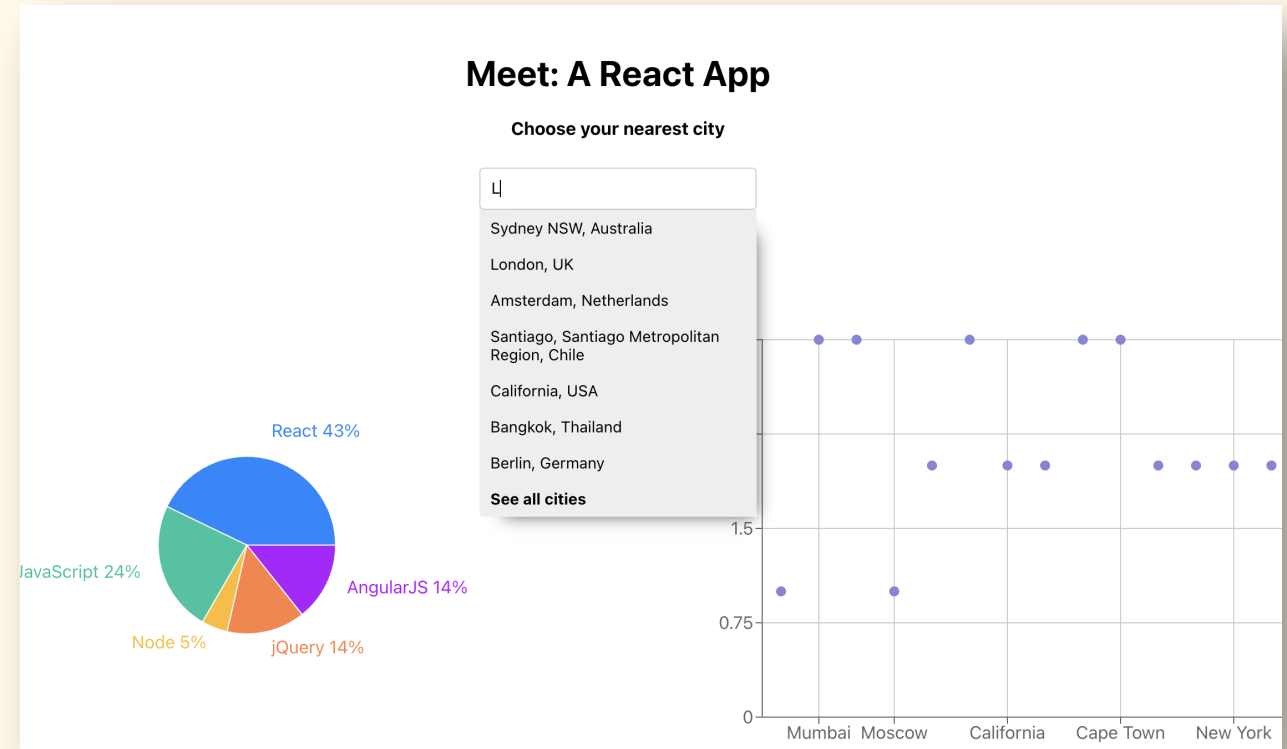# Meet App

Overview:

Meet is a progressive web app with mobile capabilities, developed using a test-driven development technique in React. The app uses the Google Calendar API to fetch upcoming events, as well as Google Authentication to log in. Users can filter events based on location and/or number of events.

Purpose & context:

Meet was a personal project I built as part of my web development course at CareerFoundry to display my ability to use React's test-driven development technique.

Objective:

The end goal of the project was to have a project I can add to my professional portfolio that displays my React skills. The problem I wanted to solve was to build a progressive web app that tests my knowledge of test-driven development.

Approach:

I used a Test-Driven Development approach for this project.
Writing tests before I wrote any functional code helped me to
focus on the requirements of my application. Once I finished testing,
I implemented serverless architecture using AWS Lambda on the back-end
because there's no maintenance, it's easy to scale, always available,
and there's no cost for idle time.

On the client-side, I implemented graphs to display data about all of the
available events. This app also allows users to search for a city and get
a list of events hosted in that city.

Challenges:

This project was interesting and a great learning
experience for me due, mostly, to the testing portion
of the development pipeline. Writing the tests
correctly is what I struggled with the most. However,
the struggle ended up being extremely useful for my
project because I was able to weed out any potential
bugs and it made developing the rest of the app much
easier.

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