

Project Based Learning: Tour and Travels Online Booking System

Abstract

In this website all kind of tour and travels online booking service provided.

Problem Definition

- User registration, user login, edit profile, change password.
- Admin login, edit profile, change password.
- Add/edit/suspend city
- Add route/ edit/suspend route between two cities.
- Add/edit/suspend Vehicle type
- Add/Edit/suspend vehicle (vehicle id, vehicle name, company name, capacity,ac_non_ac)
- Add/Edit/Suspend driver account.
- Driver Vehicle allocation.
- Vehicle booking, add/edit/suspend.
- Reports on the basis of the vehicle list, vehicle booked, user, date wise report.
- User will search vehicle from one city to another city with date. In result you will show the list of the vehicle which are free on that particular date. After selecting vehicle user will book the vehicle and pay the booking amount. Pickup and dropping point will also selected. If vehicle is booked for whole day. For example user booking cab from pune to nasik for 3 days, the cab is with user for 3 days. And charges will be applicable accordingly.
- User booking history.
- Driver booking history.

Business Requirements

- Use layered based project development like com.yash.oas.restcontroller will contain all controller com.yash.oas.repository for repository. Here OAS is name of project.
- Application has to be created on spring boot and Angular.
- Angular should be used to create presentational layer.
- Validation need to be managed properly.
- Use of logging should be done.
- Proper exception handling should be done
- Security should be implemented.

Project Based Learnings

Evaluation Parameter

- Modular approach should be used in application development.
 - Class level
 - Method level
- Should make use of interface and inheritance in appropriate situation
- Application code should be well documented.
- Application code should be reusable
- Small method size not more than 15 to 20 lines of code
- Proper use of the naming conventions.
- Optimized logic.
- User Friendly GUI
- Accuracy of Calculation in reports
- Time line Delivery
- Completion Status

Limitations

- Spring boot & Angular
- Use MySql database

Good Luck