Team: DamnCthatQT
Members: Donia Tung (PM), Carol Pan, Taylor Wong, Wenxuan (Queenie) Xiang

Date Planning Website: for all of your dating needs!

A Brief Overview:

We are planning to create a website through which users can plan dates with their significant others, as well as a diary of sorts through which they can look through old dates. Upon creating an account, users will answer certain questions concerning how they enjoy spending their time, and we will use this data, along with the Eventbrite API to curate a homescreen with suggestions for potential date spots. There will also be a function in which users can request information about a specific kind of event/action (like dinner, concert, etc), and the site will return a list of suggestions about where to do such activity. Once a user decides they would like to plan a given event for a date, they can select it to add onto their agenda. Once the date comes to pass, the user can upload pictures from that day, and we may add some sort of diary-like function where they can also log a couple of sentences about their date or maybe even just answer a couple of questions. Ideally, we'd have this feature on a map and sorted per person (so all of the dates with one person would be on the same map), and users could click around the map to see all of the places they've been.

A list of program components (different files to do different things, data structures, functions) with role of each specified:
- Data structure: SQLite
  - Role:
    - Keep track of user information
      - User can create accounts to store their preferences, etc.
      - Their preferences will then be used to predict what kind of events they'll like and show up on home feed
    - Keep track of dates
      - Link data to account / accounts that created the date
    - Organizes history of dates between two people
      - Images? Diary entry
- Python files
  - Roles:
    - Access SQLite data
      - Extract information from it
      - Store new information into the database

- ○ Access APIs
  - ■ APIs being used:
    - ● Eventbrite
    - ● Restaurant one (not sure which one yet)
  - ■ Obtain information from the APIs

- ● Flask App / HTML
  - ○ Host the site
  - ○ Provide user interface

- ● D3/JS
  - ○ Allow site fluidity
  - ○ "Map" past dates using images

Explanation of how each component relates to the others:
- ● Python files will access the SQLite databases
- ● Python files will access API files
- ● Python files will obtain all the information that'll be sent to the Flask App
- ● The Flask App will then send to HTML
- ● HTML will display the appropriate information

Database Schema:
- Account→ stores likes and dislikes

Account ID	Password	Likes	Dislikes

- Suggested events based on those done by others who've expressed similar interests/ attended similar events in the past

Event	Similar Events (stored in a list?)

- Date Plan (used when accessing History as well)

Account ID	Date (as in day, month, year)	Locations/Events to attend/attended	with whom?

APIs:
- Google Maps
- Eventbrite
- Restaurant(?)
- Cloudinary (advanced - image hosting)

Site map for front end:
- Have a general feed of specific events : "Home Page"
- Specific search: for specific restaurants, dates, etc.
- History: Look back on past dates (like on a timeline or map) (MAYBE: upload photos) (separate by date? -- person you're dating, not the actual date or calendar date)
- Some kind of incentive / rewards system
    - Raise a plant! Water it with each date you plan
    - Points for every date / place visited? Leaderboards?
- (maybe?) Add their own events

Work Distribution
- Donia = Project Manager → Makes sure the group is consistently moving together, handles (minor) coding tasks as necessary, makes certain the design document is coherent and that the group is adhering to the agreed-upon design, ensures the devlog is updated
- Carol → d3/js for the map part, backend for the diary-style portion of the site
- Taylor → Front end CSS, linking everything through app.py
- Queenie → Set up databases, backend for the planning portion of the site

Index: about our
website, developers,
etc.

YES — Login: Have
account? — NO

Homepage ← Sign Up Page

Go see
general date
events?

YES

Events Feed Page

Search
specifically?

YES

Search Page

View
Account? — YES

Account Page — Update
Settings? — YES — Settings Page

Delete
past
history? — YES — Confirmation Page

View
memory
map? — YES — Memory Map
Page