

Weatherdle





















City Name	Summer Hi	Summer Lo	Longest Day	Winter Hi	Winter Lo	Shortest Day
Denver Colorado	88 ↓	62 ↓	14 hours 59 minutes ↓	46 ↑	23 ↑	9 hours 21 minutes ↑
Austin Texas	96 ↓	75 ↓	10 hours 12 minutes ↓	62 ↓	43 ↑	10 hours 12 minutes ↓
San Fransisco California	72	58	14 hours 47 minutes	57	46	9 hours 33 minutes

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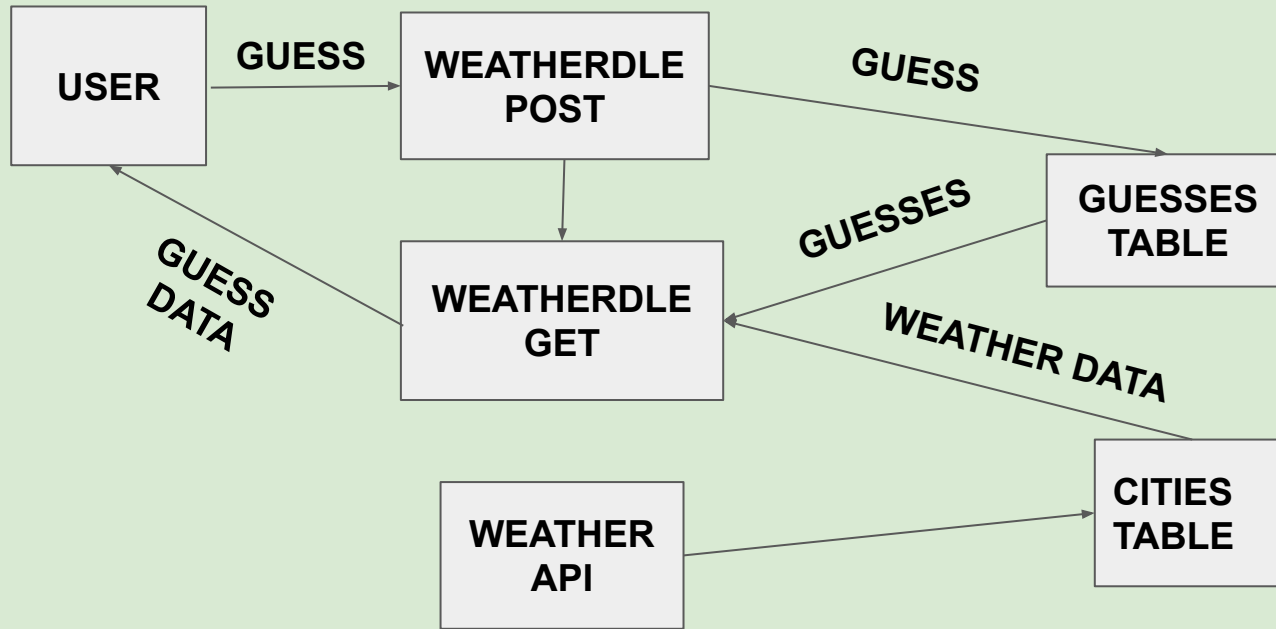
Description:

Weatherdle is a game in which the user is given weather facts including average temperature, average rainfall, and average clouds in order to guess a city by its weather information. This guess is then compared to the actual answer and the application outputs hints based on the user's guess. When the user has correctly guessed the city, they are prompted to look at the leaderboard which shows statistics such as number of times played, win percentage, current streak, and the number of guesses used for each time played.

Tools:

Tool Name	Logo		Purpose	Rating
GitHub Board			Project Tracker	
GitHub			VCS Repository	
PostgreSQL			Database	
Visual Studio Code			IED	
JS, EJS, SQL			UI Tools	
Node JS			Application Server	
Microsoft Azure			Deployment Environment	
Visual Crossing Weather API			External API	
Chai			Testing Tool	
Methodology			Iterative/Peer Review	

Architecture diagram:



Challenges:

- **Issues with json** - Capital cities were in the wrong country planned to resolve by loading json of country and country abbreviations to a stringdict. Also had issues with duplicate country names solved by checking latitude and longitude.
- **Finding an API** - We had a difficult time finding an API that offers historical averages, had to compromise and use average weather from 2022.
- **Formatting of leaderboard** - Difficulties making a page with proper spacing and a layout that did not look dated. Took inspiration from other leaderboards to create a better layout.