Geopardy

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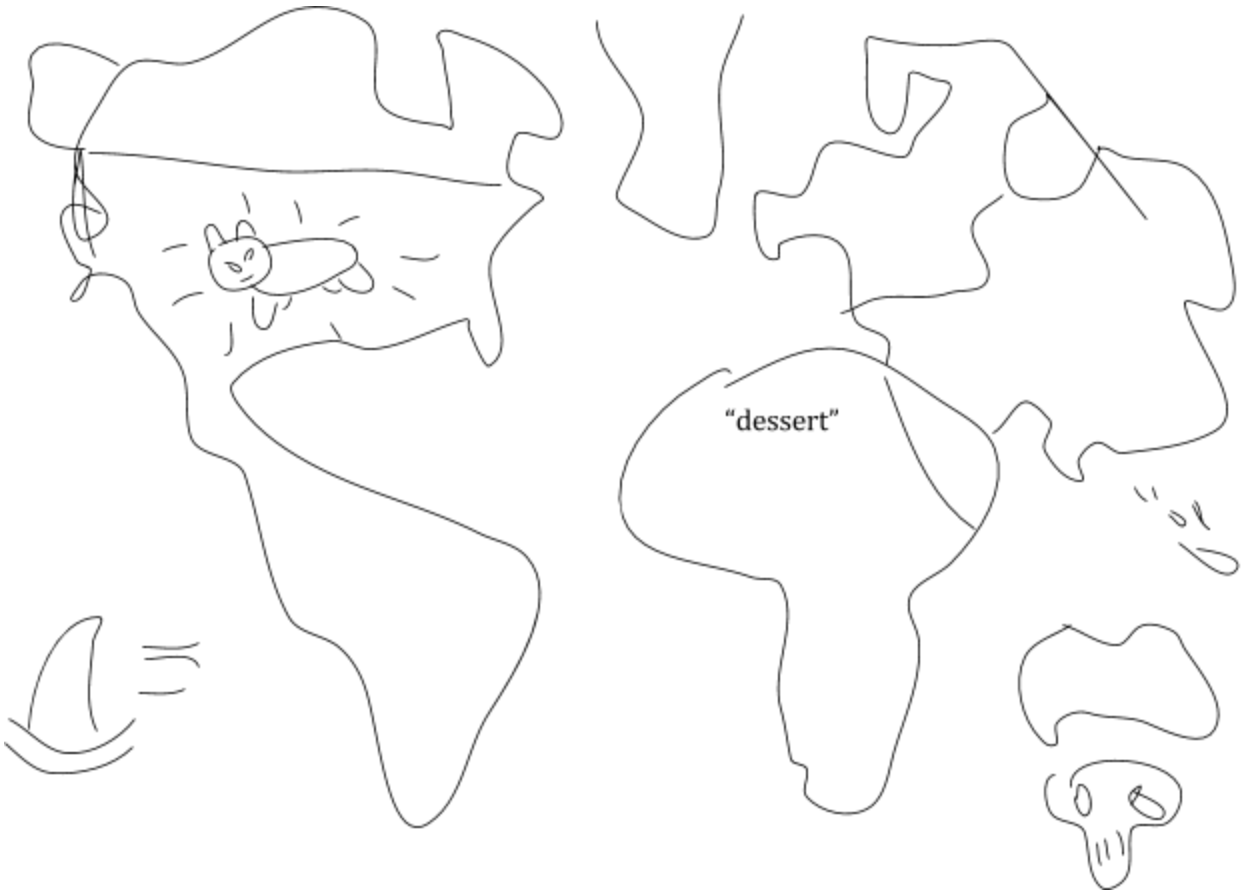
Team: Group Group



Description:

Geopardy is a Flask-based web app that offers users the opportunity to challenge their geographical know-how by displaying a google street-view of a location with a specific theme (e.g. United States, World Capitals, European Soccer Stadiums) and having the user place a pin on a map to indicate their estimate of the location. The software will then find the distance between the two and award a certain number of points to the user based on the accuracy of their guess. Users will also have the option to log in to have their cumulative points displayed on a leaderboard so they can compare their scores with their friends in the spirit of mature competition.

List of Program Components

- Home page
    - Users can choose which game to play
    - If logged in, will track points earned
- Login and register pages
    - Username and password stored in database
    - Login and register forms
- Database
    - table of accounts
        - Username, password, points
    - Table for every theme
- Map Themes
    - Online datasets of locations that we then geocode

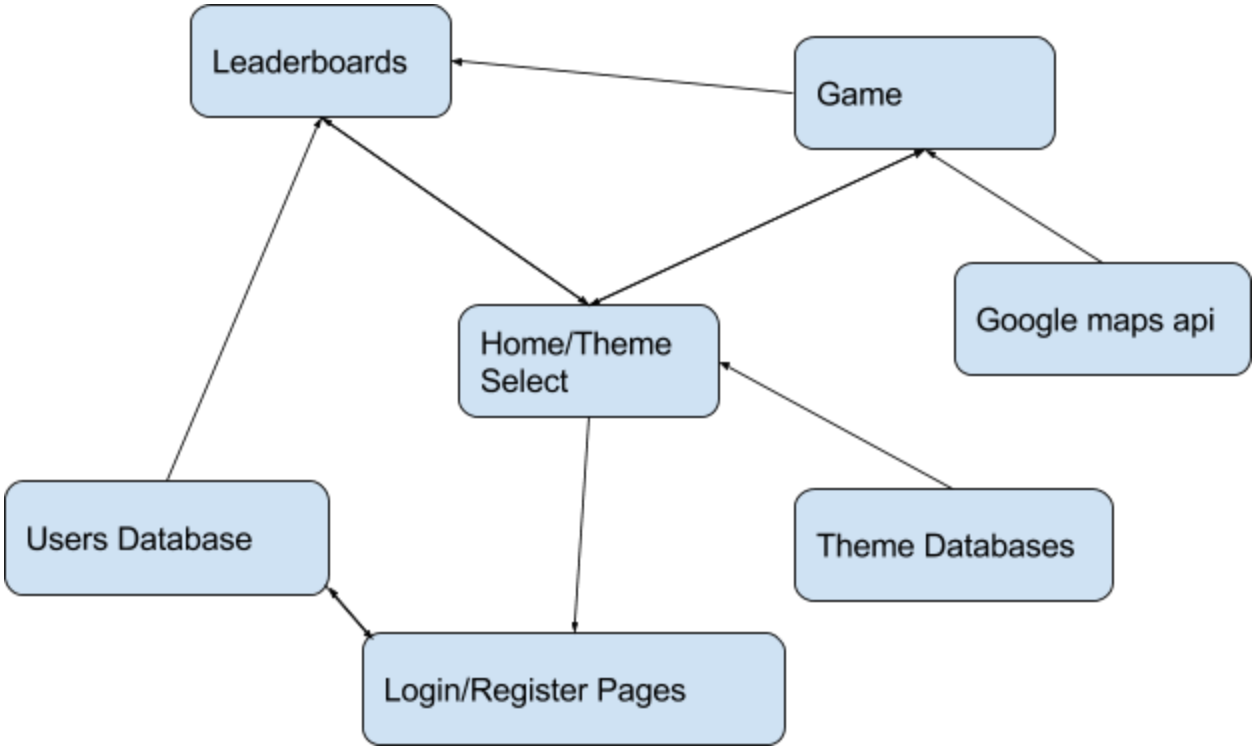
Relationship Between Components

The first page that opens gives the visitor the option to sign in or play as a guest by showing game types (themes). There is a button on the home page that redirects the user to the leaderboard page. After signing in, the user will be directed to the first page again, signed in, and can select a theme. The user can select a theme and then press play which will go to the game page.

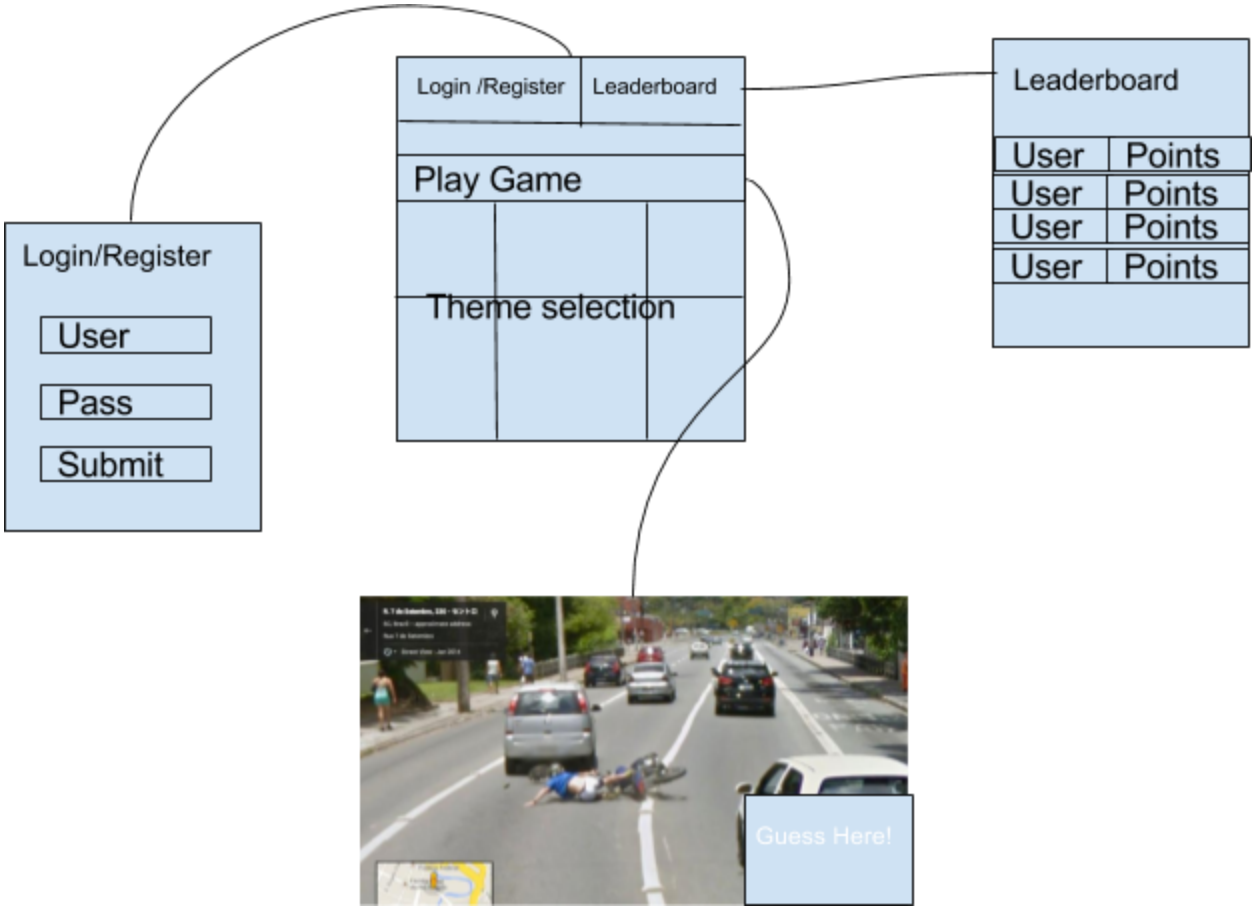
Database Schema (exact names subject to change)

- Accounts Database
    - User Info Table
        - Username
        - Password
        - Points
    - theme table * 10
        - Location

Component Map:



Sitemap for Front-end



Breakdown of Tasks

General Roles (Flexible)

- Alex - Project Manager + General Assistance to both ends
- Daniel - ***A E S T H E T I C S***
- Yiduo - Google map API stuff, ip addresses, datasets
- Jerome - databases, flask, map themes and datasets