CYES
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Leisure Activities Based on Weather

THE PLAN

1) Get Flask app up and running - Carol
2) APIs and Templates
    a) APIs - create an easy way to access desired information on each of the APIs
        i) Weather Channel/ Wundergound
            (1) Input: zipcode OR location - use background words in the input box to give examples
            (2) Output: weather forecast in that area OR flash "invalid location" [and "did you mean __location___" if we have time - do it by having a list of popularly-searched locations we know and then match search character by character]
        ii) NYT Book Reviews
            (1) Input: none [if time, add genre option]
            (2) Output: top TEN trending books
        iii) EventBrite - for residents of a location
            (1) Input: today's date
            (2) Output: top
    b) Templates - create the basic outline for the templates with CSS and Bootstrap first. Then, implement any Jinja and interaction with the app.py
        i) Homepage —> at the top left hand corner - as a floating box(however you do that) have a question and a button that says: "Have you saved your API keys yet?" - Button says: "Show me how!" —> The button will link to **keys.html**
            (1) **keys.html -** shows instructions on how to procure the 4 api keys, then the form to enter the four keys —> redirect to **file.html -** download formatted files
            (2) file.html - downloads the file to the root folder; shows the file contents and that it is being downloaded on the webpage; has button that returns to homepage
3) Fix up the design doc and devlog with edits concerning changes in the project.

The IDEA

1) Weather-based leisure - *** Make user initially get ALL 4 API keys**
    a) Based on the weather, the website will suggest possible activities to do
        i) SIMPLEST IDEA: Given a zipcode, give weather and activities (NY only) ← all others filter through this
        ii) Use movie api for types of activities (if we have time)
        iii) If it is good weather outside, then suggest outside activities
            (1) https://data.cityofnewyork.us/browse?category=Recreation&provenance=official&q=&anonymous=true&sortBy=relevance
                (a) This is the API for New York City's OpenData. Here, there is a wide array of options for APIs concerning recreational activities. And none of them require keys and there are no visible quotas.
                    (i) Question: Is this user-friendly enough?
        iv) If it is not good weather outside, suggest inside activities or activities that require you to leave the house, but generally take place inside
            (1) May incorporate movie api here.

v) Foresight one day(maybe three days) - if it is nice today, but it will rain tomorrow, then add a note at the top and suggest that they go out today BECAUSE it will rain tomorrow

vi) Make a note of whether it is a weekday or a weekend, and suggest accordingly - I.e. homepage will ask: “Are you a student or working adult?” Then, we can suggest based around a school or work schedule if necessary. - We can give certain activities a time tag to more easily filter through them

vii) Then, if you’re a resident (within New York), we’ll show you trending movies in theaters and use the Eventbrite API; if you’re a visitor, then we’ll show you tripadvisor AND eventbrite things.

Home Page takes in:

- Zip code
- Age category (ex. Student, Worker, N/A) - dropdown menu

APIs we’re using:

- Tripadvisor
- EventBrite
- NYTimes Book Reviews
- Wunderground

Notes:

- I, personally, think two people should be working on the back end, and one person should be proficient in the APIs we will be working with (everyone should have a base idea, but the API person should know the ins and outs of the API(s) we are using by the due date.
- Talk about the argument for the weather apis
