



`<h1>JAKE PORTARO || GOOGLE CALENDAR</h1>`

OVERVIEW

PROCESS

GOAL

- In today's society, everything is on a schedule and automated. Therefore, the objective of this project was to establish a connection through Google calendar by city
- During the course of this project, I applied google-calendars API to integrate with my website.
- The overall goal was to turn my website that could act as a PWA (Progressive Web App) and function offline with cookies and cache data.

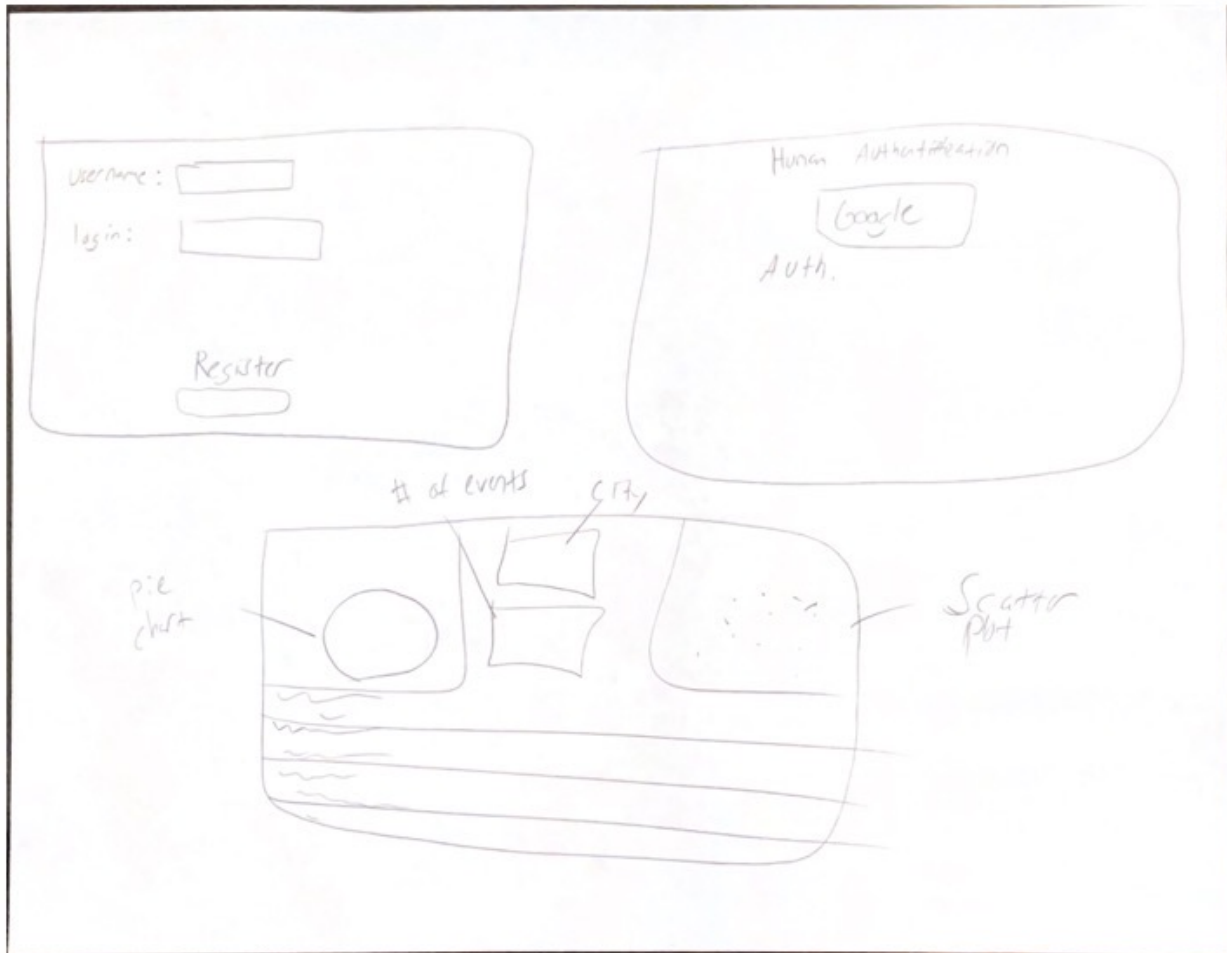
Why is integration important?

- App integration is important because it enables different applications and software systems to communicate and exchange data with each other, creating a seamless workflow.

Benefits of app integration:

- Increased efficiency and productivity by automating processes and reducing manual effort
- Better data flow and management by eliminating data silos and providing a centralized view of information
- Improved decision-making by providing access to a wider range of data sources
- Enhanced user experience by providing a seamless, integrated workflow across multiple applications
- Increased agility and responsiveness to changing business needs by allowing for quick and easy integration of new applications and systems.

Initial Sketches



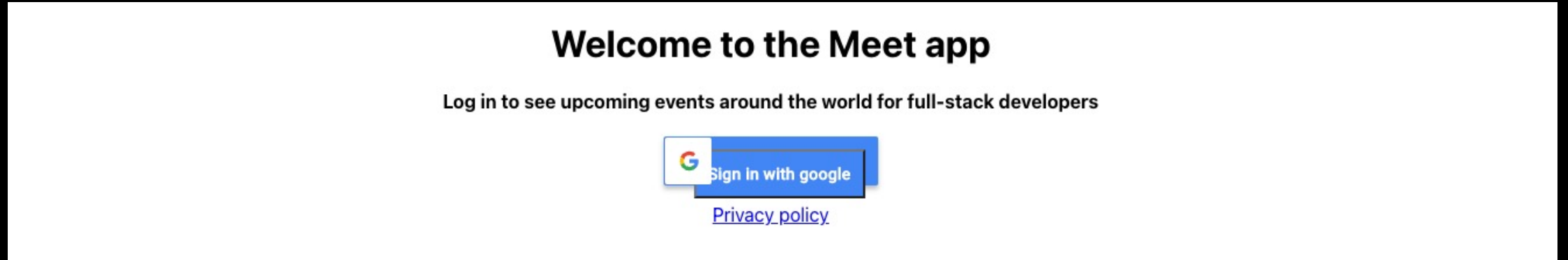
- The initial thought of the website was to have a user login
- With more thought, I decided it would be better to just have human authentication with an email
- No login necessary

Authentication

```
11 export const checkToken = async (accessToken) => {  
12   const result = await fetch(  
13     `https://www.googleapis.com/oauth2/v1/tokeninfo?access_token=${accessToken}`  
14   )  
15   .then((res) => res.json())  
16   .catch((error) => error.json());  
17  
18   return result;  
19 };  
20
```

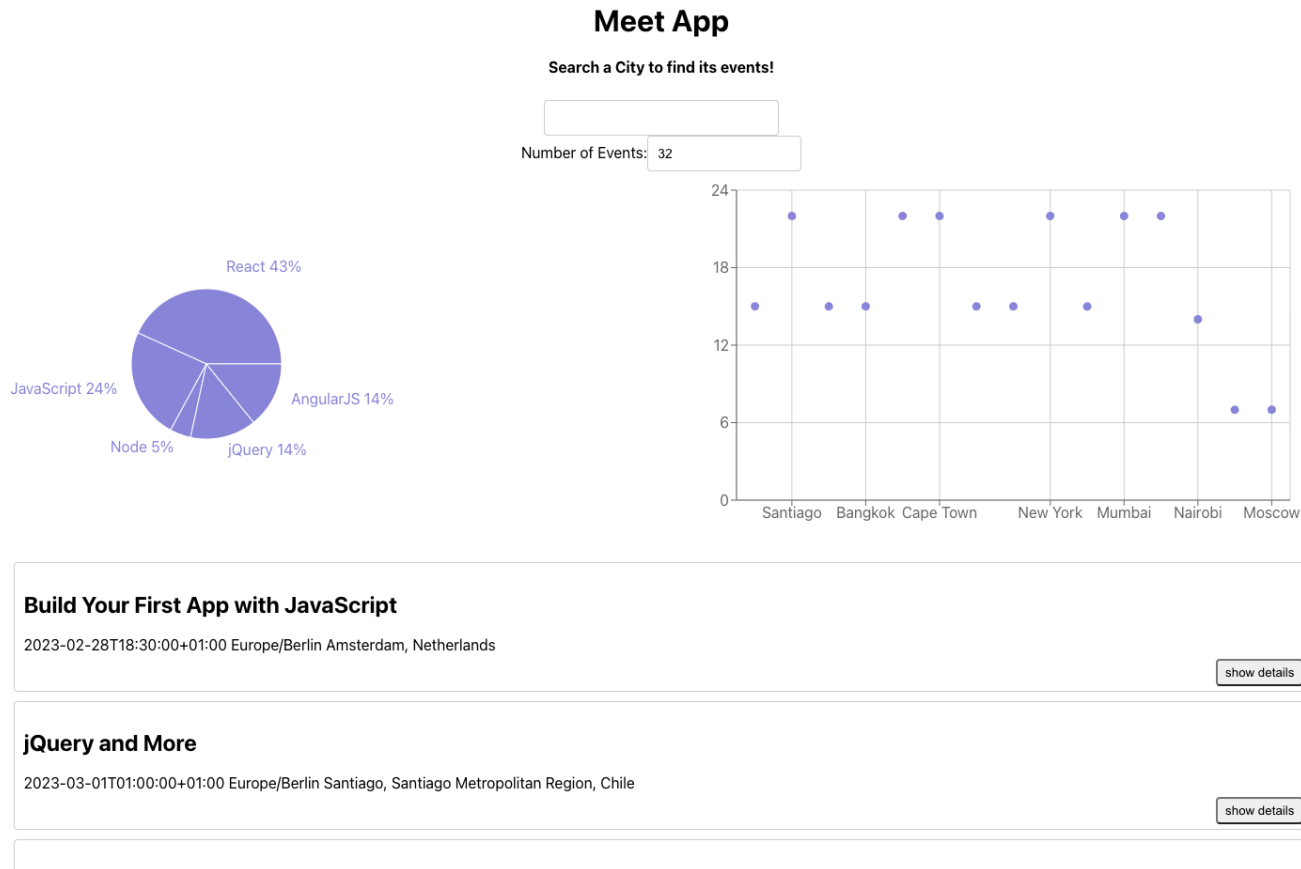
Here we can see the "CheckToken" function call for an asynchronous access token through Google's API in order for the user to see upcoming events when a valid email is inputted

What it looks like!



- This button allows for users to authenticate themselves with their Google Email (Gmail) and be able to use the app without restrictions!

Check it out for yourself!



Either Click on the image or the link below to be taken to the website!

<https://jakeportaro.github.io/meet/>

Key Takeaways!

What went well

The chart and data integration was great! Everything worked easy and like it was supposed to!

What didn't go well

The authentication integration was tricky. It was tough to make sure users were given the right access.

Future

I would love to improve on authentication and integration. Why build something new when it's already been built?

Final thoughts

This project was awesome and I learned so much. Learning how to integrate is the key to software engineering.