

Road Trip Planner



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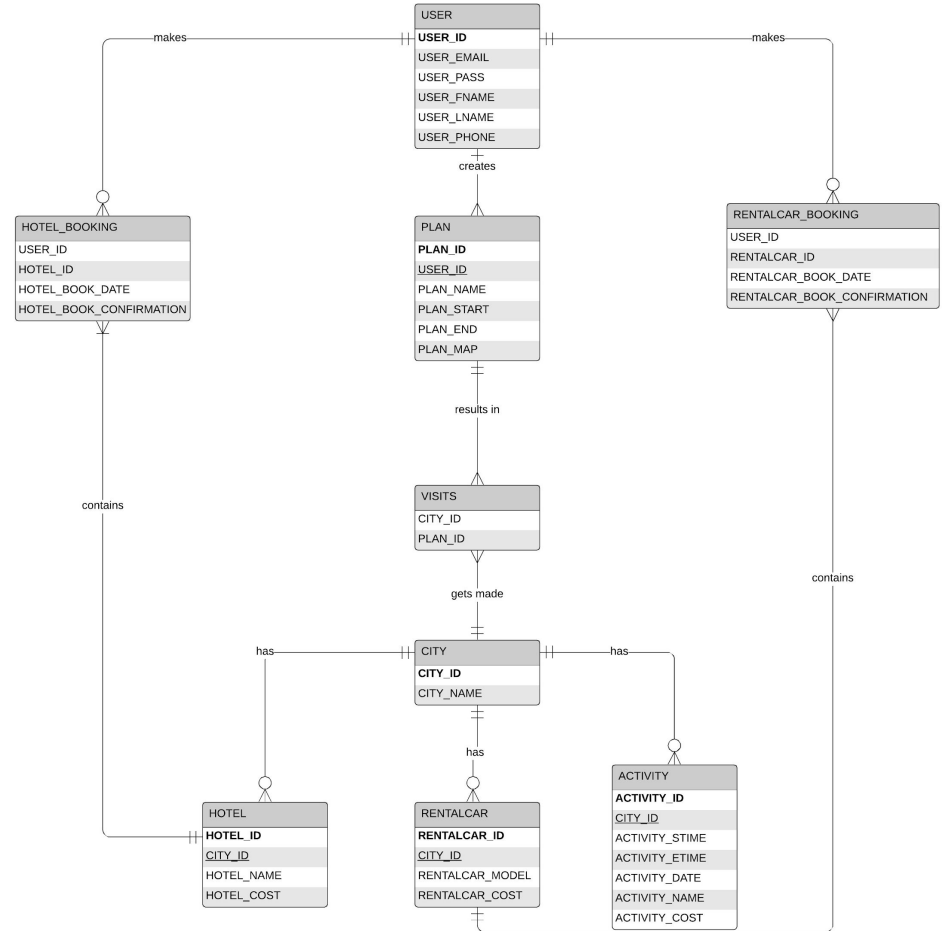
Problem Statement

Our application is generated towards travelers who like to travel with a plan or keep many travel itineraries. Users will be allowed to create and organize their itineraries with all of pertinent information- hotel and car rental bookings, activities etc. Integral to our road trip management system will be our MySQL database -it will allow us to store, retrieve, update and remove road trip plans as well as set up user authentication. We believe an application like this should remove a lot of headache that comes with having to plan a vacation in your head and will instead make the whole process a lot more organized and exciting. This application is effective for travelers to save time and cost of travelling.

Functional Requirements

- Allow user to sign up for an account (input needed: email (string), password (alphanumeric) - user validation operations will be conducted)
- Allow user to log in and log out (user authentication operations conducted)
- Allow user to change password (input needed: new alphanumeric, update operation conducted)
- Allow user to create a new road trip plan (inputs needed: name (string), start date, end date - create operation)
- Allow user to see all created plans on front page (read operation)
- Allow user to delete plan (delete operation)
- Allow user to modify plan - like name or range of dates (update operation)
- Allow user to upload, update, or remove a map image of their proposed road trip (input needed: image (not mandatory), create, update, and delete operations)
- Allow user to record cities they will be visiting (inputs needed: name (string), start date, end date (must ensure that this range of dates falls under the general plan's range of dates) - create operation conducted)

ER Diagram



Tools we used

- PopSQL
 - Used to be able to collaborate on the database
- IntelliJ
 - Software used to develop the project
 - Project written in JavaFX
- Github
 - Used to store our project so we could collaborate
- GroupMe
 - Used to stay in contact with each other
- Google drive
 - Used to store our live documents and ideas
- MVC model used

Demo