

<h1>JAKE PORTARO || Pokedex App</H1>

OVERVIEW

PROCESS

GOAL

- Pokemon is one of the world's biggest anime, so why not make a website for it?
- During the course of this project, I applied a database to integrate with my website.
- The overall goal was to make a frontend app that would integrate with a database to show names, details, and images

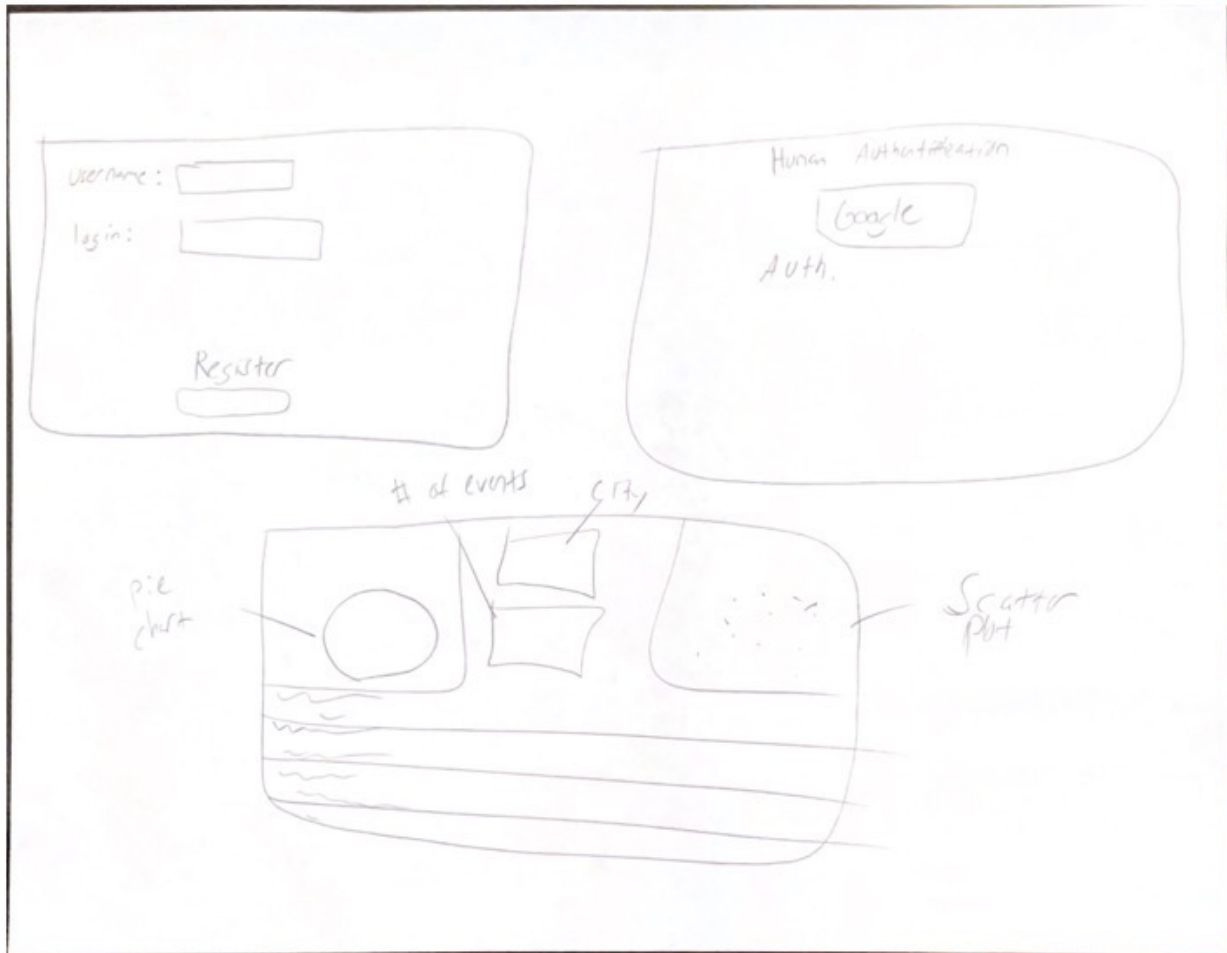
Why are databases so important?

- Databases are crucial as they efficiently store, organize, and manage large amounts of structured or unstructured data, enabling fast and reliable access for applications and facilitating data-driven decision-making.

Benefits of having a database:

- Optimal data storage and organization for efficient management.
- Reliable data retrieval for quick and accurate access.
- Robust security measures for safeguarding valuable data assets.
- Ensures data integrity and consistency across the database system.
- Enables data analysis, leading to informed and strategic decision-making.

Initial Sketches



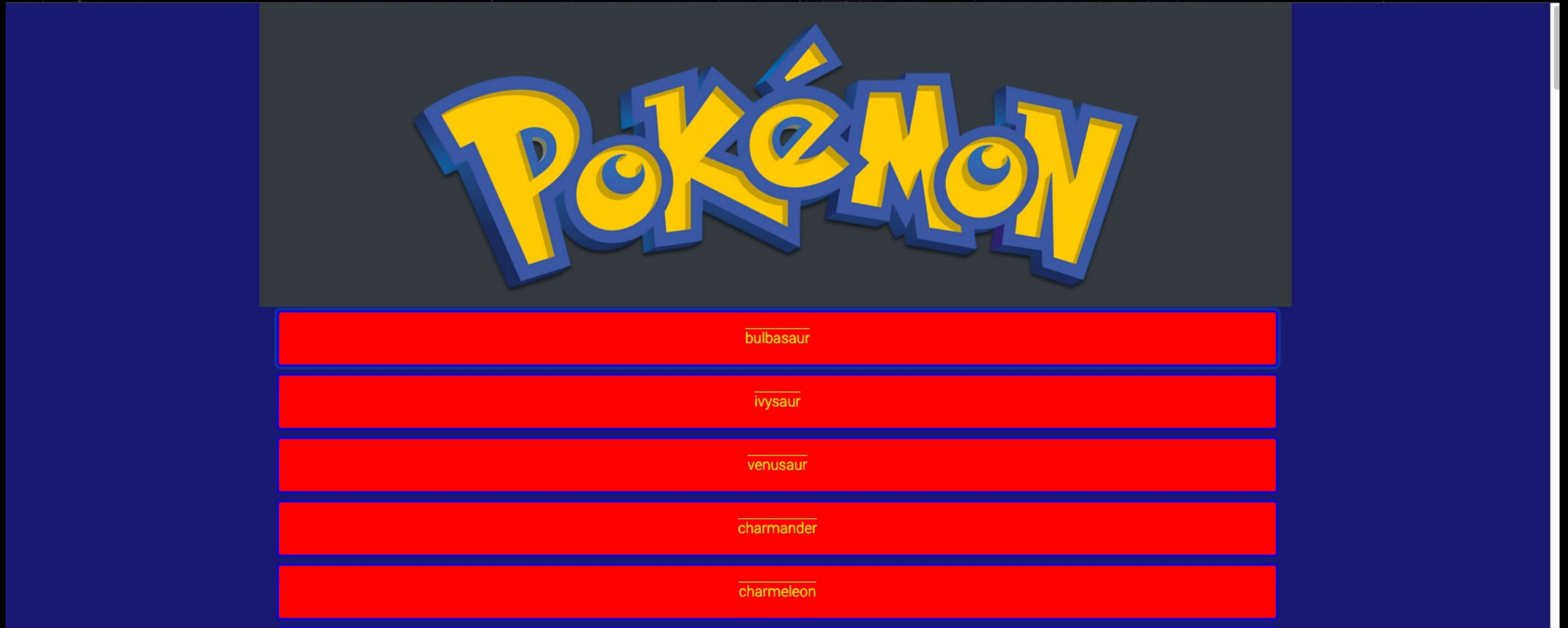
- The initial thought of the website was to have a user login
- With more thought, I decided to make it accessible to anyone, not just user's with accounts
- Making it colorful was definitely a must

API RESTful calls

```
1 let pokemonRepository = (function () { // Entered the IIFE function and now the pokemonList is "protected"
2   let pokemonList = [];
3   let apiUrl = 'https://pokeapi.co/api/v2/pokemon?offset=0&limit=150';
4   let modalContainer = document.querySelector('#modal-container');
5
6
7
8   function add(pokemon) { //Entered add function that declares typeof pokemon
9     if (
10      typeof pokemon === "object" &&
11      "name" in pokemon &&
12      "detailsUrl" in pokemon
13    ) {
14      pokemonList.push(pokemon);
15    } else {
16      console.log("Pokemon is not correct");
17    }
18  }
19
20  function getAll() { //Added getAll function to get all pokemon
21    return pokemonList; //Return function takes the pokemon from the array
22  }
23
24  function addListItem(pokemon) { // Function addListItem is used for DOM
25    let pokemonList = document.querySelector(".pokemon-list"); //pokemon-list is ul in index
26    let pokemonItem = document.createElement("li");
27    pokemonList.classList.add("group-list-item");
28    pokemonList.classList.add("col-sm-4", "col-md-6", "col-lg-12");
29    let buttonItem = document.createElement("button"); // creating a button
30    buttonItem.classList.add("pokemonButton");
31    buttonItem.innerText = pokemon.name;
32    buttonItem.setAttribute("data-toggle", "modal");
33    buttonItem.setAttribute("data-target", "#pokemon-modal");
34    $(buttonItem).addClass('button-class btn-block btn m1');
35    pokemonItem.appendChild(buttonItem); // calling the listpokemon to the button
36    pokemonList.appendChild(pokemonItem); // calling the pokemonList to the list
37    buttonItem.addEventListener("click", function (event) {
38      showDetails(pokemon);
39    });
40  }
41}
```

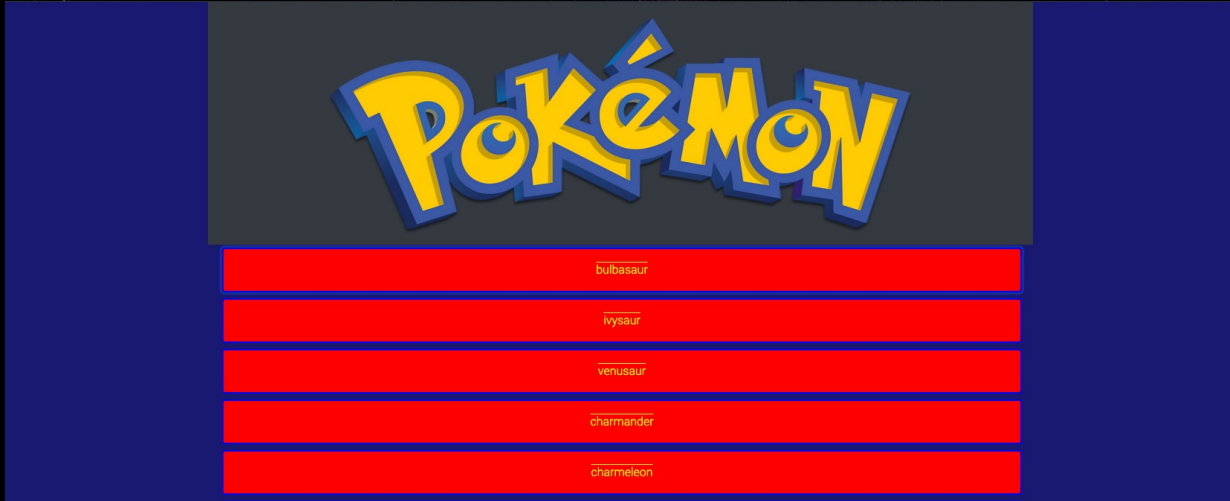
Here we can see the API definition to the public database of Pokémon, along with other functions and JavaScript to create the assortment.

What it looks like!



- This is a picture of the website with a list over 100 Pokémon!

Check it out for yourself!



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

<https://jakeportaro.github.io/simple-js-app/>

Key Takeaways!

What went well

Making the UI of the app was great! It was very fun and exciting!

What didn't go well

Having a huge list of Pokémon may not be helpful without a search bar. I should have added that in.

Future

I would love to improve on making the website deeper and more involved, maybe links to games and such

Final thoughts

This project was awesome and I learned a ton. Even a simple app can be exciting!