

## Team Three Stooges

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

Project Name: Wack Travel Plans

Frontend Framework: BootStrap preferred by Ben 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

### 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 passwords
  - Checks if username or passwords 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
  - Shows favorite nations and allows users to remove nations
  - 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
  - Allows users to update password
- /browse
  - Lists all the nations in our database and allows users to access the nation's specific page in cards
  - Rating included in the card as well as a picture of the flag
- /<nation>
  - Depends on the GET request received from whichever button was pressed
  - Contains API-retrieved data for every nation on the website
  - Displays flag, description, and other data like area, population, capital, etc.

**Countries included are the world's 62 largest economies by gross national income (2016):**

1	 United States
2	 China <sup>[n 5]</sup>
3	 Japan
4	 Germany
5	 United Kingdom
6	 France
7	 India
8	 Italy
9	 Brazil
10	 Canada
11	 Russia <sup>[n 3]</sup>
12	 Korea, South
13	 Australia
14	 Spain
15	 Mexico
16	 Indonesia
17	 Netherlands

18	 Saudi Arabia
19	 Turkey
20	 Switzerland
21	 Poland
—	 Taiwan
22	 Sweden
23	 Belgium
24	 Argentina
25	 Thailand
26	 Austria
27	 Iran
28	 Norway
29	 United Arab Emirates
30	 Nigeria
31	 Ireland
32	 Israel
33	 South Africa
34	 Singapore

—	 <i>Hong Kong</i>
35	 Malaysia
36	 Denmark
37	 Philippines
38	 Colombia
39	 Pakistan
40	 Chile
41	 Bangladesh
42	 Finland
43	 Egypt
44	 Czech Republic
45	 Vietnam
46	 Romania
47	 Portugal
48	 Iraq
49	 Peru
50	 Greece
51	 New Zealand

52	 Qatar
53	 Algeria
54	 Kazakhstan
55	 Hungary
56	 Kuwait
57	 Ukraine
58	 Morocco <sup>[n 6]</sup>
59	 Ecuador
60	 Slovak Republic

## APIs

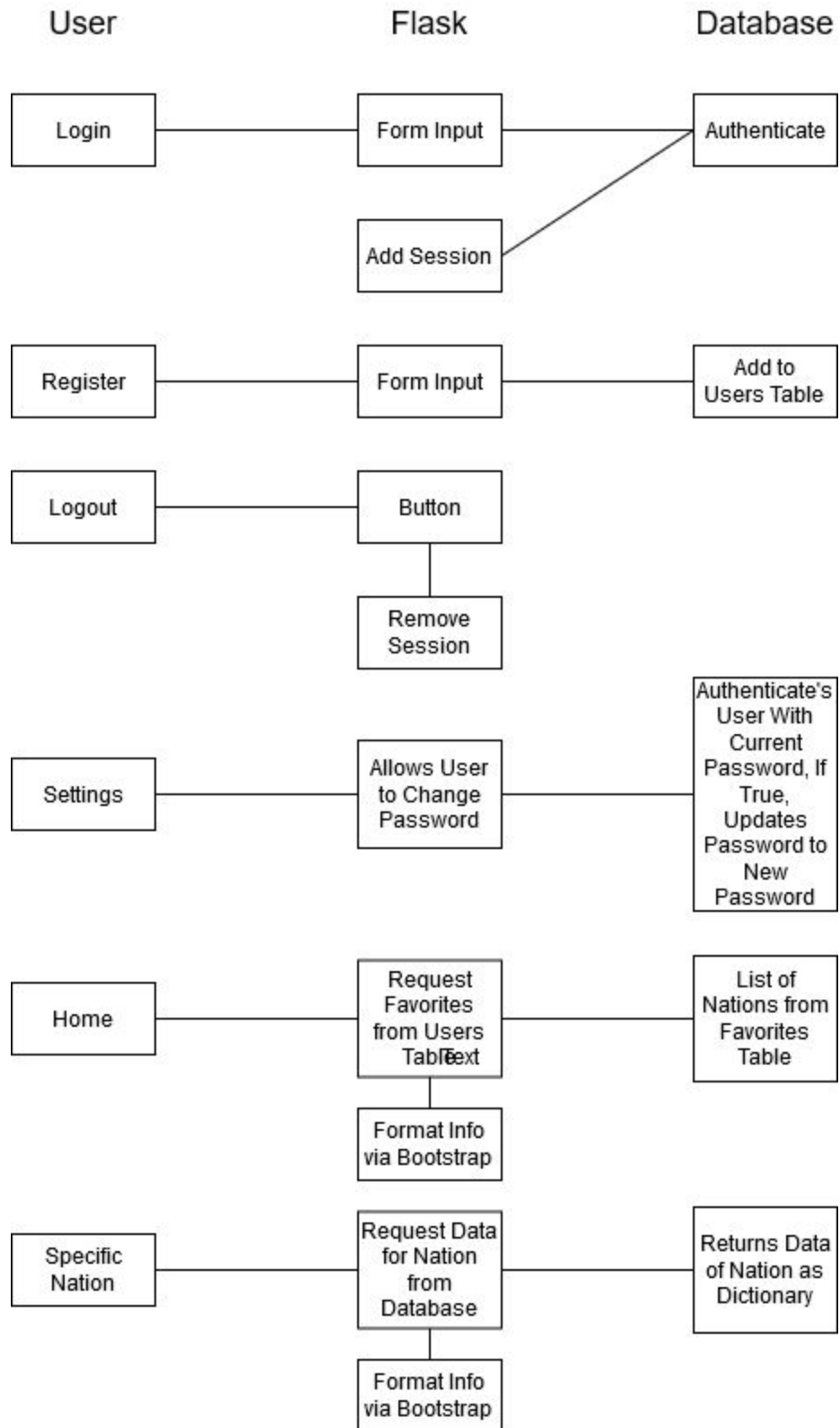
REST Countries

MetaWeather

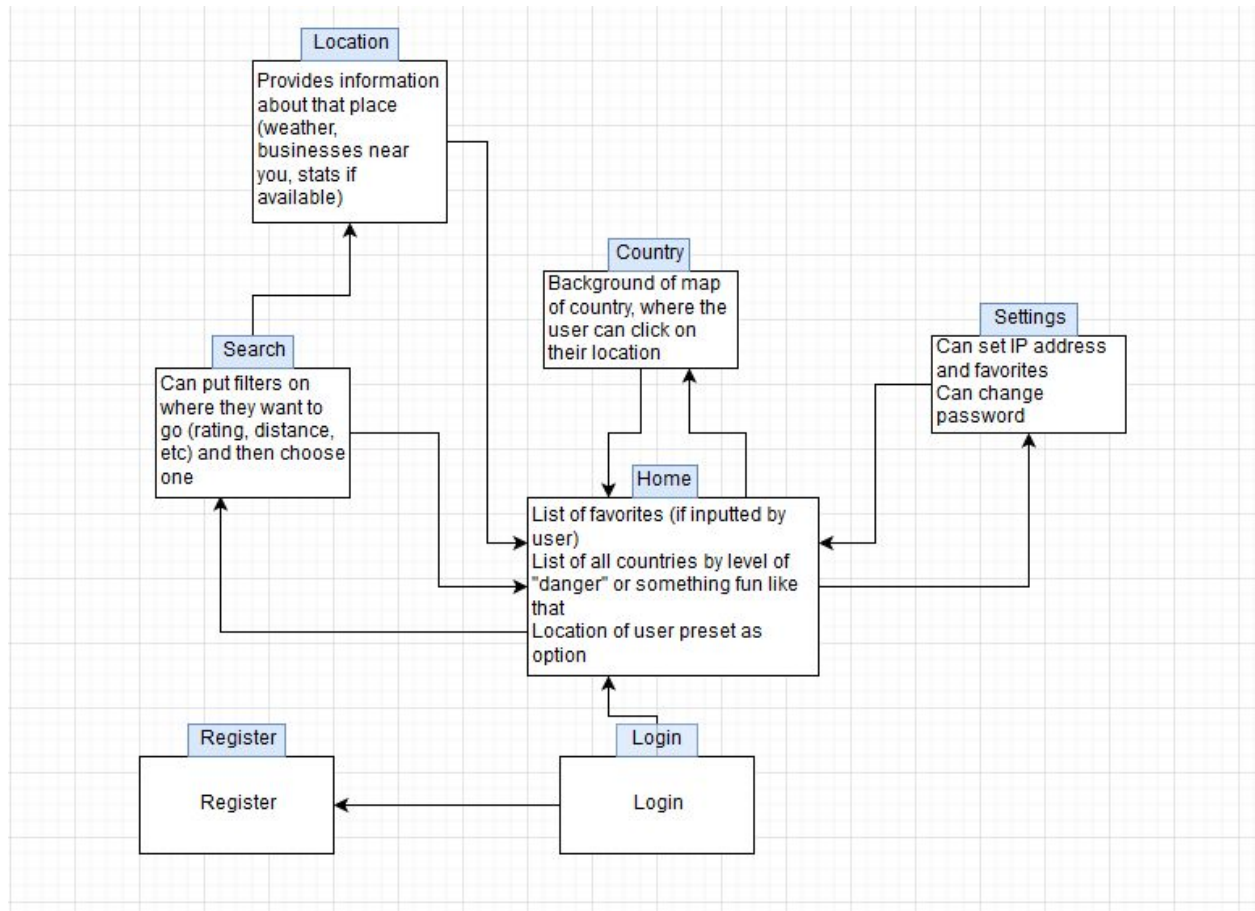
LocationIQ

Wikipedia

## 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>Nation</b>	<b>Alpha-2 Code</b>	<b>Rating</b>	<b>Image URL</b>	<b>Capital</b>	<b>Population</b>	<b>Area</b>
"The Democratic Republic of the Canada"	"DC"	"Safer than Grandma's House"	"wikiwoowicannada.com"	"New York"	30	2
"True Korea"	"TK"	"Very nice people and the greatest leader."	"progranda.korea/cool"	"China"	100000000	40
"Czechoslo-India"	"CI"	"Watch out for lions."	"czechindia.com/what"	"Mumbai"	57	9810
... (TEXT, UNIQUE)	... (TEXT)	... (TEXT)	... (TEXT)	... (TEXT)	... (INTEGER)	... (INTEGER)

**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>Favorite nations</b>
"Coby123"	"dontTellMyWife"	"North Korea, Cambodia, Laos"
"PETAlovesME AT"	"passableword"	"Canada, Russia, Germany"
... TEXT, UNIQUE	... TEXT	... TEXT