***Documentation: Group VII***

*Project Name: Shopping Cart*

***Milestones:***

1. *Home page and JDBC*

Description

The home page is created which will be displayed as soon as someone visits the site. The home page is divided into three sections – header, footer and the body. In the header part, on the left side, the user can select the operation which he wants to perform, i.e., Name of the Shopping cart. In the middle part of the header, the site logo is displayed. On the right sight of the header, two icons – Sign Up, Sign In and Cart are present. In the body part, Categories will be displayed in the form of Grid format. The footer will consist of the various information that will be helpful to the user. It will contain About Us, Help, and Useful links. On selecting the Sign Up button, the user is redirected to the registration page. If user ID or email already exists a message will be displayed as user already exists and redirected to Sign In page. On selecting the Sign In button, the user is redirected to the Login page. If the user does not have an account, he is redirected to the registration page from the login page. Validation operation is carried out in these pages. A database containing the user details is created and is mapped with the project using annotations. This database is used in the validation for checking if the user exists or not.

***Stories***

* Header: Shopping cart name, Site Logo, Sign in button, Sign Up button. (Time: 4 hours)
* Body: Images describing the Categories of shopping cart are included in the form of a Grid, On clicking the image it will open the respective page based on category, For example if user Clicks on Groceries category the page will be opened showing Groceries list with price and add to cart option. (Time: 6 hours)
* Footer: About Us, Contact Us, Help, Social Media Links and Icons are present in the footer. On clicking on the About Us icon, it will open the About Us page. On clicking the social media links, the user is redirected to that particular page (Time: 4 hours)
* Login Page: Accepting and validating user ID and Password by checking the user credentials with those stored in the database. If the user exists, he/she is redirected back to the home page as a logged in user and he/she can start adding items to the cart. If the user clicks on add to cart button, he/she is asked to log in before proceeding with the delivery, if he/she is not logged in. If the user does not exist, he is asked to create an account. (Time: 4 hours)
* Registration Page: Accepting User name, email id, Phone Number, Password, password and Confirm password. Followed by Validation against input requirements, stored in database. Two validations are carried out – one to check if the password and confirm password data match or not and second to check if the input data is according to the requirements set. The user is redirected to login page. (Time: 4 hours)
* DB Connection: Table creation for User details, Connection with project, Creation of POJO and DAO classes. Database connection is done using Annotations. This database is used for validation in Login page. (Time: 4 hours)

**Testing:** Individual and cross testing of stories, Testing of Integrated Stories.

2. Selecting Items and adding them to Cart

User can add the items to cart which he/she needs and he/she can view them by clicking on the cart icon on the top right corner of the page.

Stories

User can select the items he/she needs by following process.

1. On clicking the category displayed in the home page, respected items to that category will be opened with price tags and the Add to cart button to add that item to cart.
2. Item added to cart can be viewed by clicking on the cart icon on the top right corner of the page.
3. Return to categories button will be displayed in the top right corner of the body that is below cart .If user wants to add some more items from other categories to cart he/she can click on the return to categories button.

Same process will be repeated till the user finishes with his requirements.

1. User can go to Cart by clicking on the Cart icon showed in the top right corner of the page. In the cart page based upon the number of items and their price total price is calculated. If the total price is below 500 rupees shipping charge of 50 rupees will be added to the total amount. He/ She can click on Checkout button for further proceedings.(Time:6 hours)

3. Checkout

Once the user clicks on the checkout, he is asked to proceed with the booking. If the user is not logged in, he is redirected to the login page. If the user is already logged in, he is redirected to the booking page. Here the user is asked to enter the details of the user which are necessary to deliver the items to user’s place. The details include Phone number, address and pin code. These details are stored in a table against the user id of that particular user. Once done with these formalities, the user can click on the continue button which redirects him to a page where user can select the type of payment such as cash on delivery, Paytm wallet, debit card and credit card. After selecting confirm booking button will display the page with details of the items he added to cart with price details, phone number and address provided by the user.

Stories

* Accepting user details: Accepting Phone number, Address and pin code of the location. (Time:4 hours )
* Storing each booking details in DB against unique User ID with which user is logged in. (Time:6 hours )
* Clicking on continue button will display a page to select type of payment. (Time:3 hours)
* Clicking on confirm delivery button in type of payment page will display the items he added to cart with price details, phone number and address provided by the user.(Time:4 hours)

**Testing:** Individual and cross testing of stories, Testing of Integrated Stories or the Final Deliverable.