

nounGenerator // p01

DEREK LEUNG, WINSTON PENG and AHMED SULTAN / pd9

PROJECT MANAGER: WINSTON PENG

PROJECT - COUNTRY BATTLE

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

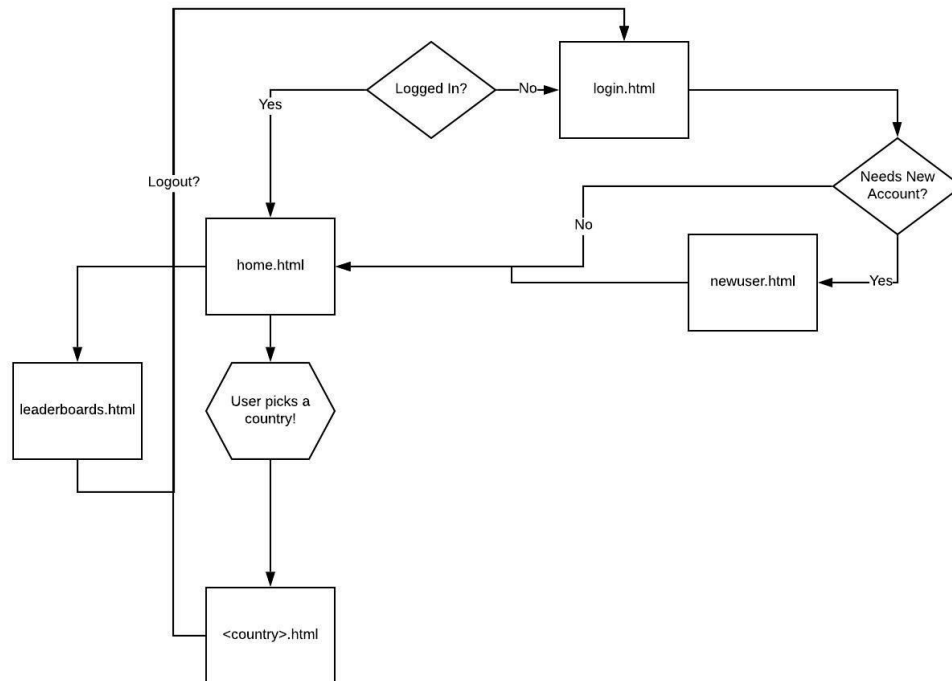
- Countries will be randomly displayed to the user (shuffled every 5-10 minutes) (*note: may limit to the top X countries only? i.e. top 24, top 50, etc.*)
 - Fun facts and information will be displayed (flag, currency, population, capital, etc.)
 - Game aspect
 - If this is the first time the country is "visited", the user will have the opportunity to claim that country
 - Otherwise, one can try to beat the high score in that country's leaderboard
 - Whoever has the highest score controls/takes over the country
 - Score is determined by how many trivia questions one can get right in a row.
- Leaderboard (& potential world map)
 - This tracks who controls the most countries
- Profiles
 - Each user will have their own profile page, where more in-depth information on the countries they control will be shown (i.e. flags, capitals, etc.)

APIs we plan to use

- [Countries API](#)
 - This will be used to randomly generate countries. This will also pull basic trivia about the country.
- [Accuweather Locations API](#)
 - Providing current weather status about the country (more interesting information to be displayed on the country profile page)
- [Currency Exchange API](#)
 - Providing currency exchange information
- [New York Times API](#)
 - Current events trivia?
- [Open Trivia API](#)
 - To facilitate the trivia questions
- [Wikipedia API](#)
 - More basic trivia knowledge?

We plan to utilize the BOOTSTRAP front-end framework in our project.

SITE MAP



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