Tenacious Turtles
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SoftDev pd7
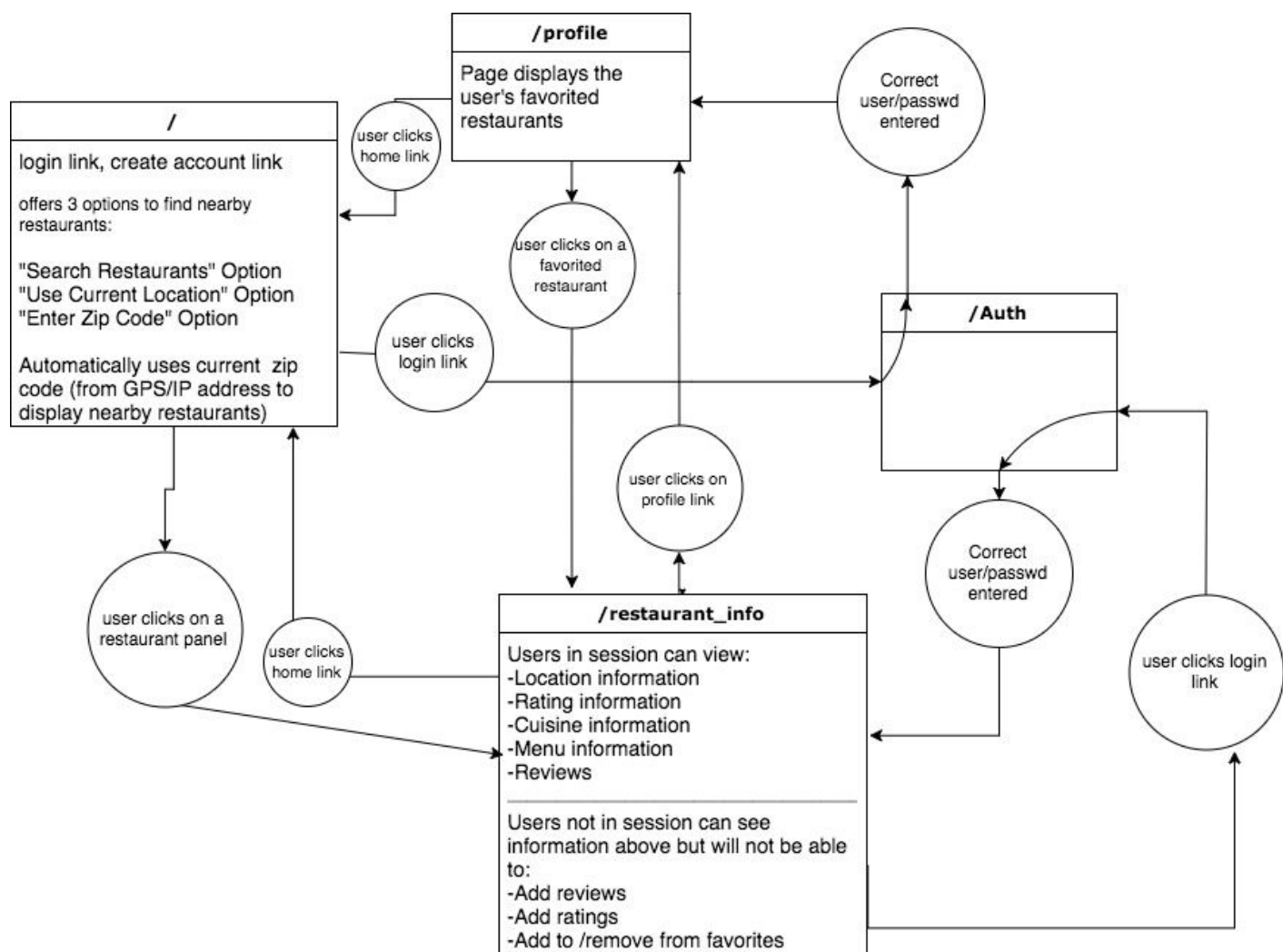P02:Task 00 -- The Plan
2018-01-23
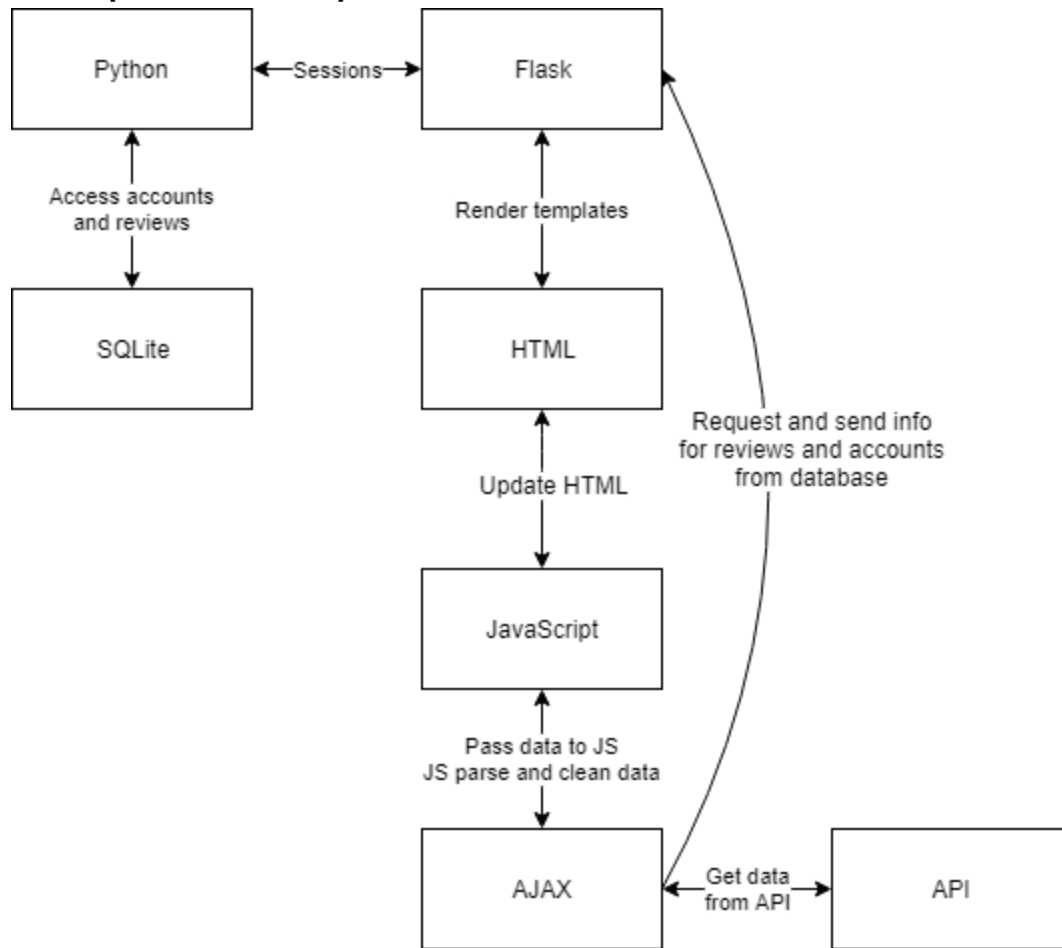
WELP

Welp is a web app designed to provide users with information about nearby restaurants.

Site Map

Component Map

```
┌─────────────┐                    ┌─────────────┐
│   Python    │◄──Sessions──►      │    Flask    │
└─────────────┘                    └─────────────┘
       ▲                                  ▲
       │ Access accounts                  │ Render templates
       │ and reviews                      ▼
       ▼                           ┌─────────────┐
┌─────────────┐                    │    HTML     │
│   SQLite    │                    └─────────────┘
└─────────────┘                          ▲
                                          │ Update HTML
                          Request and     ▼
                          send info    ┌─────────────┐
                          for reviews  │ JavaScript  │
                          and accounts └─────────────┘
                          from database      ▲
                                          │ Pass data to JS
                                          │ JS parse and clean data
                                          ▼
                          ┌─────────────┐  Get data   ┌─────────────┐
                          │    AJAX     │◄─from API──►│     API     │
                          └─────────────┘             └─────────────┘
```

Database Schema

Accounts

UNIQUE STRING Username	STRING Password
Username	Hashed password

Reviews

INTEGER Restaurant ID	INTEGER Username	INTEGER Rating	STRING Review Title	STRING Review Content
Unique ID of a restaurant, as provided by Zomato	Username of the author of the review	Numerical rating given to the restaurant on a scale of 1-10	Title of the review	Text of the review

Favorite

STRING Username	INTEGER Restaurant ID
Username	Unique ID of a restaurant, as provided by Zomato

Tasks

Karina
- Welp logo
- Front End
  - Bootstrap
  - Will utilize JS to minimize the number of pages on the website
- Site Map

LL
- Databases
  - Recording reviews table
    - Contains restaurant ID and author (account ID)
  - Recording user accounts table

- Component map

TMoi
- Login/logout system
- Login sessions
- Adding/removing favorited restaurants to/from profile
- GEOIP
  - Finds the zipcode of the user
  - JS Geolocation API (using GPS) is tried first, then defaults to using FreeGeoIP
- Component Map

Khyber
- Zomato
  - Displaying nearby restaurants
  - Fetching and storing reviews from Zomato
- JS and AJAX
- Site Map