**Documentation: Group VI**

Project Name: Lazy Days (based on Make My Trip)

**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., whether he wants to book a hotel or a flight. In the middle part of the header, the site logo is displayed. On the right sight of the header, two icons – Sign Up and Sign In are present. In the body part, images are given in the form of marquees. These images describe the various deals and packages available. The footer will consist of the various information that will be helpful to the user. It will contain FAQs, About Us, Help, and Useful links. On selecting the Sign Up button, the user is redirected to the registration 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: Company Logo, Sign in button, Sign Up button, Hotel or Flight options and Company Name Icons are present in the header. There are two different pages which are displayed, consisting of advertisements depending on whether the user selects hotels or flights. (Time: 3 hours)
* Body: Images describing the Destination Gallery are included in the form of a marquee, Current deals with respect to hotel and flight booking is described in the form of images. Also the packages available are displayed to the user. (Time: 5 hours)
* Footer: FAQs , About Us, Contact Us, Help, Social Media Links and Icons are present in the footer. On clicking on the FAQs icon, the user is redirected to a page which will consist of frequently asked questions along with the answers. 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 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)
* 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 the home page as a logged in user. (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 or the Final Deliverable.

1. **Searching Flights**

Description

The User can search for flights according to his requirements. For doing so, the user is asked to enter a few details which will help the server to narrow down the list of flights to the ones which match the criteria of the user. The details of the flights is present in a table, including the number of seats present in each flight class as well as the company name. Depending on the location, date, class and number of seats required, as specified by the user, a list of flights are displayed. The user can now select the flight which he wants to book.

Stories

* Accepting flight details: Accepting Departure and Destination locations, date of journey, Return Journey or One way trip, Flight Class and Number of passengers. (Time: 4 hours)
* Returning relevant flights and redirection. (Time: 12 hours)

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

1. Searching Hotels:

Description

The User can search for hotels according to his requirements. For doing so, the user is asked to enter a few details which will help the server to narrow down the list of hotels to the ones which match the criteria of the user. The details of the hotels is present in a table, including the number of rating of each hotel as well as the number of rooms available in each hotel. Depending on the location city, date, hotel rating and number of rooms required, as specified by the user, a list of hotels are displayed. The user can now select the hotel which he wants to book.

Stories

* Accepting Hotel details: Accepting Destination City, Check-in date, Check-out date, Number of rooms required, Number of persons, Hotel Rating. (Time: 4 hours)
* Returning relevant hotels and redirection. (Time: 12 hours)

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

1. **Flight Booking:**

Description

Once the user selects the flight 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 passenger. 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 fare 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 of each passenger, Gender and Age for each passenger. (Time:4 hours )
* Storing each booking details in DB against unique User ID with which user is logged in. (Time:6 hours )
* Returning the calculated fare. (Time:4 hours)

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

1. **Hotel Booking:**

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: 4 hours)
* Storing each booking details in DB against unique User ID with which user is logged in. (Time:6 hours )
* Returning the calculated amount. (Time:4 hours )

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

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: 6 hours )
* 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 both flight and hotel details in database. He can also update the records and delete them. For Flight details, there are flight number, company name, departure city, arrival city, departure and arrival time, class, number of seats available for each class, ticket fare for each class.

For hotels, there are details like name, rating, types of rooms, rent and available rooms.

Stories

* Login Page: Admin login and credential validation (Time:4 hours )
* Create Details: Insert Flight Details and Hotel Details (Time: 4 hours)
* Delete Details: Delete Flight Details and Hotel Details (Time:4 hours )
* Update Details: Update Flight Details and Hotel Details (Time:4 hours )

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