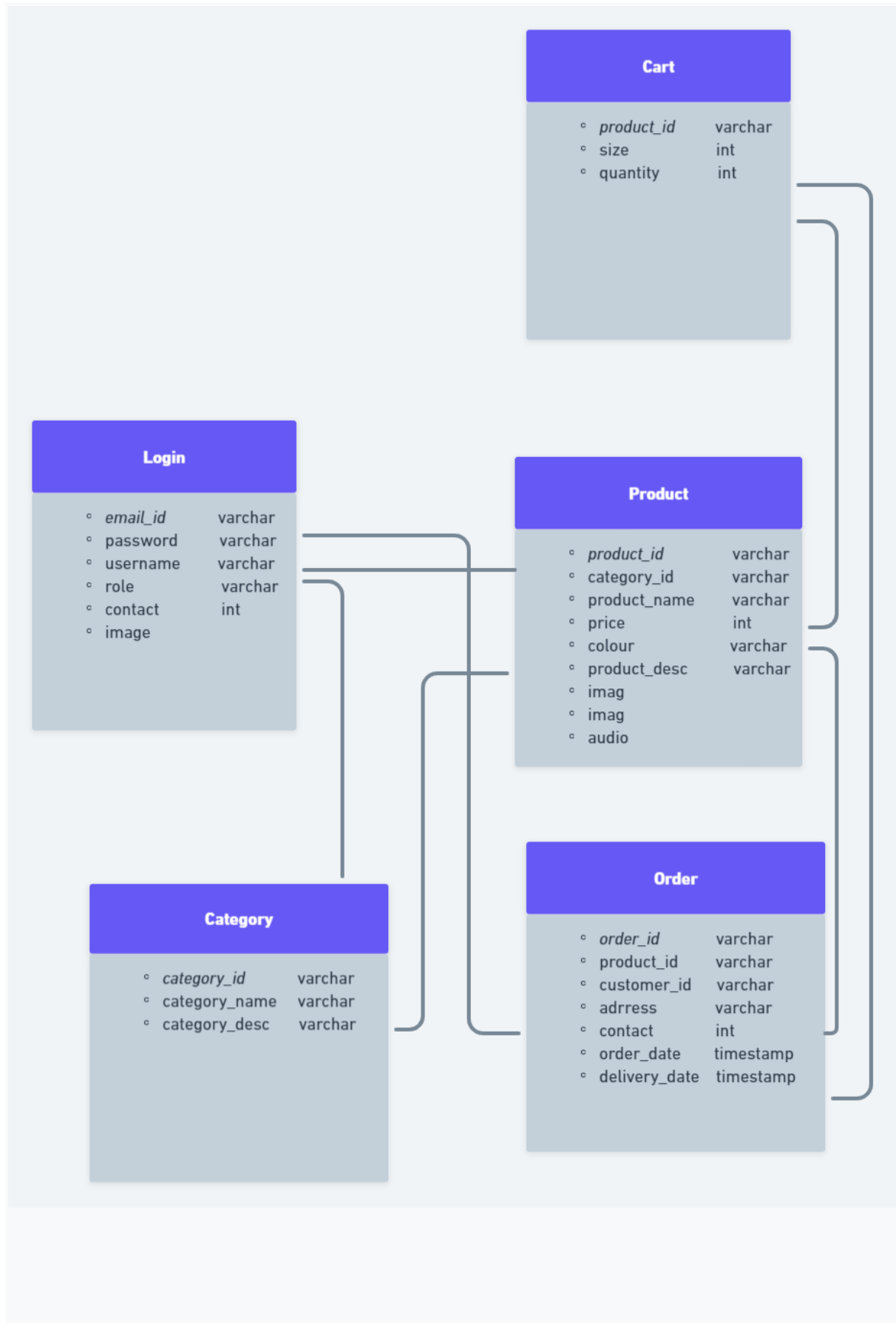
Order page

2.(PUT)api/order

- place the order by storing the details

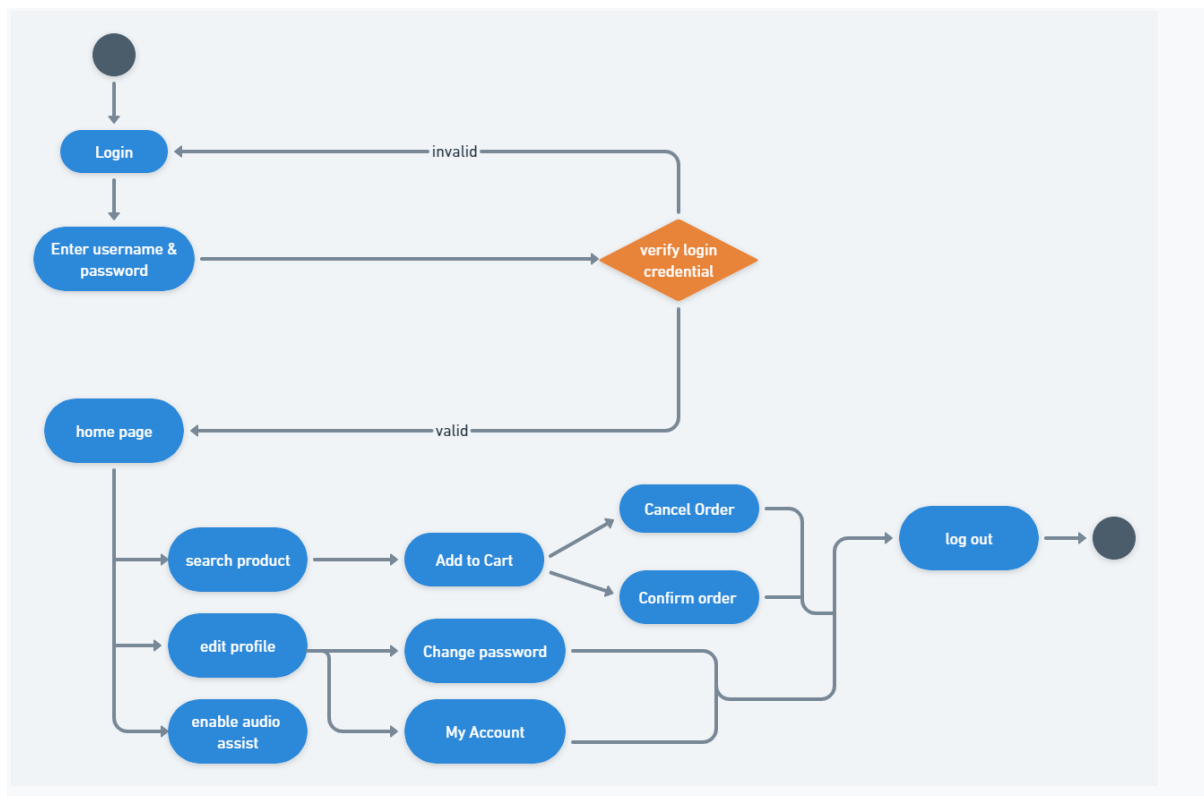


3. Entity relationship diagram

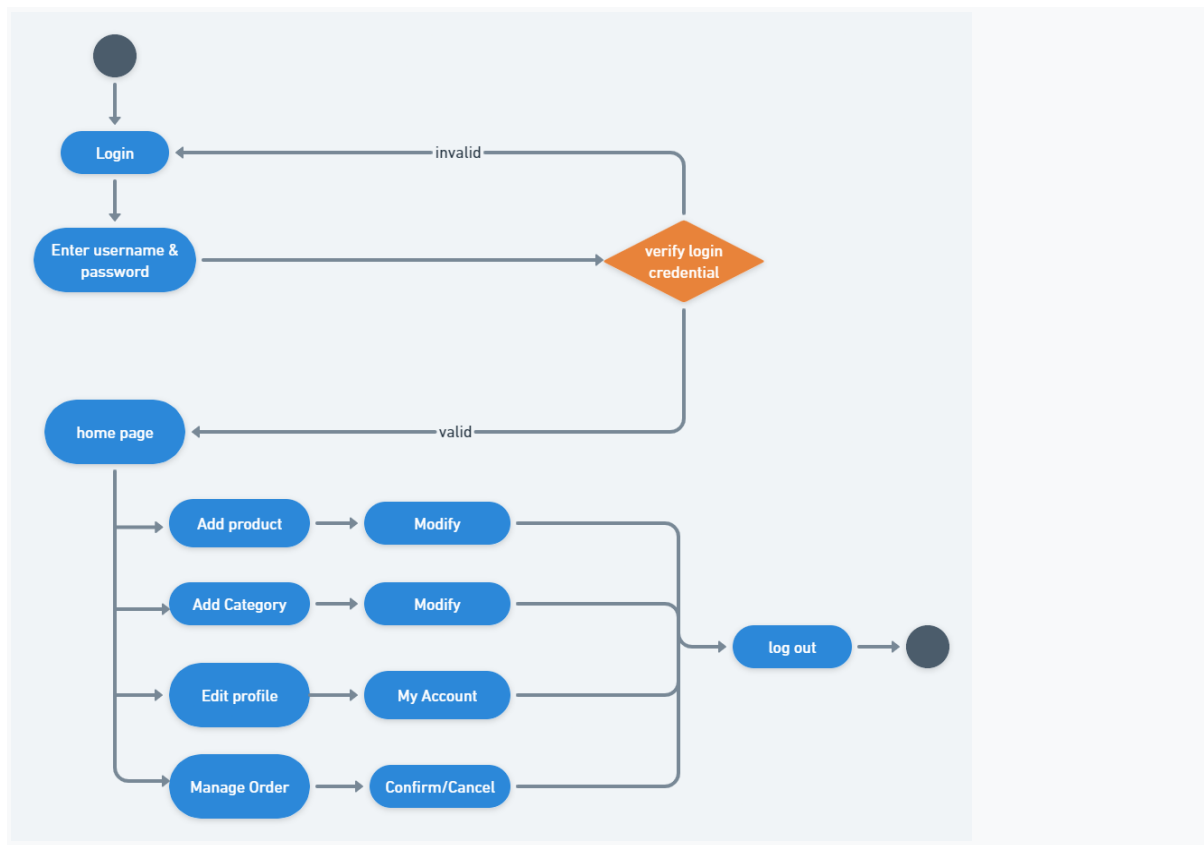


5. Details of workflow

5.1. Activity diagram of user



5.2. Activity diagram of admin



6. Approx User Story

6.1. Admin

- Log into the e-commerce site, create an account, and access the site's features.
- Audio assistance enabling option
- Browse through the products on the e-commerce site.
- Add desired products to the cart on the e-commerce site.
- Add new products to the e-commerce site.
- Add a new category to the e-commerce site.
- Update existing products on the e-commerce site.
- Manage customer accounts and orders on the e-commerce site.
- Log out

6.2. Customer

- Log into the e-commerce site, create an account, and access the site's features.
- Audio assistance enabling option
- Browse through the products on the e-commerce site.
- Add desired products to the cart on the e-commerce site.
- Leave ratings and reviews on the products on the e-commerce site.
- Place order
- View their order history on the e-commerce site.
- Share product details and recommendations with friends and family through social media platforms from the e-commerce site.
- Log out

7. Tasks

7.1. UI design

- 7.1.1. Login page**
- 7.1.2. Sign In page**
- 7.1.3. Home page**
- 7.1.4. Welcome page**
- 7.1.5. Product page**
- 7.1.6. Cart page**
- 7.1.7. Order page**
- 7.1.8. Admin page**

7.2. Database design

7.3. System Architecture design

7.4. UI implementation

- 7.4.1. Login page**
- 7.4.2. Sign In page**
- 7.4.3. Home page**
- 7.4.4. Welcome page**
- 7.4.5. Product page**
- 7.4.6. Cart page**
- 7.4.7. Order page**
- 7.4.8. Admin page**

- 7.5. Create new user by storing details**
- 7.6. Login successfully while login details are matches the data in database otherwise fail**
- 7.7. Add new product by entering details by admin**
- 7.8. Update product details**
- 7.9. Display products or items**
- 7.10. Add product to cart**
- 7.11. Place an order successfully**
- 7.12. Add new category**
- 7.13. Display category**
- 7.14. Option for enabling audio assistance**
- 7.15. Playing audio description about each product**
- 7.16. Keyboard navigation**

8. Software architecture diagram

