# nounGenerator // p01

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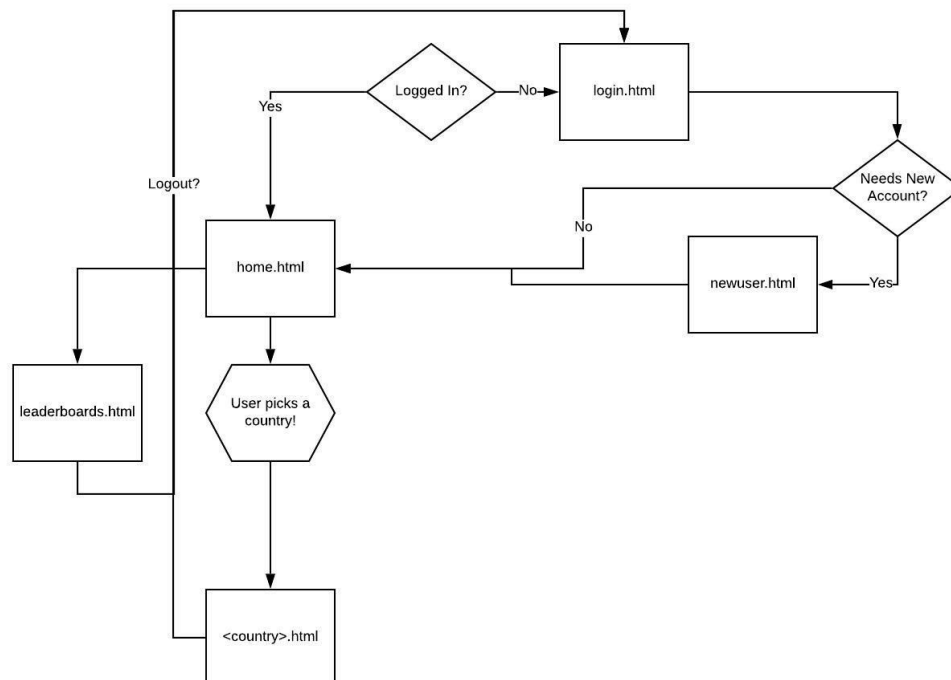
## PROJECT - COUNTRY BATTLE

Goal: Learn more about other countries, while competing for control over them.

- Countries will be randomly displayed to the user (shuffled every 5-10 minutes) *(note: may limit to the top X countries only? i.e. top 24, top 50, etc.)*
  - Fun facts and information will be displayed (flag, currency, population, capital, etc.)
  - Game aspect
    - If this is the first time the country is "visited", the user will have the opportunity to claim that country
    - Otherwise, one can initiate a duel for control of the country—this will take the form of a game of trivia
      - Whoever wins remains in control/takes over the country (whoever gets the higher score)
- Leaderboard (& potential world map)

**APIs we plan to use**
- [Countries API](Countries API)
- [Accuweather Locations API](Accuweather Locations API)
- [Currency Exchange API](Currency Exchange API)
- [New York Times API](New York Times API)
- [Open Trivia API](Open Trivia API)
- [Wikipedia API](Wikipedia API)

**SITE MAP**



A flowchart showing: "Logged In?" decision diamond connects via "No" to login.html box; "Yes" leads down to home.html box. login.html connects to "Needs New Account?" decision diamond. "Yes" leads to newuser.html box; "No" leads to home.html. newuser.html connects to home.html. From login.html area a "Logout?" labeled path returns to top. home.html connects down to leaderboards.html box and to "User picks a country!" hexagon. "User picks a country!" connects down to <country>.html box. leaderboards.html also connects back.

## Database organization
- We'll have 3 databases, one to store usernames and passwords (registration/account information), one to store country information, and one to store users and scores per country (leaderboard)

| Username | Password |
|----------|----------|
| ahmed | password99 |
| derek | buford |
| winston | penguin |
| kanyeezy | mrwest |

| Country | Population | Capital | Currency | Official Language |
|---------|------------|---------|----------|-------------------|
| Wakanda | 6 million | Birnin Zana | Wakandan vibranium dollar | Xhosa |
| United States | 327.2 million | Washington DC | U.S. dollar | English |

| User | Wakanda Score | United States Score |
| --- | --- | --- |
| ahmed | 1 | 4 |
| derek | 2 | 5 |
| winston | 3 | 6 |
| kanyeezy | 999 | 9001 |

**MVP (Minimum viable product)**
- Login page w/ register
- Home page showing countries you can "visit"
- Country pages
- Trivia pages
- Leaderboard page

**Roles**
- **Flask App Creator -- Buford/Derek**
  - Person will create a Python flask application that will have each of the routes we need (mentioned above)
  - Person will make sure that the pages that require you to be logged in cannot be accessed by just typing the extension into the URL if you have not logged in
  - Person will make sure to flash messages when appropriate to do so (i.e. flashing a login error when submitting a wrong username or password on the login page)
- **HTML/Jinja Template Creator -- Ahmed**
  - Person will create the HTML templates for each of the routes
  - Person will use forms when appropriate (i.e. login page => username and password inputs, submit button)
  - Person will use Jinja to take in and display variables when necessary (i.e. for the blog post template, use Jinja to display a blog post pulled from the database table)
  - Person will pay attention to aesthetic details
- **Database Creator -- Winston**
  - Person will write a Python application to create appropriate databases and tables, making sure to only add them if they don't already exist
  - Person will facilitate adding to, editing contents in, and potentially removing from tables