

## Team Three Stooges

Members: Saad Bhuiyan (PM), Hannah Fried, Benjamin Avrahami

Project Name: Wack Travel Plans

Frontend framework: BOOTSTRAP (because there are more tools available to use and is better suited for browser usage)

### Division of Labor:

- **Database:** sqlite3 commands, facilitating adding/editing data, creation of databases, interaction with APIs to cache data
- **Frontend:** HTML templating files, using blocks, Jinja interactions, Javascript
- **Backend:** linking form data from site to database functions, Flask routing to different stories, API implementation

Tentative role assignments:

- Saad: **Project Manager**, **Database**
- Hannah: **Backend**
- Benjamin: **Frontend**

## Component/Page Description:

- /login
  - Takes in user data for username and password
  - Authenticates user data entered
    - Flashes error message if data authentication fails
    - If authentication successful redirects to /home and adds user to session
  - Able to register for a new account by clicking the button
    - Redirects to /register
- /register
  - Takes in user data for username and password
  - Checks if username or password are empty
    - Flashes appropriate error
  - Checks if username is unique
    - Flashes error if not unique
    - If unique, redirects to /home and adds user to session
- /home
  - Welcomes the user currently logged in
  - Able to sign out
    - Redirects to /login
    - Removes session data for user
  - List of favorited countries with stats that could update with each refresh, like weather for example
- /settings
  - Toggles allowing location tracking or not
  - Save favorite nations
- /browse
  - Search bar for filtering nations
  - Criteria like average rating and travel time
  - Has buttons for each individual nation, but each nation is sifted into one of three categories for danger to Americans:
    - Vanilla(green)
    - Spicy(yellow)
    - North Korea(red)
- /<nation>
  - Depends on the GET request received from whichever button was pressed
  - Contains API-retrieved data for every nation on the website
  - Perhaps we would write our own humorous descriptions for each country?
  - Possible candidates for display data are:

- Pollution
- Crime
- Weather
- Human rights records
- etc

### **Potential APIs**

Forecast.io

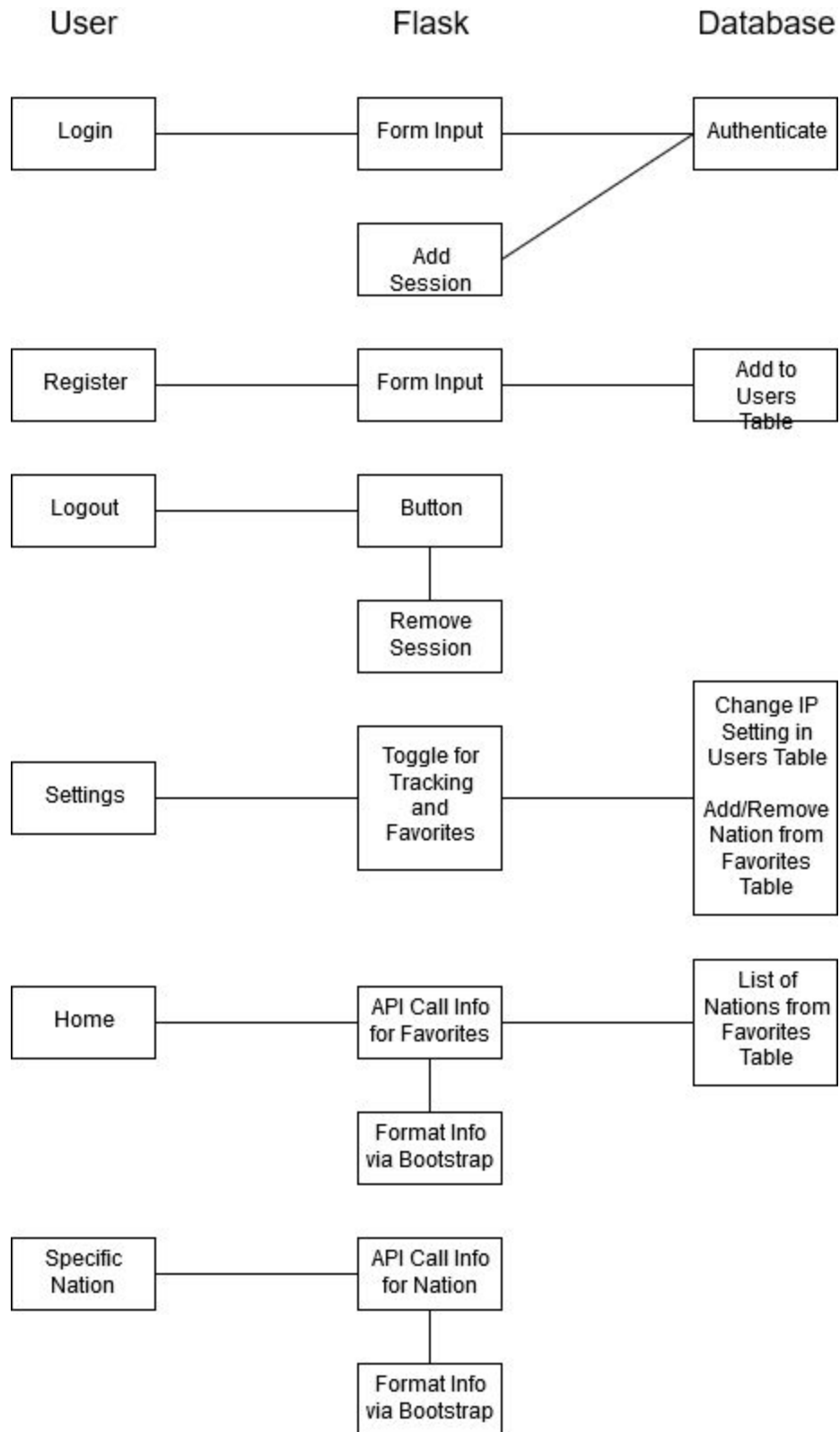
LocationIQ

IP Location

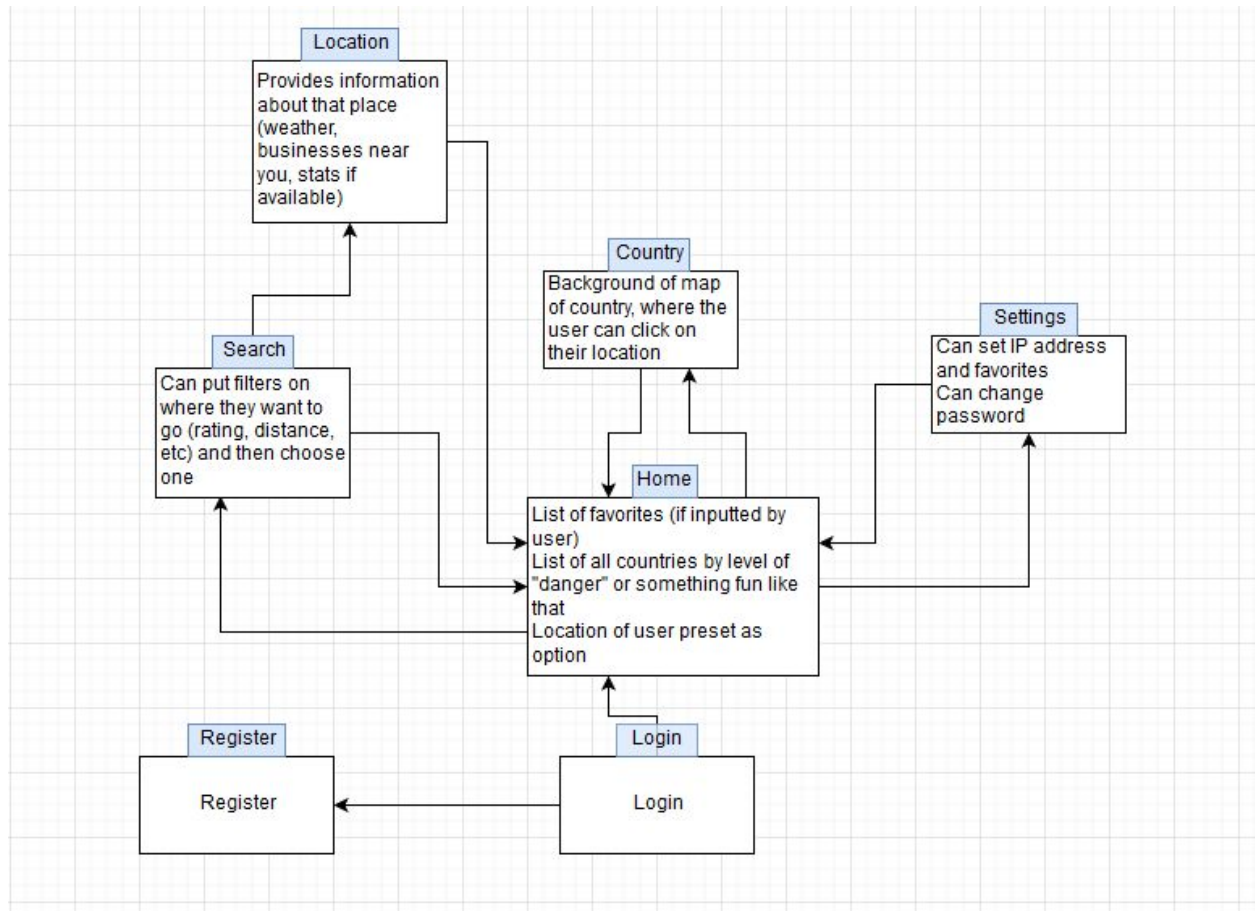
Yelp

UNdata

## Component Map



## Site Map



### Database Layout

**Nations** - this table holds the data needed for each country being featured. There will be three tiers of danger. More columns may be added in the future.

<b>Name</b>	<b>Danger</b>	<b>Designated coordinates</b>
"The Democratic Republic of the Canada"	"Vanilla"	(0,0)
"True Korea"	"North Korea"	(180,180)
"Czechoslo-India"	"Spicy"	(4,20)
... (TEXT, UNIQUE)	... (TEXT)	... (UNIQUE PAIR OF INTS FOR LATITUDE AND LONGITUDE)

**Users** - this table holds the authentication data necessary to check users' login information

<b>Username</b>	<b>Password</b>	<b>Allow IP location tracking? Y/N</b>
"CobyEatsHorseMeat"	"dontTellMyWife"	Y
"PETAisONyourBUTT"	"passableword"	N
... (TEXT, UNIQUE)	... (TEXT)	... (DEFAULTS TO N)

**Favorites** - this table holds the users' favorite nations, multiple entries per user if they have multiple favorites. We are trying to figure out a more efficient solution for this.

<b>Username</b>	<b>Nation</b>
"CobyEatsHorseMeat"	"True Korea"
"PETAisONyourBUTT"	"Czechoslo-India"
"PETAisONyourBUTT"	"The Democratic Republic of the Canada"
... (TEXT)	... (TEXT)