| **Description** | | | | |
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| **This will be an app that allows you to generate an itinerary based on a few forms that the user will fill out. Questions in these forms will include where the user wants to make their itinerary at, number of activities that they want to include, and what category they would like for each category. Based on these results, a request will be sent to the Google Maps (Places API) for those searches. A random place will be picked for each activity in those categories. The user can save, edit, and delete that itinerary. The app will allow multiple users to save their itinerary.** | | | | |
| **Stack Focus** | *Is the front-end UI or the back-end going to be the focus of your project? Or are you going to make an evenly focused full-stack application?*  It will be a full-stack application using Python with Flask for backend and HTML/CSS/JavaScript (simple) as the frontend. | | | |
| **Type** | Will this be a website? A mobile app? Something else?  This will be a website. | | | |
| **Goal** | What goal will your project be designed to achieve?  My goal is to allow people to quickly populate a day itinerary without going the extra mile of needing to plan or make too many decisions. They can use it to plan a vacation or for any day. The spontaneity element of this app allows the user to explore different places and try new things. | | | |
| **Users** | What kind of users will visit your app? In other words, what is the demographic of your users?  This app is designed for users of all ages and demographics who want to generate an itinerary and who might be looking for a spontaneous adventure. | | | |
| **Data** | What data do you plan on using? How are you planning on collecting your data? You may have not picked your actual API yet, which is fine, just outline what kind of data you would like it to contain. You are welcome to create your own API and populate it with data.  In this app, I will be using Google Maps Places API to fetch places that the user will add to their itinerary. | | | |
| **Schema** | User id [PK] first\_name last\_name username password | Itinerary id [PK] user\_id [FK (user.id)] name location num\_activities | Itinerary\_activity itinerary\_id [PK] activity\_id [PK] | Activity id [PK] title category link address phone\_num |
| **User flow** | 1. Homepage    1. Nav       1. Login/signup (if user not in session)       2. Logout (if user in session)    2. Display user profile if logged in. Ask user to sign up or log in to start planning an itinerary. 2. User profile    1. Button to create a new itinerary. Clicking it will display a form to complete to create an itinerary.    2. List all of the user’s itineraries on the user’s profile 3. Itinerary Details    1. Display the location that the user selected for this itinerary    2. Show all the details of each activity, including name, link, address, and phone number. 4. Itinerary form    1. Where they want this itinerary they want and the distance (radius) of how far they are willing to travel    2. Number of activities they want (max 5)    3. Populate the number of activity inputs they want and allow the user to choose the category they want.    4. Upon submission, send requests to Google Maps API and generate an itinerary    5. Redirect to the user profile 5. Itinerary edit form    1. Allow users to edit their itinerary. They can delete the itinerary and its entirety or remove certain activities or generate a new activity. | | | |
| **Further Study** | 1. Adding friends - All profiles are private (people can’t see itineraries) until a friend request is sent and the other person has accepted. 2. Advance searching/sorting - Users can add filters before submitting their form, such as rating and price. 3. Exporting your itinerary - allowing the user to export their itinerary through google calendar or share it through a link | | | |