TRAVEL TICKETING SYSTEM

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Travel Ticketing System

- This project is designed for the purpose of customers who are willing to travel from one place to another.
- It will help them to plan their travels by providing a hassle free environment to book the tickets.

ADMIN

- Admin can login with valid credentials.
- On successful login he/she able to see the options all bookings add bus.
- Admin can add bus from source to destination.
- Admin can view the bookings of customers who ever had logged in and booked a service.

USER

- In the first page of the application user need to sign up using the credentials.
- Once the signup process is completed , he/she need to login using the sign up credentials.
- After successful login user will be displayed a screen having the options my bookings and plan travel.
- On selecting the plantravel , one can entry the necessary details accordingly like source , destination , no of passengers by searching the rote they want.
- After booking , they can view their bookings.
- By opening their bookings they can cancel their travel by clicking travel or they can view the ticket and can print it.

Scenario of showing the bookings of the logged in user:

Presentation:

- In presentation we use window.storage to store the value in the react of the user
- The stored username value will be sent to the server through the service function created in the bookingservice.

Dao:

- In the Doa layer we make a repository named bookingrepo.
- In the bookingrepo we will make a query using @query with list<booking>.

Service:

- In this service layer, we use the getmapping to get all the bookings and delete mapping foe cancel of booking.
- We creates a function for the get mapping to execute.
- The service layers with controller will process the request from the front end and gives back the response.

Scenarios where we got struck in the project:

- We as a team had make all possibles efforts to reduce the errors.

Front end :

- In the front we had struck in receiving the name of the user to carry that to next page
  Solution: we used the setstate property to define the name in the login page and carry that set property to next page and there we use getstate to receive that username to print there.
- After the login we encountered the problem of passing the value from the form which the user login name to pass to server to get the values of it from the server.
  Solution:we did the pocs in various ways:
  1. We firstly make the username defined in the previous page window,localstorage.setItem(“x).
  2. Then we make use of that with the getItem(“x).

Backend

- Spring Boot was creating its own table name (Table_name) if the name is kept in CamelCase (tableName) in the database due to which the columns were not mapped to the database table.
- In the spring boot we experienced quite some of the errors so we made sure there are working with url by using postman.
- The mybookings need to pass the username to the database and retrieve it to the front end but it is giving error of string undefined in the front end.
  Solution:Firstly we passed the value to the spring boot application by using the postman tool then we make sure it works and then we proceeded with next step of making in the front end.
- To view the ticket of the logged user had shown error and the a timestap error is giving in the server or browser.

  Solution: we made of the url given in the spring boot and the controller and doa layers are defined properly and checked in the postman tool.

WHAT WERE YOUR LEARNINGS DURING THIS PROJECT?

- The first thing that we learnt is that without proper requirement we should not start the project.
- Team work will play a major role in creating a project effectively and efficiently.
- We learnt to develop Full Stack application and learnt howPresentation Layer interacts with the Service Layer.
- We have learnt how to use component talking, routing between two components.
- How to Authenticate User Credentials when the user logins to respective account with the doa present in the springboot application
- How to implement tables in Hibernate.
- Implementing the entire three-tier architecture using react as Presentation Layer, Spring Boot as Service Layer and Hibernate asDAO Layer Framework.
- Doing a small POC first before applying the logic in the projectcode.
- Always first check the value returned by a function by writing console.log() and looking at Console in the Developer Tools of thebrowser window.
- Scheduling and prioritizing tasks using ASANA by creatingsprints.