

Project Proposal

CS320 Fall 2022

Company Name:

[Potassium]

Application Name:

[Trip Planner]

Proposal (≥ 300 words):

For our project, we propose to create a traveling application. The primary job of this application is to simplify and consolidate the complex and involved process of planning and managing a vacation. The intended audience for this application are individuals and families who like to vacation: generally people around the middle to upper socioeconomic class who can afford this luxury. Additionally, people who travel for business or other non-vacation purposes can also use this app, but these people are not considered as the primary audience; we'll be incorporating a lot of features focused on aspects of vacationing which non-vacationing users will not be able to utilize. Furthermore, the scope of this application will be entirely domestic (traveling within the United States): we will not be implementing any services for international vacation and traveling. So our app will be geared towards the average American, which means the app will only be in English.

Here are the primary features of our application. Users should be able to choose an intended vacation location (a city). Users should be able to choose the date they intend to stay at the location (start date and end date). Users should be able to choose a place to stay. The application will let users view all nearby restaurants and users can form a meal plan (breakfast, lunch, and dinner). Users should be able to plan their transportation options. Popular local attractions, such as amusement parks, museums, and malls will be listed in the application. Users should also be able to add collaborators to their vacation plans and share their plans with these collaborators. Users will also be able to add watchers for their safety, which means users can pick trusted sources and give them access to track the current location of the user during the user's vacation. The application will also consolidate all flight management information, which includes flight dates, locations, times, and terminals. Finally, the application will let users keep a personal diary for all their vacation trips. Each entry of the diary will be a personal reflection of the trip, which can include a record of places visited, food eaten, and photos. Here are some of the challenges we will face while implementing this application. First of all, there will be many hard to implement features: we will need access to several APIs, such as restaurant locations and flight data. Additionally, the UI will have many complex components, such as the personal diary which will need a built in text-editor that is also compatible with images. Overall, this project is a very ambitious project, and we will have to work very hard to complete all the proposed features.