SHAREADS

Peer-to-Peer Book Rental Service

Project Report-3

CSE519: HCI
(Human Computer Interaction)

Submitted To:
Prof. Anurag Lakhani

Team Hydra:

Samarth Shah
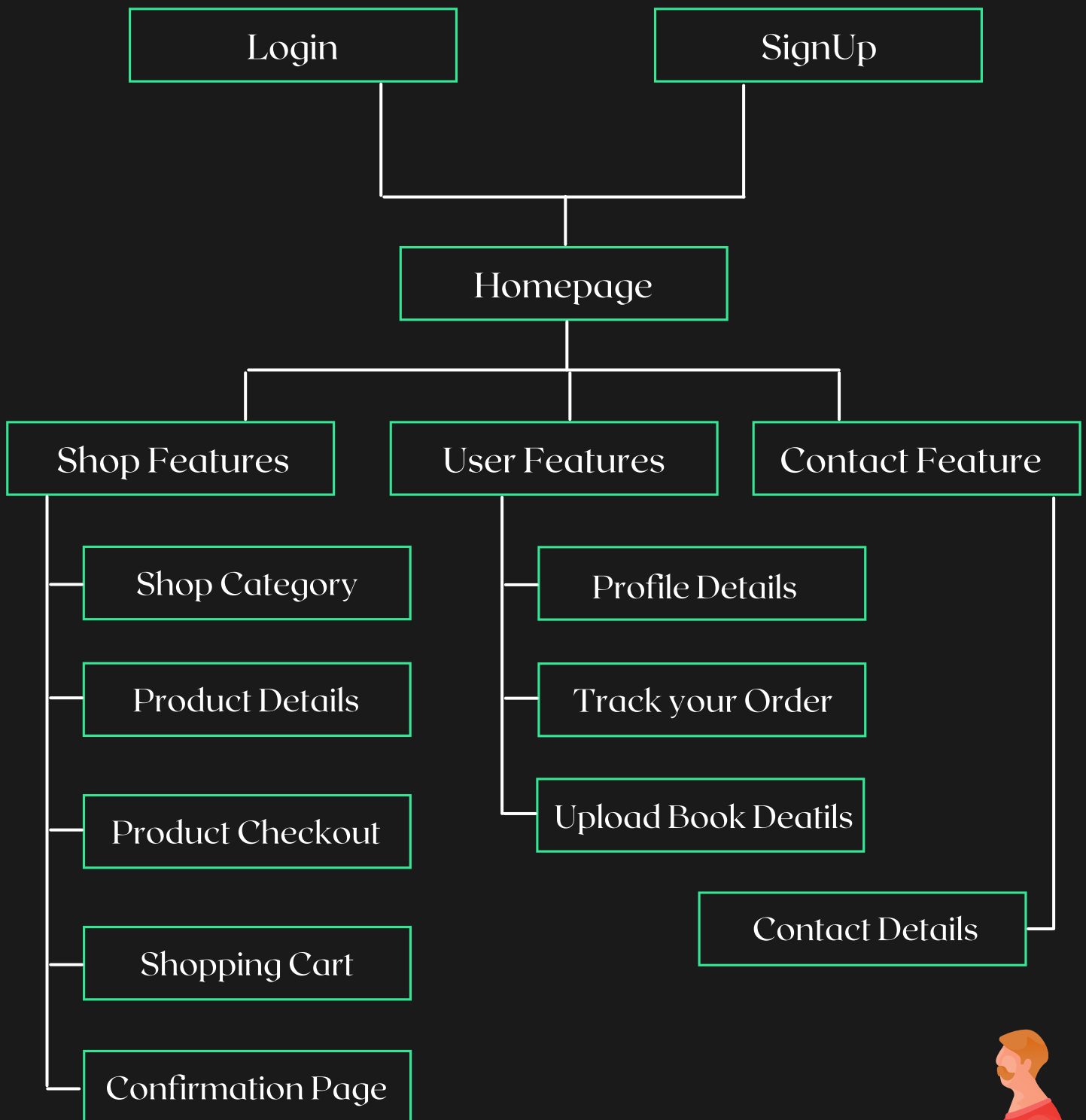AU1841145

Priyank Sangani
AU1841136

Parth D. Patel
AU1841123

Meet Kadiya
AU1841099

Hierarchical Task Anyalysis

Login

SignUp

Homepage

Shop Features

User Features

Contact Feature

Shop Category

Product Details

Product Checkout

Shopping Cart

Confirmation Page

Profile Details

Track your Order

Upload Book Deatils

Contact Details
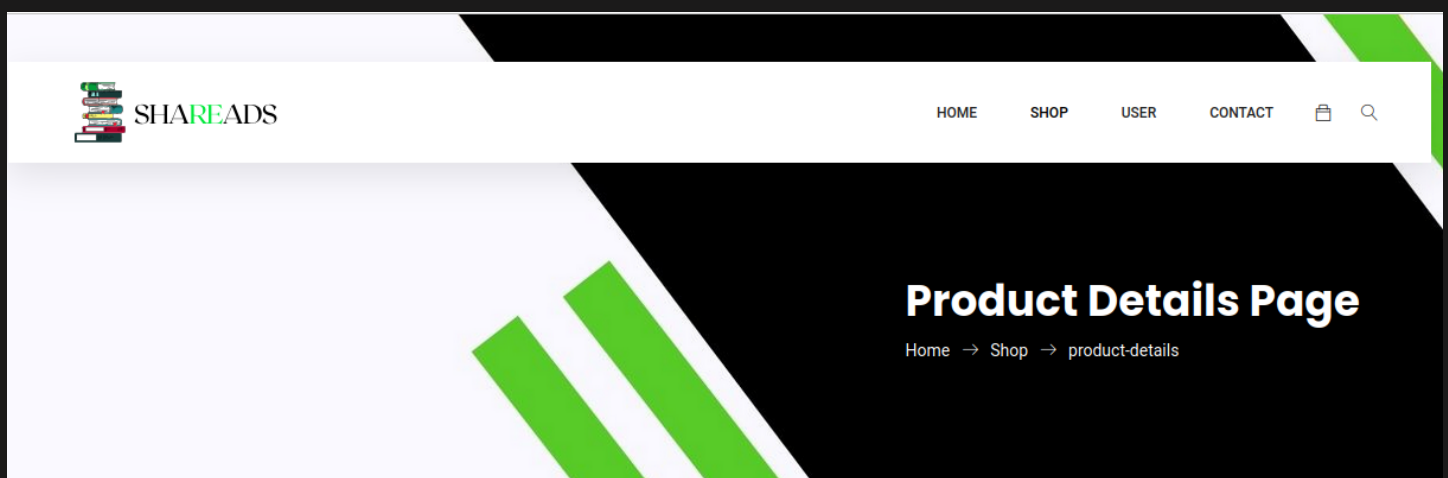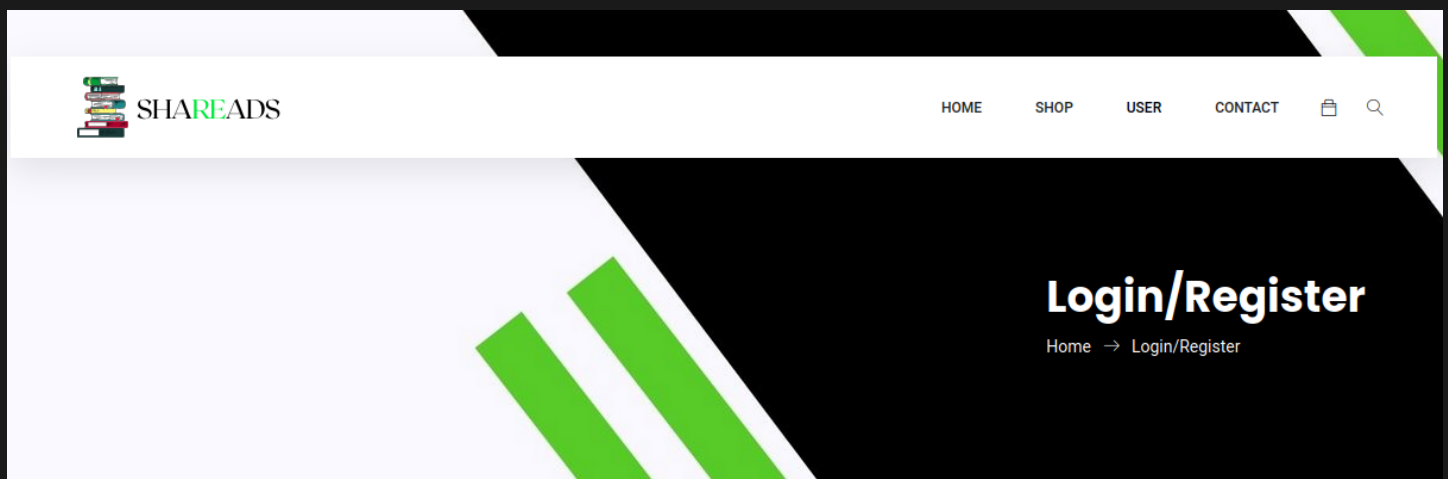
Feature-1
Strive for Consistency

Prepared By: Parth Patel

Functionality: User will use these webpages top craete an account or to log into in the website with unique username and password or to go throught the product details or checkout page.

Photo of implementation:

Feature-1
Strive for Consistency

Prepared By: Parth Patel

Description of the principle :

The consistency principle is based on keeping the design and the experience of the user consistent while using the website. The base points for the principle are:

A) Similar operations to achieve similar tasks.

B) Makes things easy to learn and use.

C) Identical technology in prompts, menus, help.

D) Consistency between next versions of s/w or app.

Description of the feature:

This is the picture of a shareads login window and product details page. As we can see here, the back button with the Shareads logo in every window is always kept in the top left corner of the screen. This shows the use of consistency principle and it makes it very easy for a user to get acquainted with the software in a very short time period. This is also showing consistency in terms of habit of the user as the user may have used many websites before using this one.
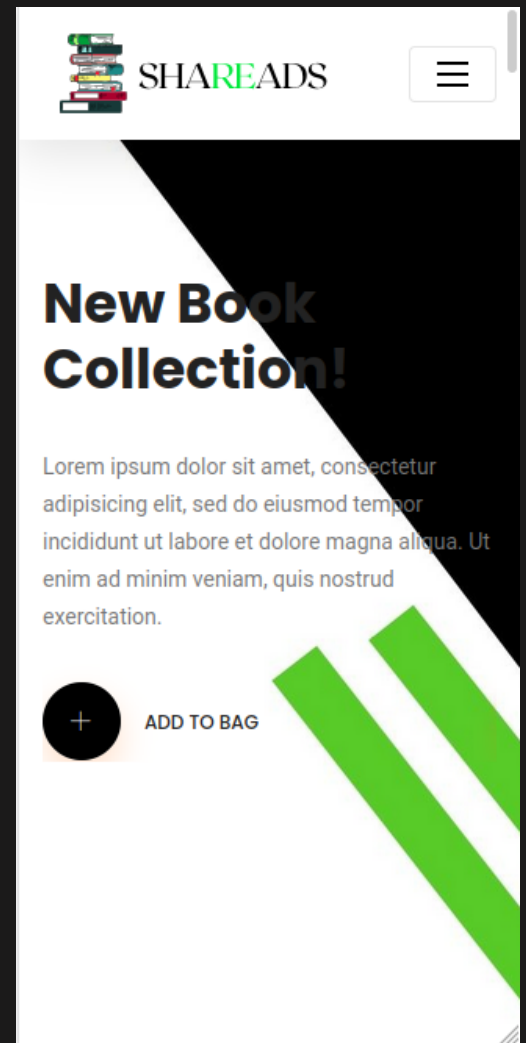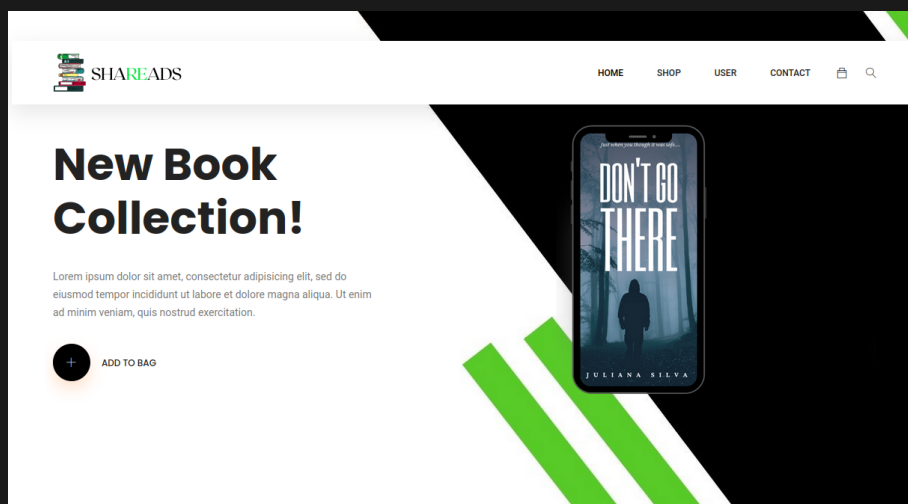
Feature-2
Cater for Universal Usability

Prepared By: Parth Patel

Functionality: User will able to use this website in desktop as well as an andriod device also in the i-phone device. This shows the responsiveness of the website.

Photo of implementation:

Feature-2
Cater for Universal Usability

Prepared By: Parth Patel

Description of the principle :
Universal Usability is the design of things such that they are useful to as many people as possible.Universal design is a move away from design for the "Average" person by considering a wide variety of diverse use cases.

Description of the feature:
People come in a wide variety. For example, let's consider, someone could open this website through phone or someone could open through laptop. Here both the images can show the use of universal usability.Users can use different devices like laptop,mobile,tablet,etc.First image shows user can use Shareads via mobile and the second image shows user can use Shareads via laptop.
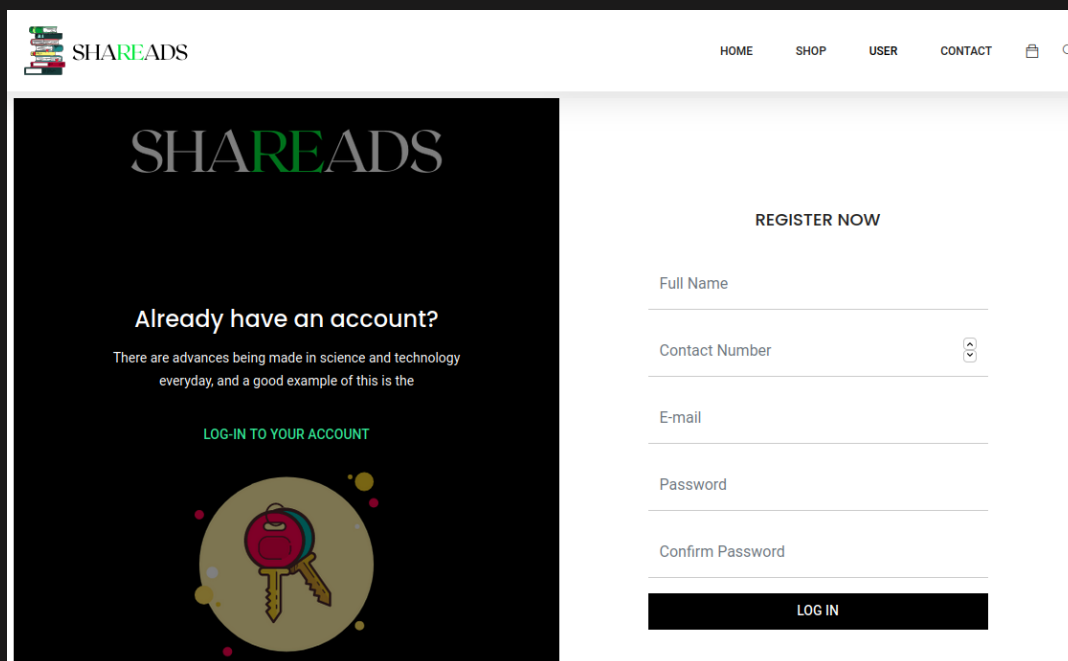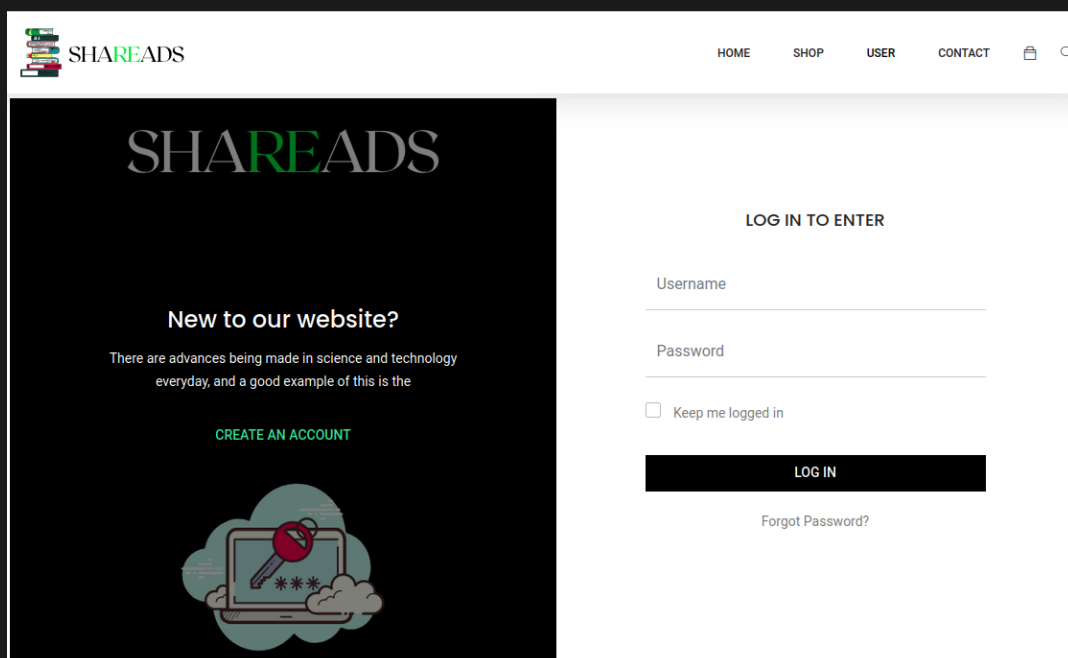
Feature-3
Interaction Style: Form Fill-In

Prepared By: Meet Kadiya

Functionality: User will use these webpages top craete an account or to log into in the website with unique username and password.

Photo of implementation:

Feature-3
Interaction Style: Form Fill-In

Prepared By: Meet Kadiya

Description of the feature:

After opening the Shareads users have two options available: login or signup. If the user does not have an account then after filling all details the user can login through this website. In the signup page the user will add these details: full name,contact number,email id,password and confirm password. After filling this detail user can login into shareads.if users have an account then click on the login button and fill the username and password. If the user can not remember the password here forgot password option available so user can change the password via this option and login into their account.

Advantages of form fillings simplifies data entry,requires modest training,makes assistance convenient,permits use of form-management tools
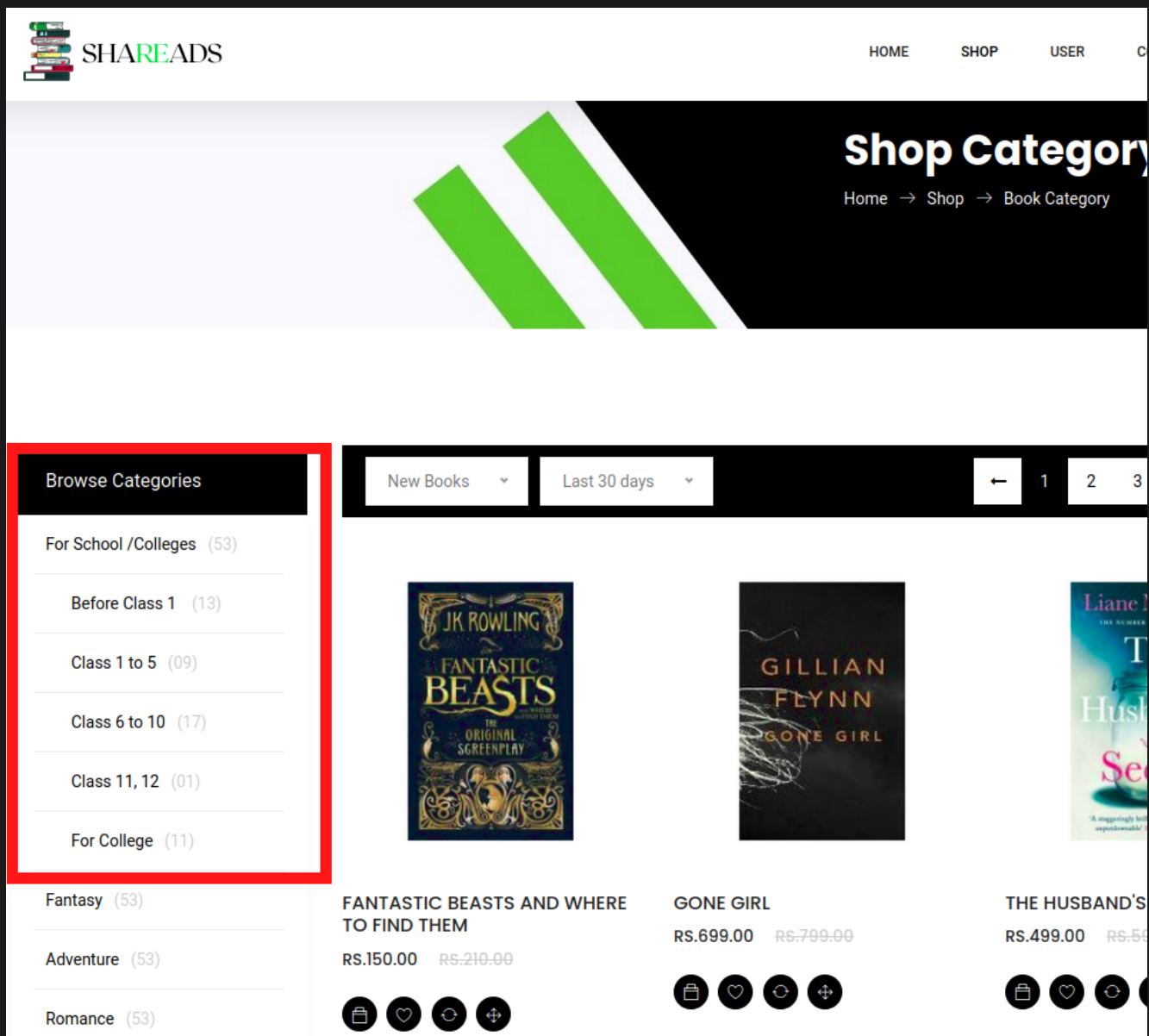
Feature-4
Piaget's theory of Cognitive Development

Prepared By: Meet Kadiya

Functionality: This feature will help user to find an book for renting by categorywise or using filters.

Photo of implementation:

Feature-4
Piaget's theory of Cognitive Development

Prepared By: Meet Kadiya

Description of the principle :
His theory focuses not only on understanding how children acquire knowledge, but also on understanding the nature of intelligence.Piaget believed that children take an active role in the learning process, acting much like little scientists as they perform experiments, make observations, and learn about the world.Piaget theory have 4 different stages:Sensorimotor stage,preoperational stage,Concrete operational stage,Formal operational stage.

Description of the feature:
Here, Piaget's theory of Cognitive Development is shown in Shareads websites in terms of the selection of different class books. We can see in this image that users can select browse category there is a School/college option available.In this are the option: class1, class 1 to 5, class 6 to 10, class 11 & 12, for colleges. Using these options users can easily find their book.

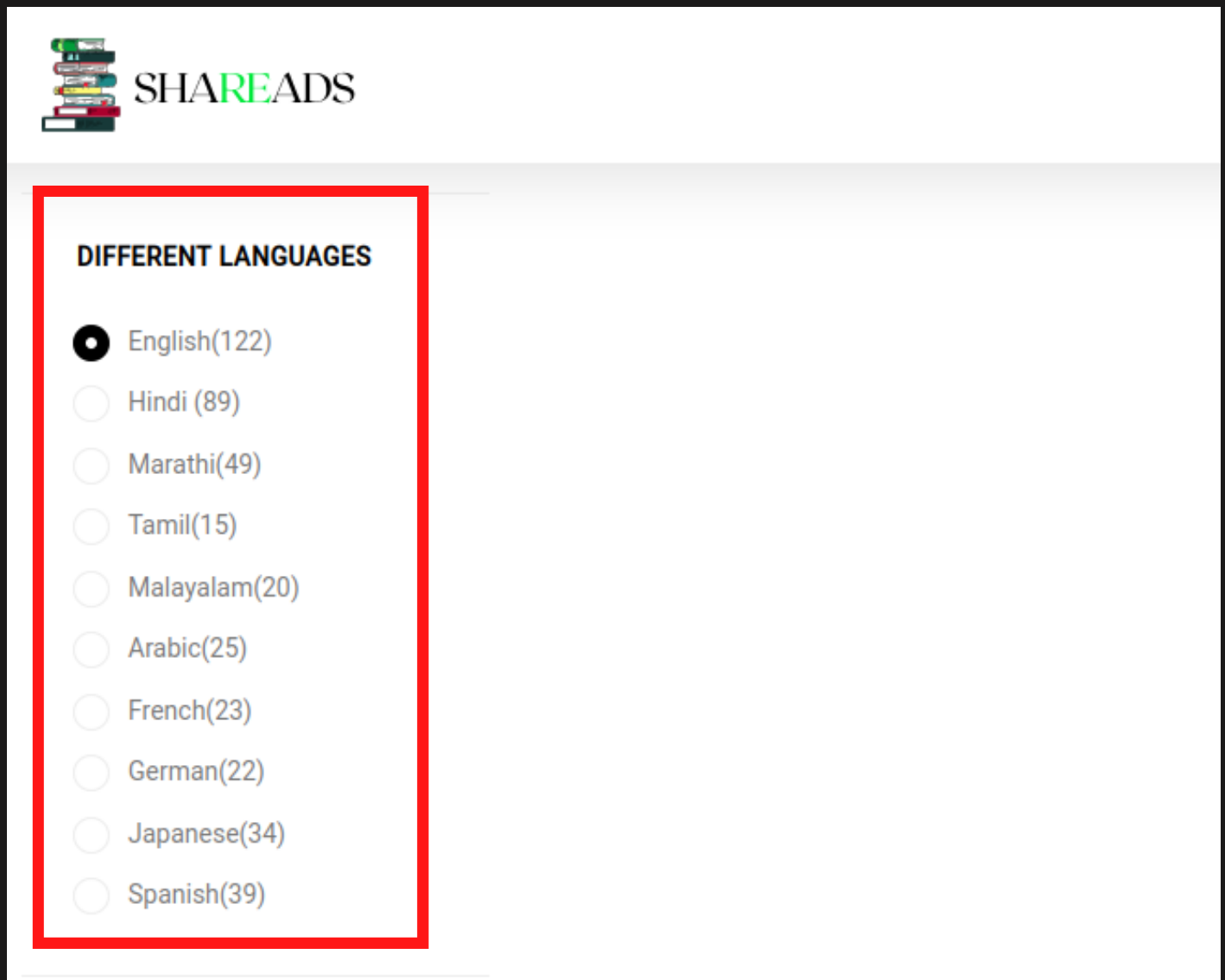# Feature-5
Cultural and International Diversity

Prepared By: Samarth Shah

Functionality: This feature will help user to find an book from different languages

Photo of implementation:

Feature-5
Cultural and International Diversity

Prepared By: Samarth Shah

Description of the principle :

The principle of cultural and international diversity emphasizes on the differences between difference in the aspects of cognition and the language terms and slangs among different cultures and different countries by considering:

A) Date and Time formats

B) Weight and Measures

C) Icons, buttons, and colors

D) Etiquette,formalities, metaphors.

Description of the feature:

Here, the principle of cultural and international diversity is shown in Shareads websites in terms of the selection of language for the book.For example, we can see in the below image users can select different countries and different types of language.it could increase the familiarity and reach to its customers.
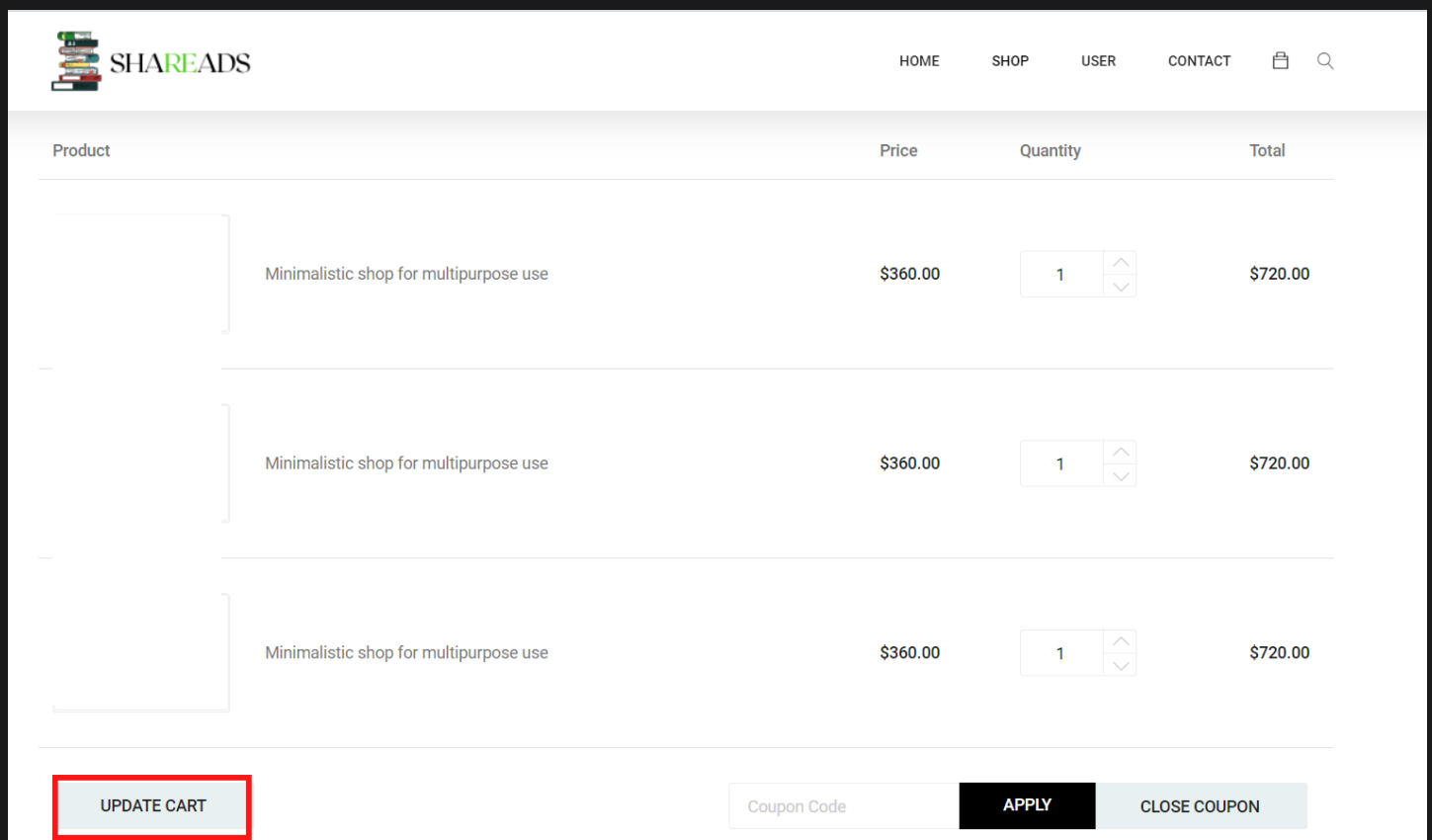
Feature-6
Permit Easy Reversal of Actions

Prepared By: Samarth Shah

Functionality:With this functionality user can modify the order details on one click only.

Photo of implementation:

Feature-6
Permit Easy Reversal of Actions

Prepared By: Samarth Shah

Description of the principle :
This principle states that every task of the user should be made reversible. This relieves anxiety in the user and makes the user comfortable as the user knows that my action can be reverted back.

Description of the feature:
In Shareads portal there is a section of 'Shopping Cart' where users can store their products(books). There is an 'update' option for the user. This option allows the user to easily reverse or update their tasks. For Example, if the user has added 2 books in the cart and now the user wants to remove 1 book from the cart then the user can use this option and can easily reverse or update their tasks.
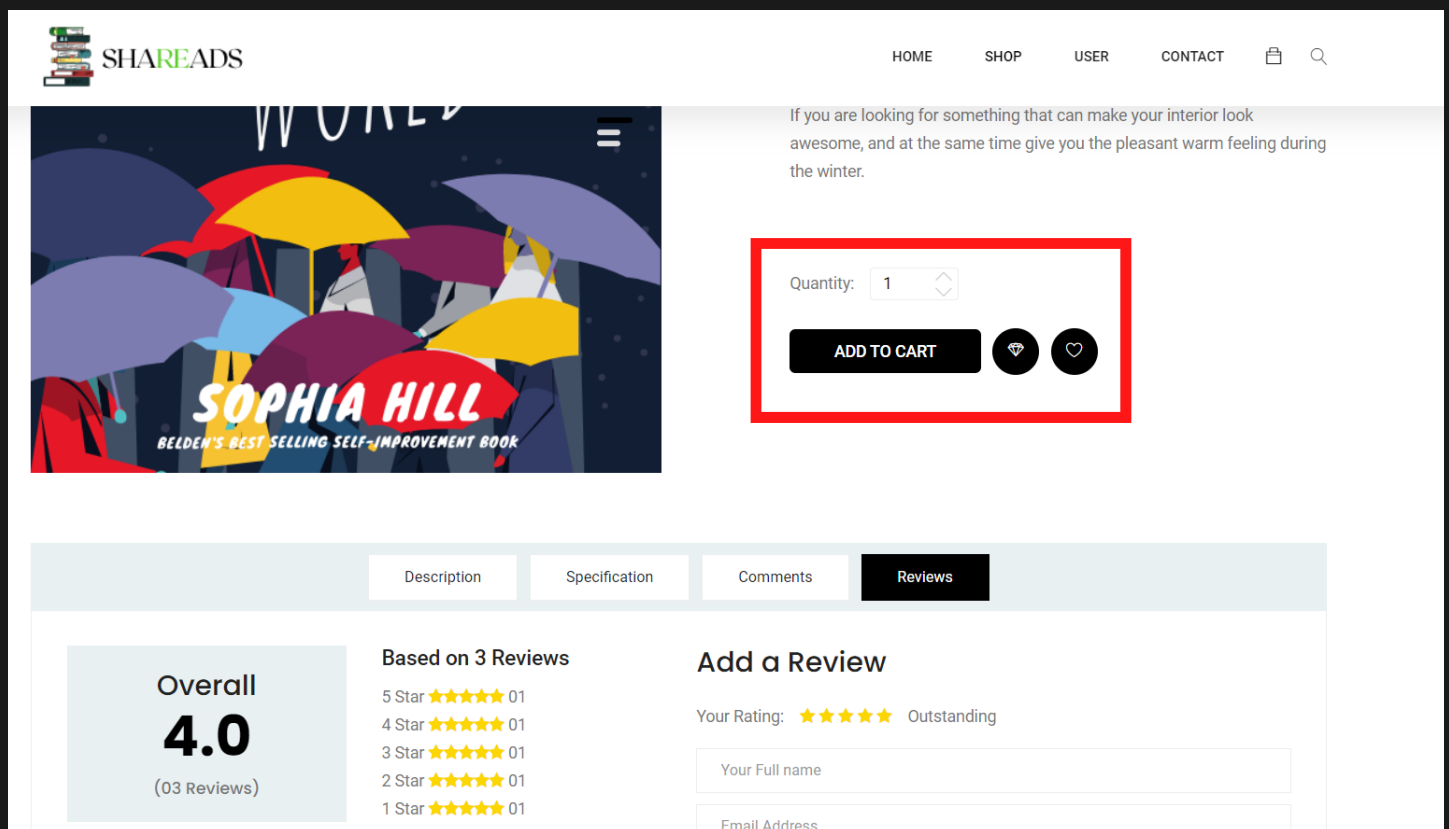
Feature-7
Reduce Short Term Memory Load

Prepared By: Priyank Sangani

Functionality: This is a book details page, where user can find the details of each book.

Photo of implementation:

Feature-7
Reduce Short Term Memory Load

Prepared By: Priyank Sangani

Description of the principle :
This principle states that the memory load to memorize details should be reduced as much as possible.

Description of the feature:
In Shareads portal, there is a section of 'Product Preview' where the user can view the product and its details. In this section, there is an 'Add to wishlist' option for the user. This option helps the user to reduce memory load for memorizing the product and its details. For Example, if the user liked a product but he/she is not sure whether he/she needs to buy or rent this product then the user can just add the product to wishlist and then later, the user just needs to check the wishlist. This way the user memory load is reduced as now he/she does not need to memorize all the details and just have to check their wishlist to save time and reduce memory usage load.

Feature-8
Interaction style: Menu selection

Prepared By: Priyank Sangani

Functionality: This webpage will help user to checkout the items he/she has selected.

Photo of implementation:

Feature-8
Interaction style: Menu selection

Prepared By: Priyank Sangani

Description of the principle :
In this Interaction style, the user reads a list of items, selects an appropriate item, and observes the effect of their action.

Description of the feature:
In Shareads portal, there is a section of 'Checkout/ payment' where the user needs to pay their rent to get the book. Here the user is provided with many payment options like Netbanking, Credit card, Debit card, Google Pay, and many more. This interaction style encourages Structures Decision-making and Allows easy support for error handling.

Integration of all features:

Screenshots of the integration:
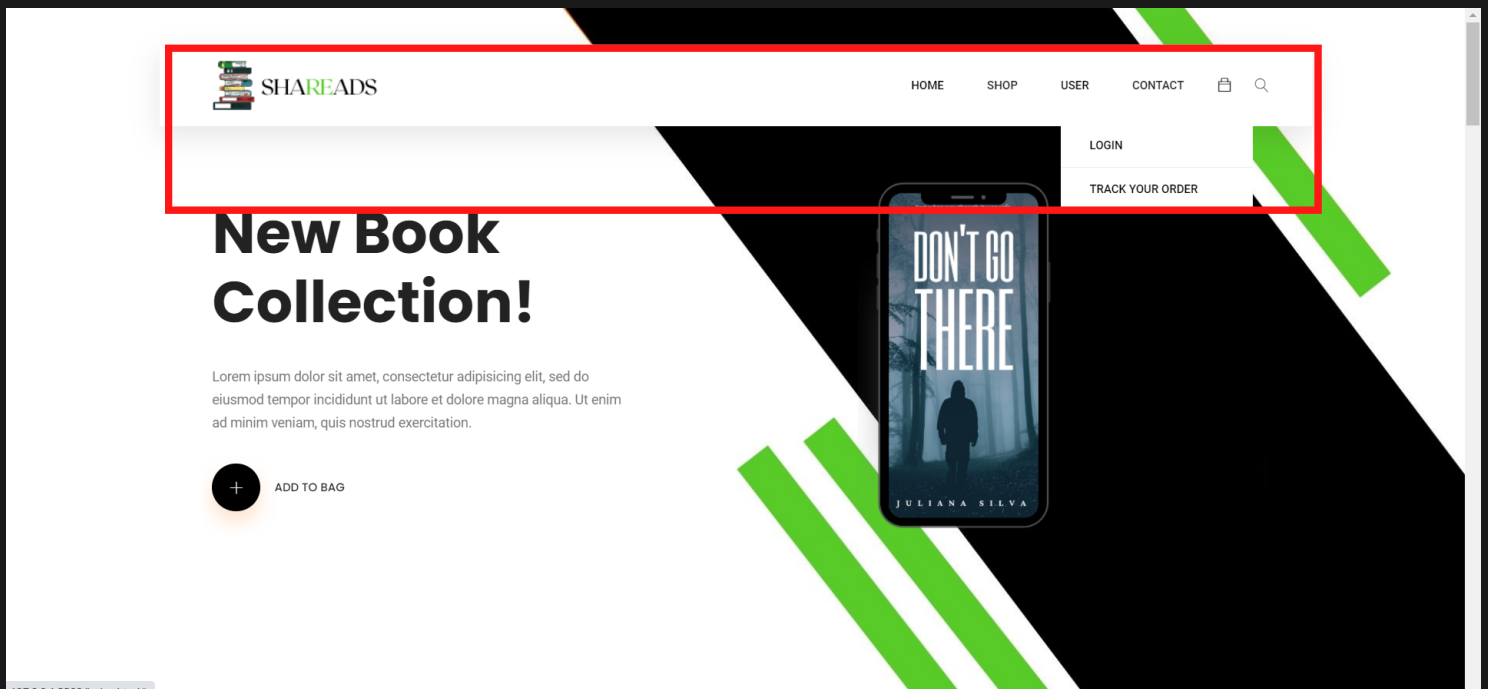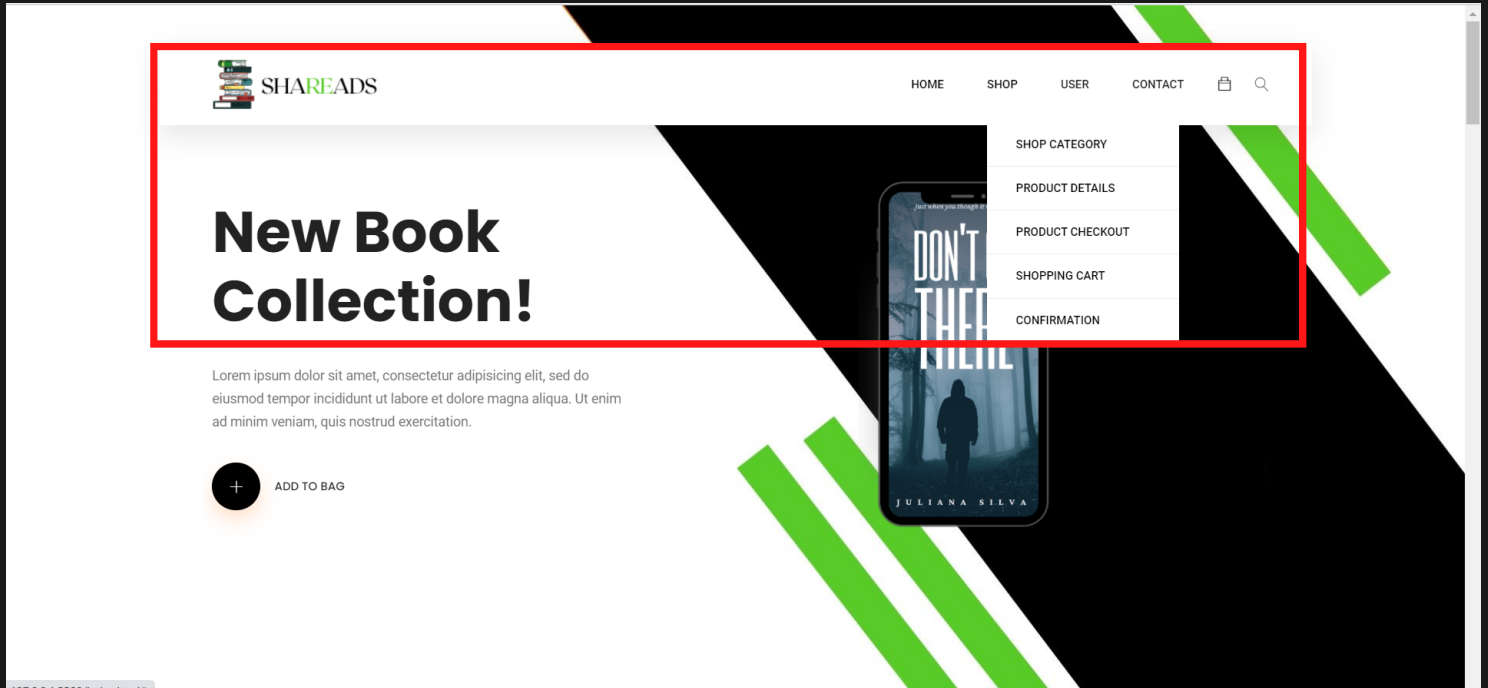
In the end, this is how Shareads portal will look like when all the features are integrated from the user's point of view.

- First user needs to "login" if he/she has an account or he/she needs to "signup" and fill up all the details required to create a new account.
- Then the user is navigated to "homepage" where the user has many options like view
  - Latest arrival books
  - Trending books
  - User details
  - Products Preview and details
  - Help and contact details and many more
- If the user wants to buy some desired book on rent then he/she can use the search bar and search for the desired book and then it will navigate the user to that "particular book details".
- If the user wants to view books of some sorted category then he/she can use the categorical list to sort the book list and it will navigate the user to that particular "categorical section of books".

- If the user likes a particular book and wants to buy it on rent then he/she will select a 'Buy on Rent' option provided on that page then it will navigate the user to 'Shopping Cart' section.
- In that 'Shopping Cart' section the user needs to confirm that he/she needs to buy the book present in cart and by confirming it, it will navigate the user to the 'Checkout/Payment' section.
- In that 'Checkout/Payment' section, the user needs to select the mode of payment and its details and after paying the rent, it will navigate the user to the 'Order Details' section.
- In that 'Order Details' section the user is provided with the details like which book is ordered, payment status, when will the book arrive, and many more.
- If the user wants to track his/her order then he/she can select the 'Track Order' option provided in the User/Track your Order page and it will navigate the user to the 'Track order' section where he/she can track the order and can estimate when the order will be arrived.

- If the user wants to keep his/her book for rent on Shareds portal then he/she can select the 'Upload Book Details' section provided in the User/Book details page/section and it will navigate the user to the 'Upload Book Details' section.
- In the 'Upload Book Details' section there are steps provided which the user needs to follow to upload his/her book on the Shareads portal.
- If the user has an query or need any help then there is a 'Help/Contact us' option available in the Homepage/ Contact Us page and by clicking on that option it will navigate the user to 'Help/Contact us' section where the user will be provided proper guidance about how to us it and all his/her queries will be answered.