**Trip Planner**

**Project Scope:**

To create an online application for the users where they can book transport and hotels for the selected holiday destination. The application can be made either as Web Application, Mobile Application or Desktop Application.

**Required Features:**

* User should be able to choose a holiday destination.
* Once selected show them different modes of transports and give them option to choose a particular way to reach.
* Transport should contain at least two modes to reach the destination

(E.g.: Train-Cab, Flight-Bus, etc.)

* Simple reservation for transport booking. Should generate tickets.
* Hotel Booking with some filters and sort logic.
* User should have an option to skip hotel booking.
* Show them total cost for the trip and checkout gateway to confirm their trip.
* User should be able to check his planned trip whenever he wants.
* User should be able to check his transport details when he enters ticker number.
* Handle data and errors properly. Show appropriate messages to user.
* Create a good UI for good user experience.
* Plan a good architecture pattern for the project.
* Provide security for project.

**Suggested Stack:**

1. **JAVA Track:**

* Java 8
* Angular 6+
* Maven
* Spring Boot 2.x
* SpringREST
* Spring Data JPA
* Postman
* Oracle/Postgres
* JUnit 5/Mockito
* Sonarqube
* JACOCO

1. **.NET Track**

* C#
* Asp.net
* EntityFramework
* Angular 6+
* MSBuild, MSTest/NUnit,
* SQL/MySQL/Oracle/Postgres