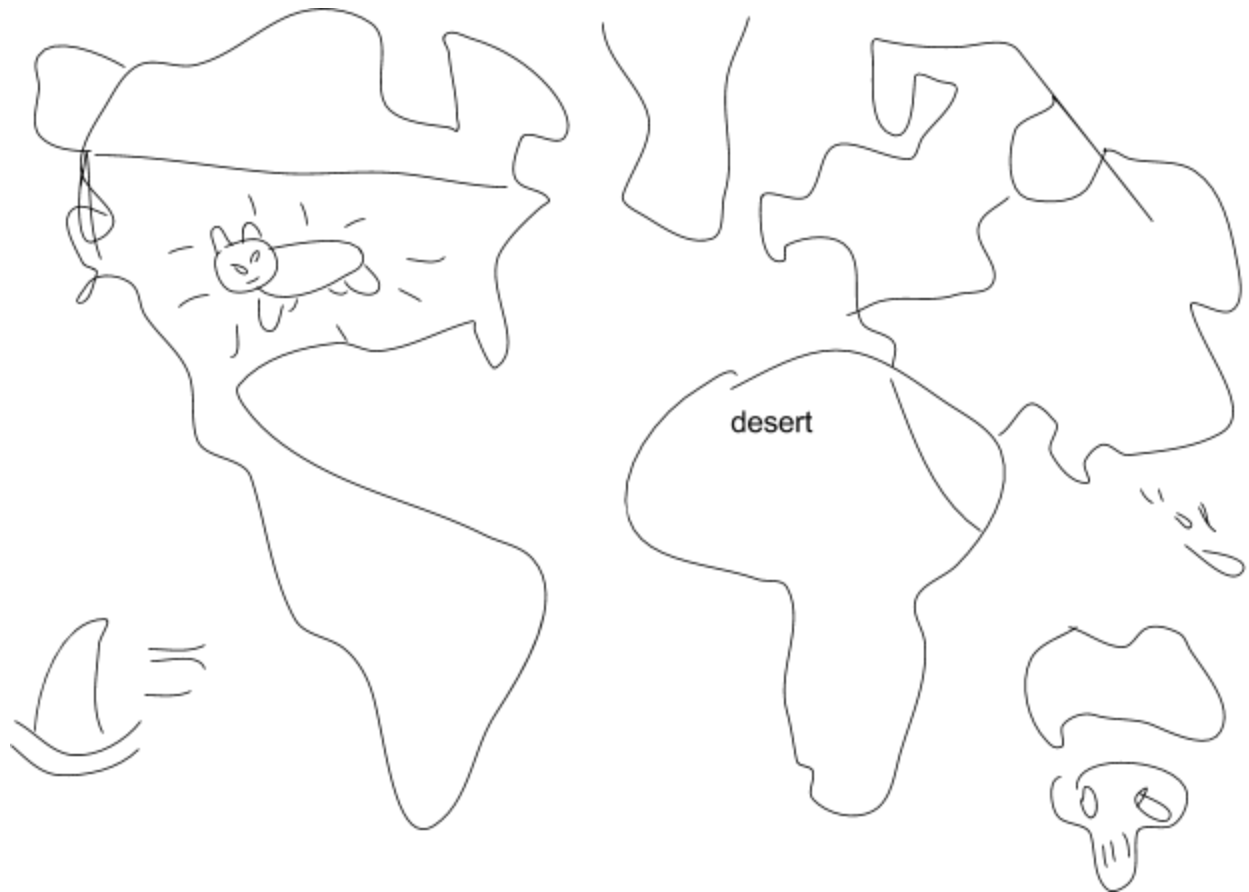


Geopardy

By: Jerome Freudenberg, Yiduo Ke, Alex Taradachuk, Daniel Chernovolenko

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 street-view of a location with a specific theme (e.g. global, famous places, European Bocce Ball 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. Users will also have the option to log in to have their cumulative points displayed on a leaderboard and make groups with friends for mature competition.

List of Program Components

- Home/login/register/game selection page
 - Username and password stored in database
 - Login and register forms
 - Users can make games or choose which game to play
 - If logged in, redirects to map selection
- Database of accounts
 - Username, (hashed) password
- Leaderboard database
 - Username, points
- Map Themes
 - IP stalking and location services so that ~~there's a 1/30 chance it lands in your house~~ your area can be played as a map and maybe as a hint option too (how far location is from user)
 - Online data sets like <https://opisthokonta.net/?p=619> (geographic coordinates of european football stadiums)
- Game page
 - Play the actual game
- User Profiles
 - List of usernames
 - Click on a username to view their points

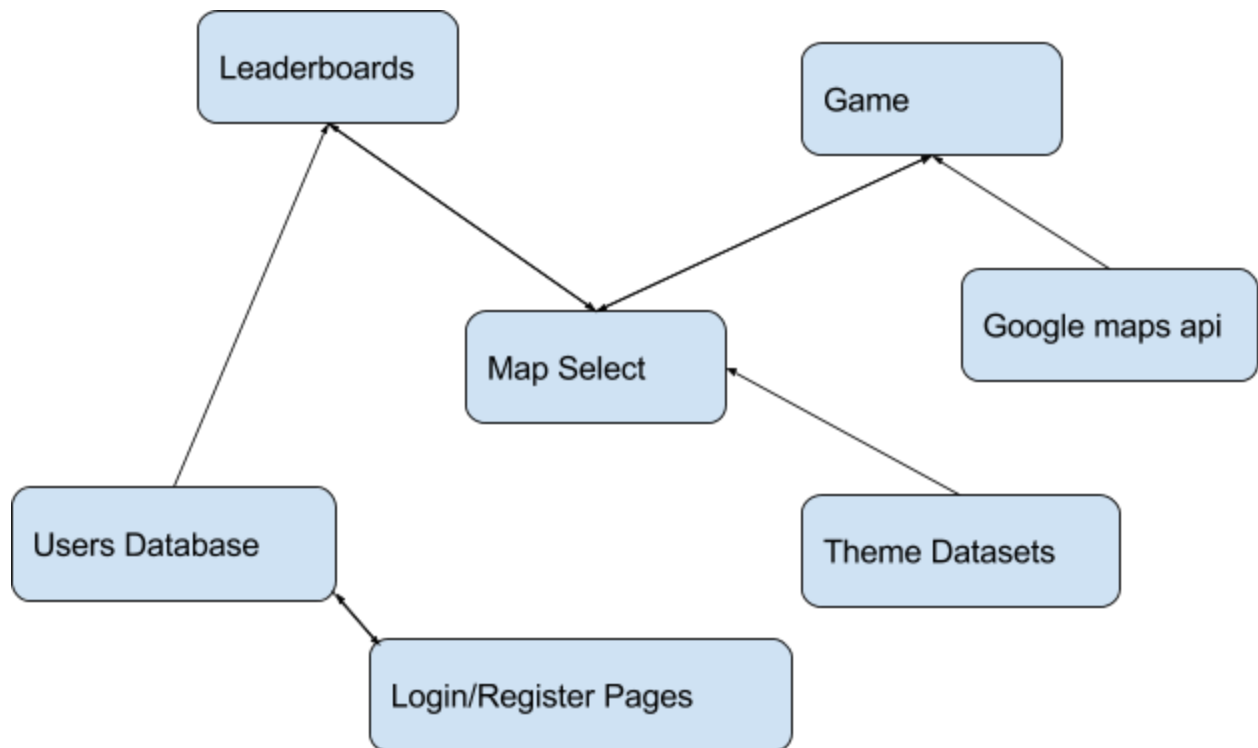
Relationship Between Components

The first page that opens gives the visitor the option to sign up, sign in, or play as a guest by showing game types. 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 shows the game types. The user plays the game on the game page.

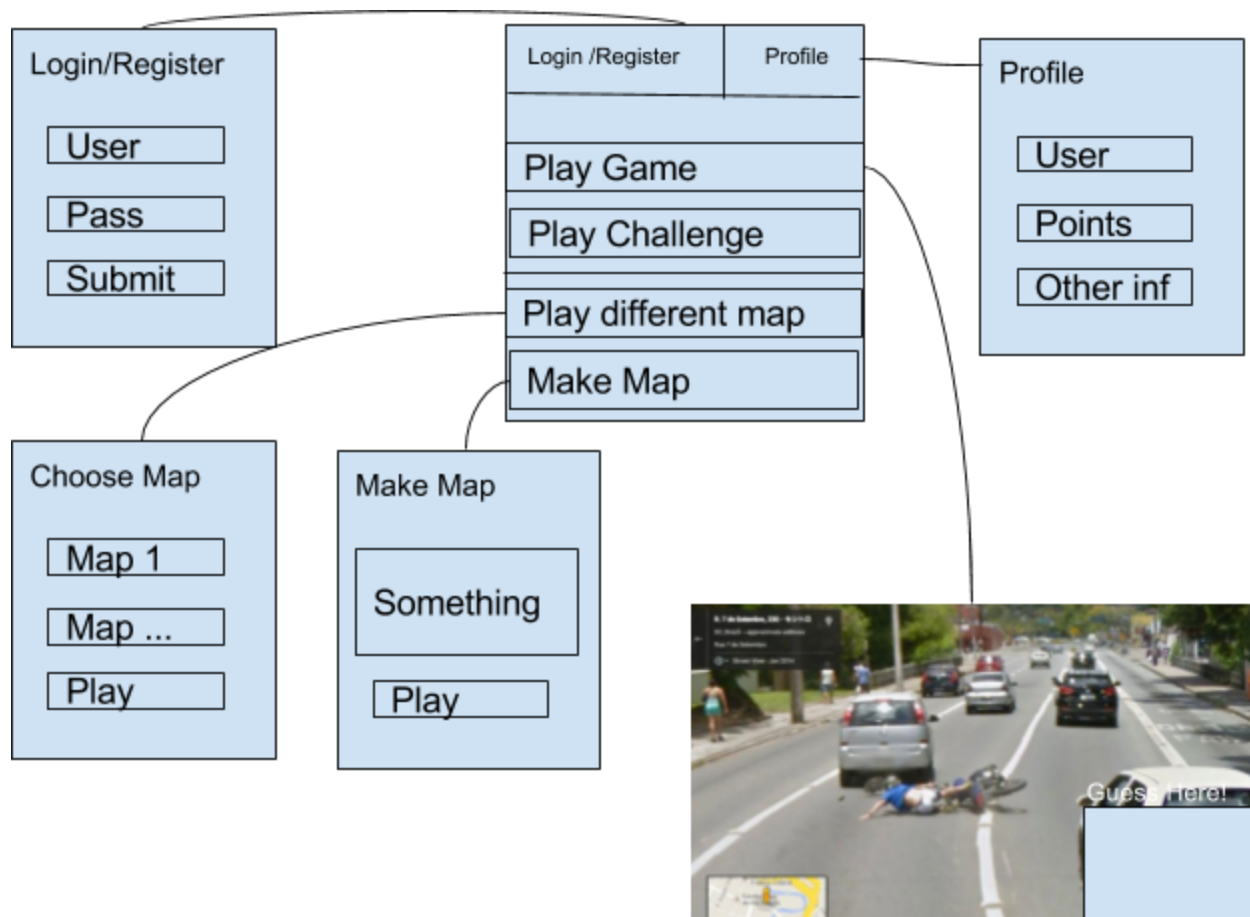
Database Schema (exact names subject to change)

- Users Database
 - User Info Table
 - Username
 - Hashed password
 - Leaderboard Table
 - Username
 - Score

Component Map:



Sitemap for Front-end



Breakdown of Tasks

General Roles (Flexible)

- Alex - Project Manager + General Assistance to both ends
- Daniel - **AESTHETICS**
- Yiduo - Google map API stuff, flask, ip addresses
- Jerome - databases, flask, map themes and datasets