PLAN & TRAVEL

Project Proposal

Prepared for: She codes Final project

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Subject

The application will help travellers to prepare, plan and document the trip without forgetting important things, and be ready during the whole trip in its each step.

Authenticated user can create multiple trips, view, edit or delete them.

Every trip will include navigation with the next options:

- Preparation. User can create a new category and add note/s into it. For example: category: Required documents with notes: id, vaccination certificate and etc.
- Period of trip. It can be changed.
- Stays. User can create a stay place like hotel or apartment with date, name, price and notes.
- Visiting. User can create list of visiting places that will contain date, link, price and additional notes.
- Transportation. User can create a list of transportation that he intends to use during the trip.
- Expenses. User can create expenses list and update it during the trip, create inner categories for types of payment.

Why did I choose this topic?

Planing trip is the most interesting, important and easy way to be ready for the trip and enjoy from it without wasting time for additional searching.

When I traveled I always wanted to have one application for all the required things. Instead I used different notes applications but it was still difficult to find important things fast.

Solution

My application will consist of:

- UI: React with Redux with Material UI design system.
- BackEnd: Node JS with Express.
- DataBase: MongoDB, will contain trips information for each user and user data for authentication.

Additional technologies

- Bootstrap for CSS.
- UI and BackEnd will run on Replit platform.
- MongoDB instance running on MongoDB cloud (free account) or Google Firebase service (because in MongoDB one has to specify the exact scheme and in the app each trip will consist of different fields).
- Unit Tests using @testing-library.
- UI design in Figma (probably).

She codes background

I finished Web, JavaScript and React courses in she codes with no previous knowledge.