TRIPPYZ-The Trip planner Application

Abstract

As travel becomes more accessible, there is an increasing demand for tools that simplify the process of planning trips. To address this need, we propose a trip planning application that generates travel routes based on time and budget constraints.

Users can input their travel preferences, including the desired length of the trip, budget, and preferred activities. The application then generates a route that maximizes the user's preferences within the given constraints. The route is presented on an interactive map that displays information about each destination, including popular tourist spots. The user interface displayed will be developed using the React JS.

The Map shown will be based on the google Map API, Google maps API allows maps to be added based on google maps data to an application. The API itself handles access to google maps servers, data downloading, map display and respond to map gestures. API calls can be used to add markers and overlay to a basic map, it will improve user interaction with the map. The API allows to build location aware apps for the local places nearby. This will be done using Express JS.

MongoDB helps to store the user data and also works for creating nodes for the data fetched from the Google Map API entered by the user. With the help of the version of Dijkstra's algorithm it suggests four feasible path available in the database. The routes shown will corelates with the user demands. All the errors are logged by using Winston.

KEYWORDS: React JS, Express JS, Mongo DB, Winston, Google Map API.

TEAM MEMBERS

Rohan Anil Kumar
Sidharth M
Adithya Krishna
Athullya R