

## CS 329E Application Idea Paper

**Group Number:** 1

**Group Members:**

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**Application Name:**

venture

**General Description:**

This application will include features to allow for simple and convenient planning of trip itineraries to several major tourist cities around the world. Currently, trip-planning often involves just making a Word or Google doc and inserting links to other websites. We aim to consolidate things into one location: VENTURE.

Features will include the ability to create your own itinerary, save the details of your booked flights, provide real-time train/subway schedules, and suggest popular restaurants and tourist attractions in the area, all while setting and maintaining your budget in various spending categories.

**Feature List:**

- Login/Registration Page: Firebase backend with Google user authentication will be implemented.
- Configuration/Settings Page: Available user options (user profile, themes)
- Itinerary: This feature will let the user create a digital itinerary. The user will have the option of using either an hourly or daily schedule template. Potential attractions, restaurants, and transit options can be added to this itinerary via the corresponding features.
- Transportation (Challenge Feature): Ability to save booked flight and/or train details and export to user-made itineraries. Also the ability to pull and save public transit routes from web resources and export to itinerary.
- Pull Food: Ability to pull lists of popular restaurants in the area of interest from web resources and view user ratings. Users can export a restaurant to their itinerary as well, at a desired time slot.
- Pull Places: Ability to pull lists of popular tourist places in the area of interest from web resources and view user ratings and comments.
- Budget: Ability to set a spend limit in various categories and track whether your transactions put you under or over budget

**Target Audience:**

Anyone who enjoys traveling and likes to have well-organized travel plans, versus just improvising their trip. Also, those who consider the reviews and opinions of others when deciding where to eat/visit. The following are a few reasons for why someone would enjoy our app:

- It reinforces safe-spending-habits by actively tracking your expenses.
- It increases efficiency in planning for travel to multiple places by putting it all in one app.
- It provides for a more organized and therefore, more enjoyable travel experience.

**Development Plan:**

Alpha (3/22)

- Login/Registration
- Configuration/Settings
- Itinerary

Beta (4/12)

- Pull Food
- Pull Places

Final (5/3)

- Transportation (Challenge Feature)
- Budget