



On the Roads - Trip Planner

Minor Project

Disclaimer

This Software Requirements Specification document is a guideline. The document details all the high level requirements. The document also describes the broad scope of the project. While developing the solution if the developer has a valid point to add more details being within the scope specified then it can be accommodated after consultation with IBM designated Mentor.

INTRODUCTION

The purpose of this document is to define scope and requirements of a Road Trip Planner for a leading Travel Company. The company plans to launch it as a free service from their website for their registered users. The application leverages Google API for fetching the required information.

The proposed system is targeted to assist the traveler to plan a trip with ensuring critical information is available for the trip.

1. Look up routes based on Source and Destination.
2. Must Experience – Popular Categories in the Selected Route.
3. View Stopovers falling in the selected route.
4. View utilities.

This document is the primary input to the development team to architect a solution for this project.

System Users

The registered users of the travel company's portal shall use the application to plan their trip with optimal routes and enriched information about what all is available and can be accomplished on the way.

Assumptions

1. A website for the travel company exists.
2. Users can register themselves from the website. For the purpose of this project, enter user data from the backend.
3. The useful information like places of interest, utilities etc. can be accessed using Google's Places API. In case the developer is not able to leverage the contents, a list of masters can be maintained in the application to service the required information to the user. The developer may populate data from the backend for testing and demonstration purposes of this project.

REQUIREMENTS

Basic System Operations

The system displays a form to enter/ select source and destination cities for the trip. The request is processed by using output returned by Google API for the routes and various categories of information for those routes. The user gets to view the routes as 'Route A', Route B with Number of Kilometers, Approx time to reach by Public Transport or Car.

The user may proceed to view more information by selecting one of the route options. The system displays a page with sections such as

1. Travel Modes

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2. Must Visit: The system displays sub categories like (Sight seeing, Shopping, Buy Famous Products) in the Selected Route.
 3. Stopovers: for food or overnight stay like list of Motels, Inns and Hotels falling in the selected route.
 4. Utilities: Fuel Stations, Breakdown Services, ATMs, Healthcare Clinic, and Pharmacy.

On click of any of the sub categories the system displays the meta information like address, contact phone, Approx distance from Railway Station/ Airport/ Bus Stand.

All the entries display their votes based on number of times the users have voted for them using a follow up link sent on their mail. Comments can also be viewed to get a shot of user's experience.

A weekly update on how many users are going to trip planner and finding information useful along with their feedback on which all categories of information would be useful.

An email goes to user to visit the website and vote for the service used during the travel. In case of any specific feedback, they can post the comments as well.

DEVELOPMENT ENVIRONMENT

On the Road Trip Planner will be developed as a web application using Java language. Eclipse will be used as the IDE for the same.