

Project Charter
Team 21

Team Members: Kunwar Sahni, Yash Bansal, William Kao, Ibrahim Saeed, Grayson Harralson

Project Statement:

It can be difficult to plan a large trip using various services to book and keep track of flights, hotels, rental cars. That is why our project will make travel easier through aggregating all travel information into one master itinerary. There are existing services that attempt to create master itineraries but none automatically crawl through emails to create the said itinerary. Using this will allow our app to create a simplified and organized final product.

Project Objectives:

1. Build a web and or mobile app which will be able to provide users with a timeline to view and manage travel itineraries
2. Curate confirmation emails and successfully extract relevant data (confirmation numbers, dates, etc...)
3. Create user profiles for storing present and past itinerary data and secure information
4. Develop a backend with a database to store information about past and present travel itineraries, email data, etc.
5. Develop a user-friendly frontend that makes it easier for users to manage, create, and delete their travel itineraries

Stakeholders:

Project Owners: Kunwar Sahni, Yash Bansal, William Kao, Ibrahim Saeed, Grayson Harralson

Project Manager: Jiannan Wang (wang4524@purdue.edu)

Developers: Kunwar Sahni, Yash Bansal, William Kao, Ibrahim Saeed, Grayson Harralson

Users:

- People who travel frequently
- Tourists
- Families
- People who travel in groups

Deliverables:

1. Native iOS App using Swift/SwiftUI or Web App built using React extracts and manages travel itineraries from emails.
2. Backend that manages user authentication and itinerary storage using Firebase
3. Server that analyzes user's data to create itinerary using AI/ML on Google Cloud