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NOAA Global Surface Summary of the Day Weather Data

The Data
Our dataset "includes global data obtained from the USAF Climatology Center. This dataset covers GSOD data between 1929 and 2016, collected from over 9000 stations." The data covers all pertinent meteorological information gathered by the stations including temperature, precipitation, visibility, dew point, etc.

Licensing
The information is freely accessible to all users through Google's BigQuery console via SQL queries. "This dataset is publicly available for anyone to use under the following terms provided by the Dataset Source — http://www.data.gov/privacy-policy#data_policy — and is provided 'AS IS' without any warranty, express or implied, from Google. Google disclaims all liability for any damages, direct or indirect, resulting from the use of the dataset."

Link
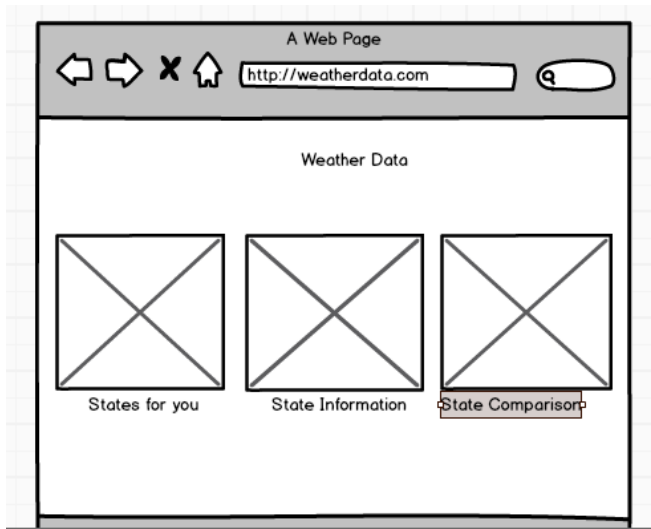https://cloud.google.com/bigquery/public-data/noaa-gsod

The Webapp
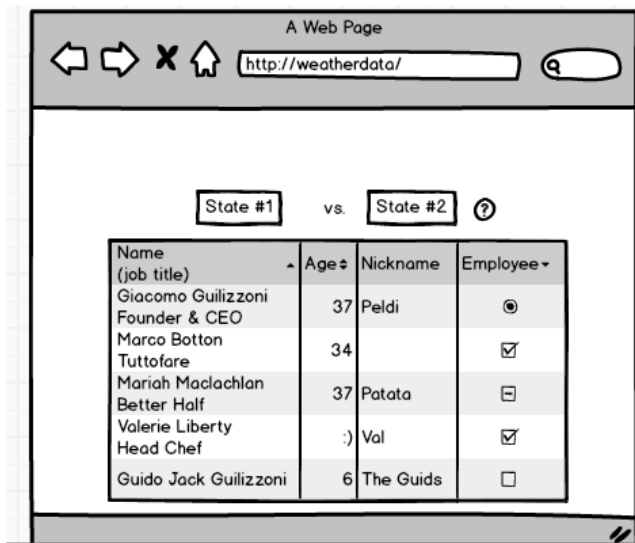1. State Weather Summary
   a. MVP: Highest/lowest temperature since 1929, average temperature by season (last 20 years)
   b. Stretch: Average rainy/snowy days, average rainfall/snowfall, average humidity by season
2. State comparison based on 1.
3. State suggestions based on user climate preferences
   a. MVP: Temperature, sunny days
   b. Stretch: Rainy days, snowy days, humidity
4. Refine to City-Level
5. Ambience: Spotify Integration

Web Images

Home Page

State Comparison

Ideal State Finder

A Web Page

http://weatherdata/findstates

Home

☐ Avg. Temp: _ *to* _
☐ Percipitation Rate: _ *to* _
☐ Max Temp: __
☐ Min Temp: __

Go!

Results:
State 1
State 2
....

State Search

A Web Page

http://weatherdata/state.com

🔍 Search a State ⑦

Name (job title)	Age ↕	Nickname	Employee ▾
Giacomo Guilizzoni Founder & CEO	37	Peldi	⦿
Marco Botton Tuttofare	34		☑
Mariah Maclachlan Better Half	37	Patata	⊟
Valerie Liberty Head Chef	:)	Val	☑
Guido Jack Guilizzoni	6	The Guids	☐