

## 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
- ...

### Countries with descriptions:

<a href="#"><u>World</u></a>	85,804,391		Person claiming
1	 <a href="#">United States</a>	20,494,100	Saad
2	 <a href="#">China</a> <sup>[n 5]</sup>	13,608,152	Saad
3	 <a href="#">Japan</a>	4,970,916	
4	 <a href="#">Germany</a>	3,996,759	
5	 <a href="#">United Kingdom</a>	2,825,208	Hannah
6	 <a href="#">France</a>	2,777,535	
7	 <a href="#">India</a>	2,726,323	
8	 <a href="#">Italy</a>	2,073,902	Saad
9	 <a href="#">Brazil</a>	1,868,626	
10	 <a href="#">Canada</a>	1,712,510	
11	 <a href="#">Russia</a> <sup>[n 3]</sup>	1,657,554	Saad
12	 <a href="#">Korea, South</a>	1,619,424	Hannah
13	 <a href="#">Australia</a>	1,432,195	Hannah

14	 Spain	1,426,189	Saad
15	 Mexico	1,223,809	
16	 Indonesia	1,042,173	
17	 Netherlands	913,658	
18	 Saudi Arabia	782,483	
19	 Turkey	766,509	Hannah
20	 Switzerland	705,501	
21	 Poland	585,783	Hannah
—	 Taiwan	574,905 (2017)	Hannah
22	 Sweden	551,032	
23	 Belgium	531,767	
24	 Argentina	518,475	
25	 Thailand	504,993	
26	 Austria	455,737	
27	 Iran	454,013 (2017)	Hannah
28	 Norway	434,751	
29	 United Arab Emirates	414,179	
30	 Nigeria	397,270	

31	 Ireland	382,487	
32	 Israel	369,690	Hannah
33	 South Africa	368,288	Hannah
34	 Singapore	364,157	
—	 <i>Hong Kong</i>	362,993	Hannah
35	 Malaysia	354,348	
36	 Denmark	352,058	
37	 Philippines	330,910	
38	 Colombia	330,228	
39	 Pakistan	312,570	
40	 Chile	298,231	Hannah
41	 Bangladesh	274,025	
42	 Finland	273,961	
43	 Egypt	250,895	
44	 Czech Republic	245,226	
45	 Vietnam	244,948	Saad
46	 Romania	239,553	
47	 Portugal	237,979	

48	 Iraq	225,914	Hannah
49	 Peru	222,238	
50	 Greece	218,032	Hannah
51	 New Zealand	205,025	
52	 Qatar	192,009	Hannah
53	 Algeria	180,689	
54	 Kazakhstan	170,539	
55	 Hungary	155,703	
56	 Kuwait	141,678	
57	 Ukraine	130,832	Hannah
58	 Morocco <sup>[n 6]</sup>	118,495	
59	 Ecuador	108,398	
60	 Slovak Republic	106,472	

### Potential APIs

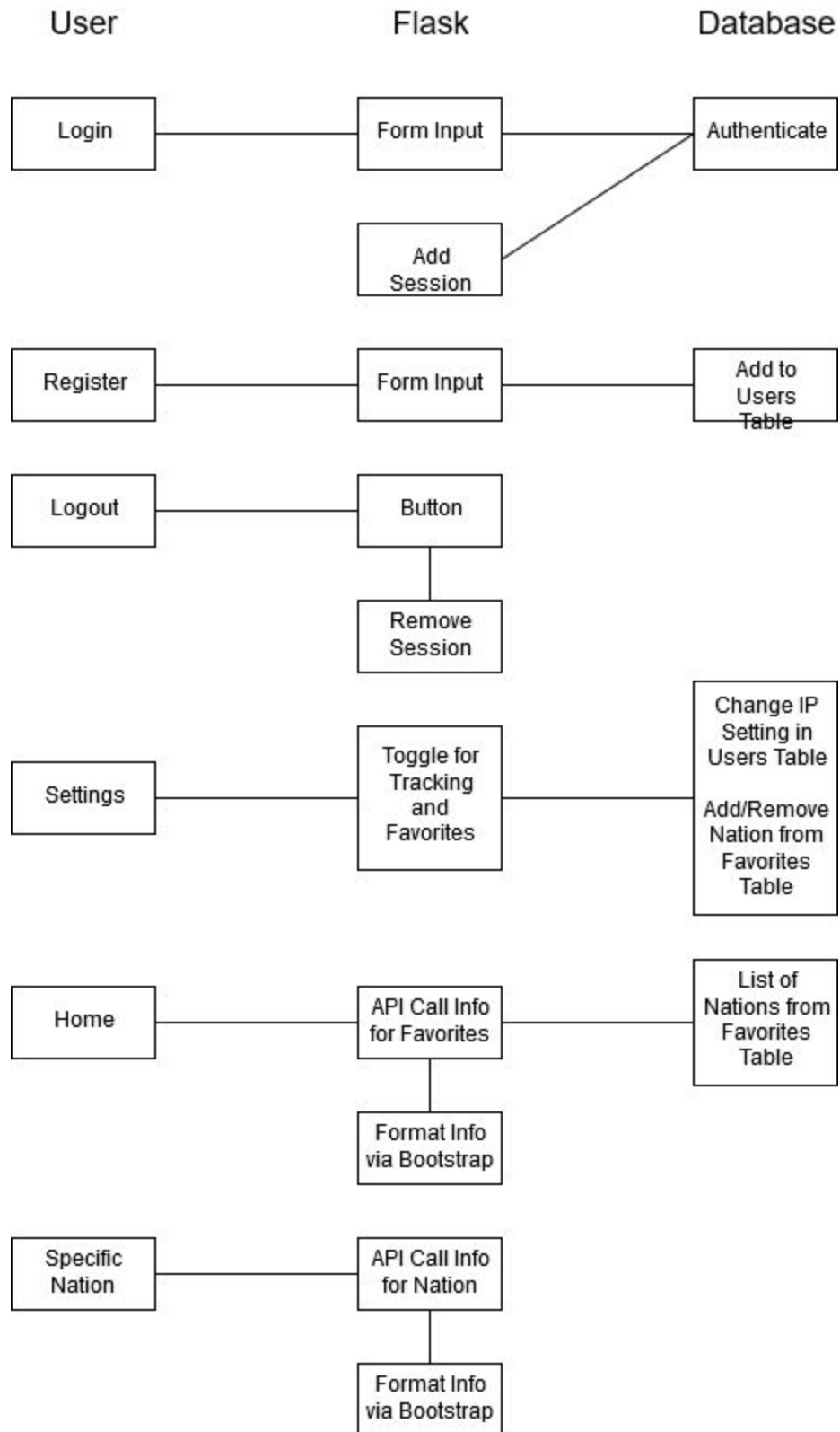
Forecast.io

LocationIQ

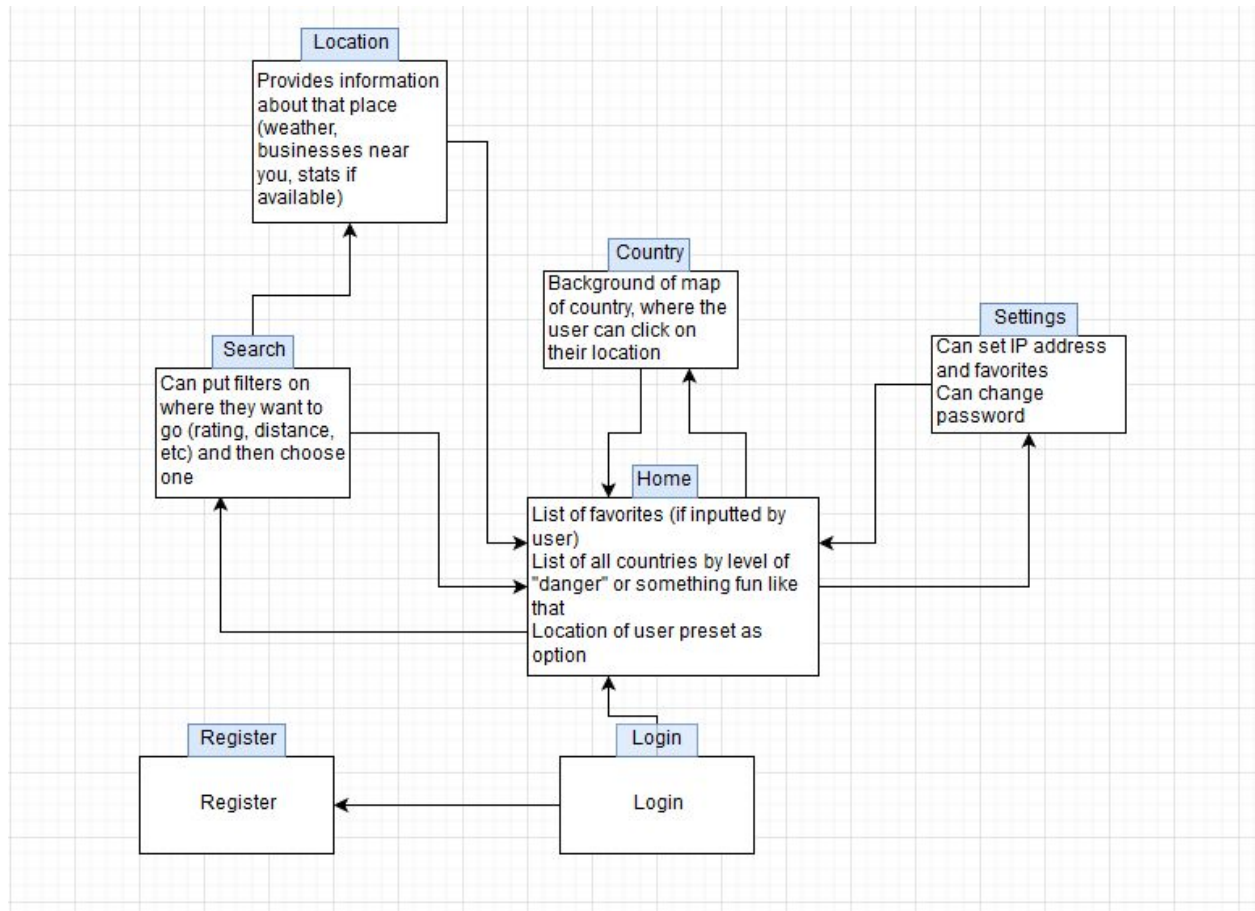
IP Location

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>Description</b>	<b>Safety Rating</b>	<b>Population</b>
"The Democratic Republic of the Canada"	"Maple syrup and poutine."	"Safer than Grandma's House"	30
"True Korea"	"Home of the real rocketman."	"Very nice people and the greatest leader."	100000000
"Czechoslo-India"	"Narnia part 2."	"Watch out for lions."	57
... (TEXT, UNIQUE)	... (TEXT)	... (TEXT)	... (INTEGER) NATIONS ORDERED BY POPULATION

**Users** - this table holds the authentication data necessary to check users' login information and user's IP tracking setting and their favorite nations

<b>Username</b>	<b>Password</b>	<b>Allow IP location tracking?</b>	<b>Favorite nations</b>
"Coby123"	"dontTellMyWife"	"True"	"North Korea, Cambodia, Laos"
"PETALovesMEAT"	"passableword"	"False"	"Canada, Russia, Germany"
... TEXT, UNIQUE	... TEXT	... TEXT DEFAULTS TO "False"	... TEXT