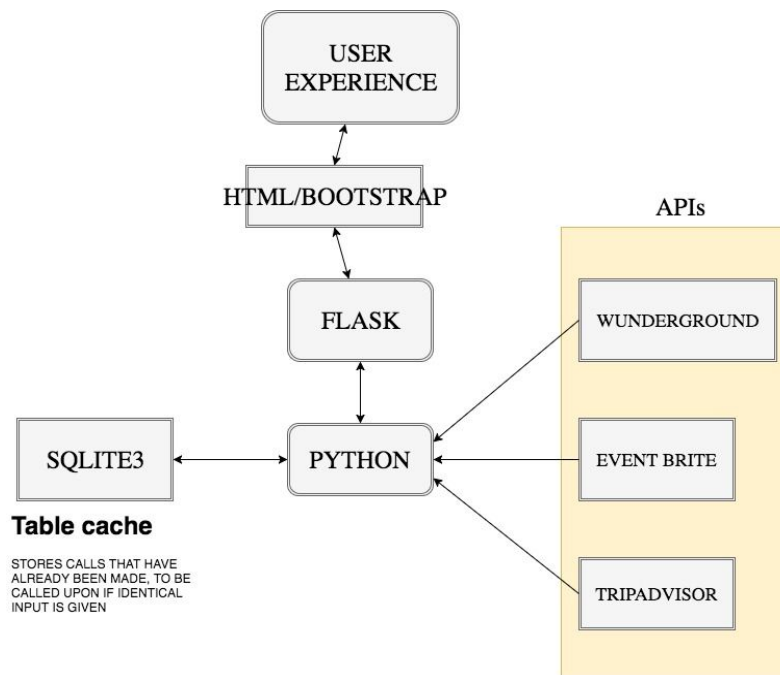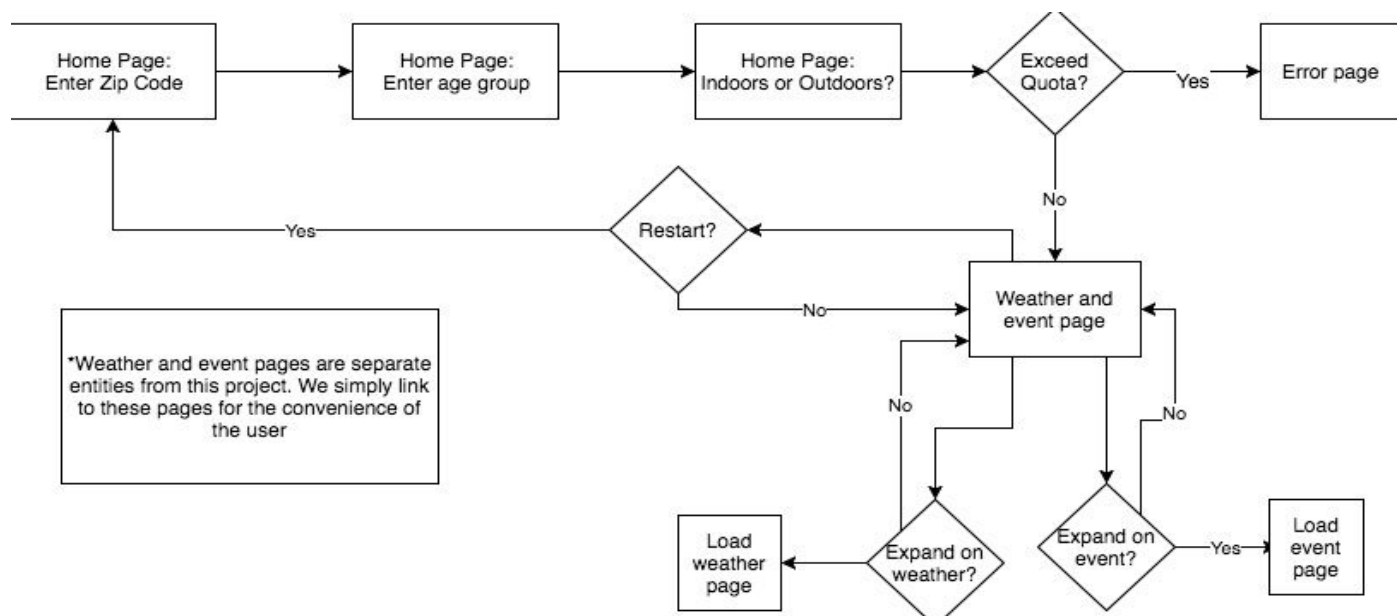# cYES

Samantha Ngo, Carol Pan, Eugene Thomas, Yuyang Zhang
Sunny with a Chance of Skeeballs

Have you ever wanted to make plans with your friends, but you were too scared that the ever-so-unpredictable weather would ruin everything? If so, welcome to *Sunny with a Chance of Skeeballs*, the only leisure-based website that connects you with the appropriate activities based on the weather. Using a state-of-the-art weather API as well as fantastic event-based APIs, our website ensures that your events and your weather are updated in real time. This user-friendly website also includes tailor-made ideas based on your age and your preference between outdoor activities and indoor activities, as well as cached search options for frequently searched ideas.

COMPONENT MAP

SITE MAP

DATABASE SCHEMA

CREATE TABLE IF NOT EXISTS cache (

zipcode *(user input)*	works *(user input: does the user work?)*	weather *(json string from API)*	events *(json string from API)*
INTEGER	INTEGER *(using 0/1 for T/F)*	TEXT NOT NULL	TEXT NOT NULL

PRIMARY KEY (zipcode, works))

Note: Each API will have corresponding column

————————————————JOBS!!! ————————————————-

The Front End

- **Yuyang** -- The resident bootstrap, jinja, and html master. In charge of the front end, logo creation, and beautifying the entire website through the use of Bootstrap. Overall, because of the easy-to-learn nature of Bootstrap (and the larger amount of experience our entire group had with the framework), the group came to the decision to use it over a more cryptic, less easy-to-use framework such as Foundation.

The Back End

- **Samantha** -- The resident API Masters which means that she knows all of the ins and outs of the different APIs that our group will use--Wunderground, EventBrite, and TripAdvisor. One of the biggest questions that our group had was whether or not to use multiple weather APIs to cross-reference data. While the arguments that it would be important to use multiple pieces of data would be more efficient, we came to the decision that two differing pieces of information from two different weather APIs would be very difficult to handle. Therefore, the entire group came to the conclusion that Wunderground was the most well-regarded weather API, and we declared it trustworthy.

- **Carol** -- The resident database master who will handle everything that involves databases in our website. This will include using databases to cache information that was previously searched up, in order to track commonly searched objects and to make the site more user-friendly.

The Project Manager

- **Eugenio** -- The PM, the Project Manager, the Prime Minister, the Post Meridiem who is in charge of handling the upkeep and realness of the entire repo. From the devlog to the design documents, and more, I am handling everything in the administrative side of SwaCoS. As the Project Manager, other duties will include the handling of light coding in both the front and back ends.