Tripplanner

A mobile application for planning trips. Users can use it to keep information about transportation, accommodation, activities during trip and other details all in one place.

# Main groups of trip data

## Transportation

Booking details (flight, train, bus …) including reservation code, departure/arrival date and time, note regarding the trip and even photo of ticket.

## Accommodation

Address, date from/to, any note regarding the place.

Can include how to get there and map.

In advanced form can show ads from potential places (hotels, Airbnb…).

## Activities

What to do on the trip: sightseeing, participating in events (festival, shows, sport…) or simply what user wants to do e.g. lying on the beach all day.

Contains location of the activity, description, date and time, duration.

Can show reviews from various data sources.

## City transport

How to get around the city (or whatever destination it is).

Info about type of transport (metro, bus, taxi…), ticket price or fare price including special offer e.g. 3 day travel card. Transport system map (public transport).

Easy access to taxi-like apps (Uber, Lyft…).

# Level of complexity

In the most basic form user will have to fill in the details in textboxes.

Advanced behavior would be capturing all the information from a photo (image analysis) or extracting the data from raw source like text or email. When user enters destination name some basic information should be generated in each section (e.g. basic info about public transport system in City transport).

Another level will be connecting to transport service provider and fetching the information (perhaps through REST API or similar). Also should be smart enough to show relevant ads for the selected section (e.g. hotels in Accommodation or sport events in Activities).

# Server side

In higher level of complexity there should be a few server services facilitating the app activities.