Travel Buddy

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Description

Travel Buddy is the ultimate companion for travel planning. With user security and convenience as our top priority, we have created an app that makes travel planning fun.

Features

- User Profile - Unique authentication (username/ password)to keep our users information secure
- Create/Save Trips - Create new trips & view list of planned trips to keep our users organized
- Google Maps API Integration - A visual representation of our users intended journey

Planning - User Stories

Travel planning can be a tedious process. With our application users will be able to create multiple trip itineraries including details like the starting location and ending location. They will also be able to save,delete and modify these trips at will.

Useful for travelers searching for the best routes available through our integrated maps.

Planning - Database

- Connection of User data and Trip data with corresponding User ID and Trip ID
- Saving user and trip data to MySQL database with relationship mapping of users to their trips by id numbers
- Hashing of users passwords to be stored in database

Technology Stack

- Java, JavaScript, HTML/CSS, TypeScript
- Angular + Bootstrap
- Spring Boot
- IntelliJ, VS Code, MySQL
- Google Maps API

Demo

What I Learned

- A more in-depth use of Angular, including adding Bootstrap features to our pages
- Connecting the Angular front-end to the Java back-end
- Creating a User Profile and having the ability to logout and log back in to that account
- How to encrypt a password, using BCryptPasswordEncoder, that is integrated on the backend as well as the frontend

What's Next

- GeoLocation - Allowing the user to "skip the step" of having to add their current location
- Allow the user to save points of interest to their trip, such as gas stations, rest stops, lodging, activities, dining options, etc.
- Allow the user to modify existing trips
- Offer selection of Alternate Modes of Transportation to include public transit, biking and walking
- Email newsletters with updates and Featured Trips for Users