

Team 18 Project Charter

Wander

Team Members:

Venkata “Sai” Edupulapati, Akshaya Kumar, Shreya Sanapala, Theerapatra “Visa” Thongdee, Vidya Vuppala

Project Statement:

Traveling the world can be a very fulfilling experience; however, planning the trip itself can be extremely challenging. Enter Wander, a website that provides an all-encompassing solution that simplifies the process of travel planning and ensures quality entertainment along the way.

Through the use of personal music preferences and external travel data, our website creates 1) a customized music playlist to enhance the journey from the user’s starting point and 2) an itinerary of popular attractions to visit based on a user’s destination. While there are existing applications that provide generic travel itineraries, our website eliminates tedious planning and prioritizes the journey, not just the destination.

Project Objectives:

1. Gather user data – destination, music preferences, and location characteristics.
2. Generate customized playlist based on user data, travel time, and destination.
3. Build a website to display map, total travel time, and playlist.
4. Create user profiles to save travel history and past music preferences.
5. Implement capability for users to export and download generated itinerary for offline use.

Stakeholders:

Users: Travelers, inexperienced to frequent, who want a simplified, stress-free travel planning process and are looking to liven their journey with individualized music.

Developers: Venkata “Sai” Edupulapati, Akshaya Kumar, Shreya Sanapala, Theerapatra “Visa” Thongdee, Vidya Vuppala

Project Manager: Mingwei Zheng

Project Owners: Venkata “Sai” Edupulapati, Akshaya Kumar, Shreya Sanapala, Theerapatra “Visa” Thongdee, Vidya Vuppala

Deliverables:

- A React JS based front end website that serves as primary user interface for user to pick locations and receive playlist
- A Firebase backend to authenticate and save user data
- A Spotify-API based algorithm to generate customized playlists based on user’s listening history and location

- A travel-API (e.g. Google, OpenTripMap, Yelp, etc.) based algorithm to create itinerary and estimate travel times
- A user-facing interface to export and handle offline usage of playlist and itinerary