nounGenerator // p01

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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 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
- Accuweather Locations API
- Currency Exchange API
- New York Times API
- Open Trivia API
- Wikipedia API

COMPONENTS MAP

FEATURES LIST

PAGES for SITE

login.html -- Bunny Blogs login page

Country Trivia (Working Title)

Username

[   ]

Password

[   ]

newuser.html -- Bunny Blogs register page

Country Trivia (working title)

Username

[   ]

Password

[   ]

Confirm Password

[   ]

Home.html

Note: There should be 5 countries here but I was lazy

Pick a Country

Wakanda -- Kanyeeet 75pts

United States -- Bigger Buford 87pts

Japan -- Unclaimed

leaderboards.html

Saudi Arabia

buford	87
winston	66
ahmed	54

Africa

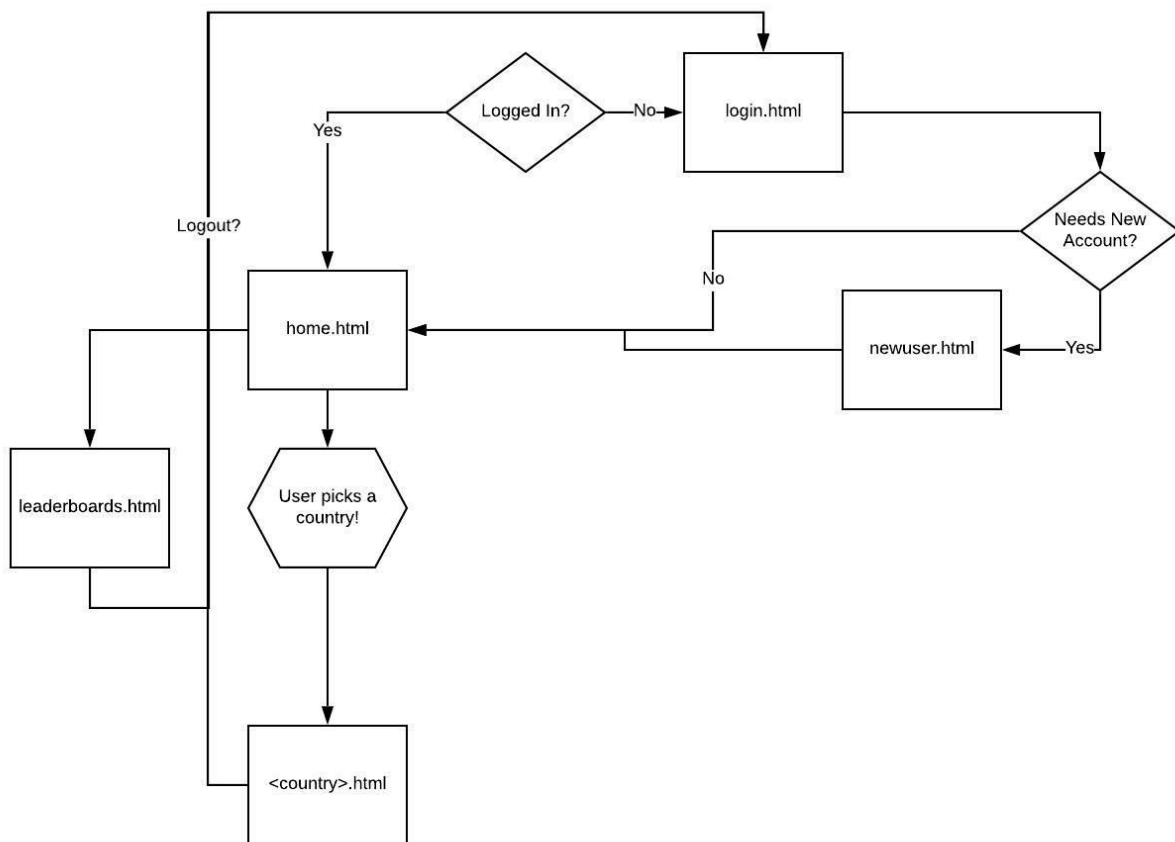| kanyeezy	96
Fredrick Douglass	88

Greece
No entries yet

<country>.html
It's basically a google form

SITE MAP

Database Organization
   - We'll have 3 databases, one to store username and password, one
     to store country information, and one to store users and scores
     per country

Example:

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

Minimum Viable Product
- Login page w/ register
- Page with country display
- Page where the question is asked
- Leaderboard page?

Roles
- **Flask App Creator -- Buford**
    - 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