**Project Documentation: Group I**

Title: Online shopping cart

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**Milestones:**

1. JDBC

* DB creation: A database containing the user details is created and is mapped with the project using annotations. This database is used to validate user existence.
* 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)

1. Registration and Login Page

* **Registration Page**: Accepting User name, email id, Phone Number, Password, 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 the redirected to login page.
* **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 his/her bookings. If the user first selects the flight or the hotel, he/she is asked to log in before proceeding with the bookings. If the user does not exist, he is asked to create an account. (Time: 4 hours)

1. Home Page

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, the site logo is displayed. On the right side of the header, two icons – Register and Login are present. In the body part, images of products are given. These images will provide detail of products . The footer will consist of the contact information that will be helpful to the user. On selecting registration button, the user is redirected to the registration page. On selecting the Login 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 page.

Stories

* Header: Company Logo, Login button, Register button. (Time: 3 hours)
* Body: Products list will be displayed to user for selection. It will have options to add product in cart or buy the product. (Time: 5 hours)
* Footer: About us, contact us, 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)

1. Product description page:

Description

By clicking on product’s name under its image The user can check entire description of product as per mention by manufacturer.

This page will show zoom image of product, add to card and buy now options. On top right corner we have back option to get directed to home page. You can increase or decrease quantity of product.

Stories

* Title: Accepting Product name (Time: 4 hours)
* Returning Home page. (Time: 12 hours)

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

1. **Cart:**

Description

The products which user wants to buy is added to cart. Cart is get used for storing users favorite product and also calculating total amount of all products in cart. If user don’t want that product in future, there is a option to remove the product from cart. Also those products which completed payment options should get removed from cart.

1. **Buy Now page**

Once the user selects the product he wants , he is asked to proceed with the order confirmation. 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 address details . The details include name, Residential address and mobile number. 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 confirmation page.. On clicking the “Confirm and Buy” button, the user confirms the transaction and the booking is confirmed.

Stories

* Accepting address details: Accepting Name of user, Residential address and Mobile number for first time login. (Time:4hours )

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

1. **:**

Description

Once the user selects the hotel he wants to book, 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 each person. The details include name, gender and age. 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 the amount to be paid is displayed. On clicking the “Confirm and Book” button, the user confirms the transaction and the booking is confirmed.

Stories

* Accepting booking details: Accepting Name, Gender and Age of each person.(Time: 4hours)
* Storing each booking details in DB against unique User ID with which user is logged in. (Time:6 hours )
* Returning the calculated amount. (Time:4hours )

1. **View Past Booking and Confirmation:**

Description

The user is given the privilege of viewing his past bookings. A detailed description of the last bookings (including both hotels and flights) is displayed once the user clicks on this icon (present on the header of the homepage). This operation can be performed only if the user is logged in.

Another operation performed in this milestone is creation of the confirmation page. Once the user clicks on “Confirm and Book” button in the booking page, he is redirected to this page. Here he is given a brief description of his current booking details in the form of a receipt.

Stories

* Retrieve past booking details of hotels and flights against that unique User ID. (Time: 6hours )
* Confirmation Page: Displaying receipt of the current booking after confirming the booking. (Time: 6 hours)

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

1. **Admin Operation Section:**

**Description:**

The admin has to login first and then he has privileges of inserting products details in database. He can also update the records and delete them. For products details, there are Product identification number, product name, product price, description and manufacturer name.

Stories

* Login Page: Admin login and credential validation (Time:4hours )
* Create Details: Insert products details (Time: 4hours)
* Delete Details: Delete products details (Time:4hours )
* Update Details: Update Product details (Time:4hours )