

Jason Karasev
Capstone 2: Initial Project Ideas

Idea #1(MAIN): Collaborative Playlist

This project aims to solve the problem of organizing group music selections for events by allowing users to create password-protected collaborative playlists. By using the Spotify API, users can invite others to contribute songs to a shared playlist for events like weddings, weekend getaways, or parties. The platform will provide a seamless way for people to build a playlist together, even before the event, making the music selection process fun and interactive. Users will be able to securely access and add to playlists with a password, ensuring that only invited participants can contribute.

API: [Spotify](#)

Idea #2: Travel Log

Develop a dynamic web application where users can create personalized accounts and curate their favorite travel destinations by pinning them to an interactive map. The platform will allow users to explore cities through various categories such as Food, Bars, Desserts, Museums, Parks, Shopping, and more. For each pinned location, users can add a brief description or highlight their favorite aspects of the spot.

This application not only helps users keep a detailed record of their travel experiences but also makes it easy to share these curated lists with friends. A built-in social feature will enable users to connect with friends, view each other's pinned locations, and discover new places based on their recommendations.

The inspiration behind this concept comes from my frequent travels and the countless times friends have asked for recommendations on what to do or eat in cities like New York. This platform will serve as a go-to resource for travelers looking to explore new destinations with trusted suggestions from people they know.

API: [Google Maps](#)

Alternative: Mapbox

Idea #3: Course Builder

Develop a web application that enables users to create and customize their own courses by integrating video content from platforms like YouTube or Vimeo. Users can organize their

courses into sections, each with a unique title and a brief description that outlines the lesson's main objectives.

Example Use Case:

A user might want to create a course titled “Coffee Pour-Over Techniques.” Within this course, they could upload a series of videos demonstrating various coffee-making methods. Each video would be accompanied by a short description and highlighted notes from the author, pointing out key aspects and tips to pay special attention to during the lesson.

For Course Creators:

Course creators will have access to a dedicated management page where all their lessons are listed. This page features a user-friendly interface with a dropdown menu that allows creators to easily rearrange the order of videos to optimize the learning flow. This arrangement tool is only visible to the course creator, ensuring a streamlined experience for other users.

For Learners:

After watching each video, learners can click a “Complete” button to mark the lesson as finished. Once all the lessons in a course are completed, the course will be highlighted in the user's course list—either by changing its color or adding a star icon—indicating that the course has been fully completed.

API: [Youtube API](#)