



CSCI 3308 012-04 Group Project

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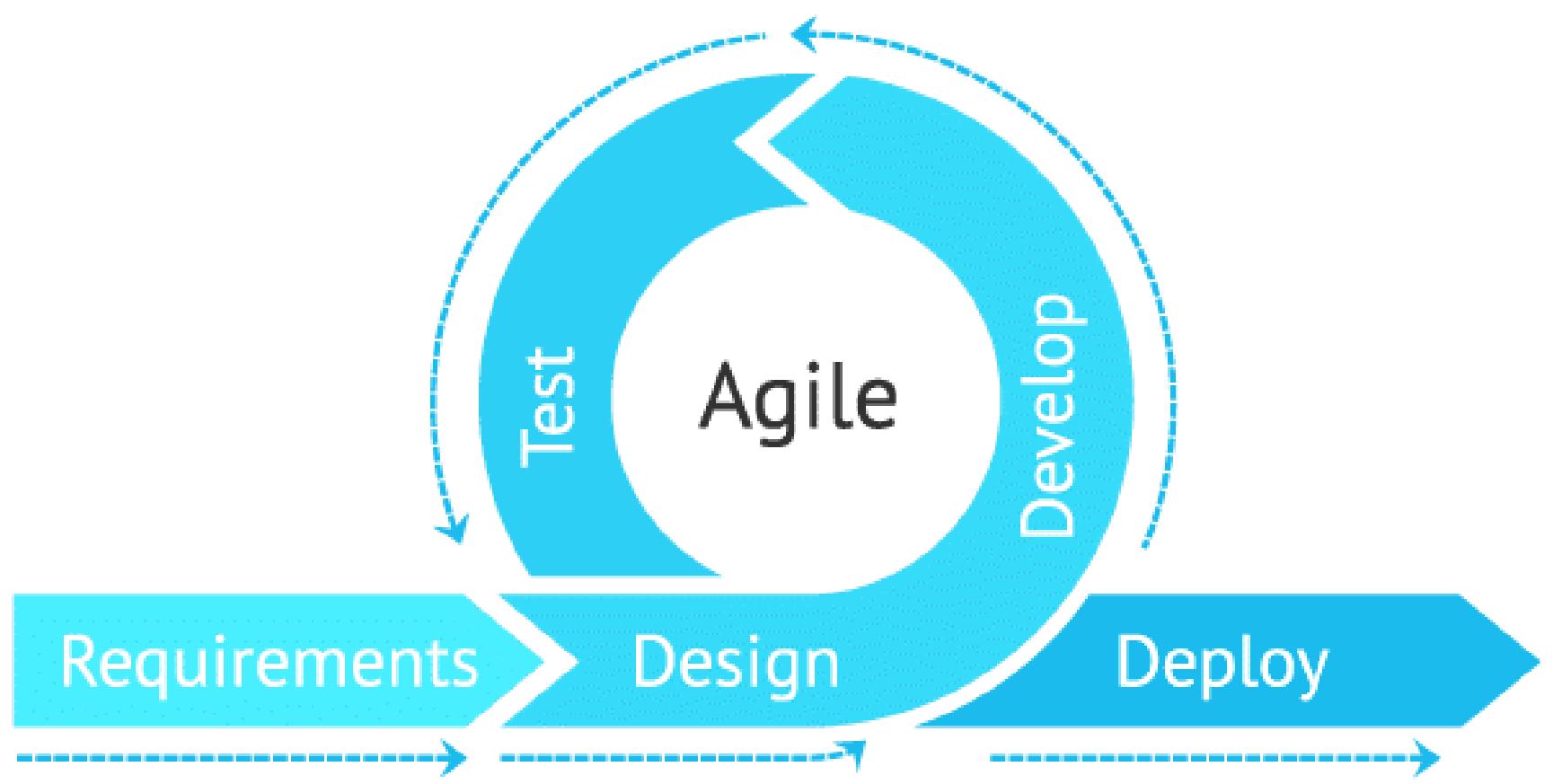


An **integrative database of Pokémons** and their corresponding stats, where users can **track and maintain a personal collection** as well as a trainer profile.

Features of the application include:

- *Search function*, to look up and pull certain data about Pokémons such as their stats and types.
- *User Profile*, where the user can keep track of Pokémons they have collected
- *Trade Page*, for users to trade Pokémons cards with other users

METHODOLOGIES

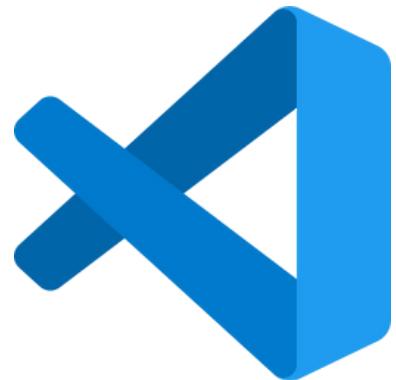


Agile Project Management



Pair Programming

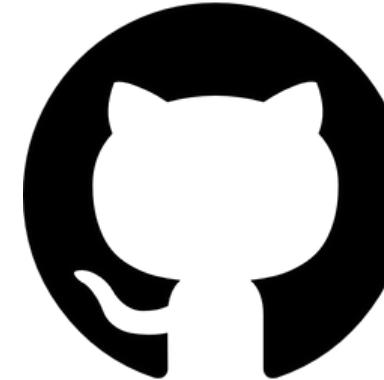
TOOLS



VS Code : 5
IDE



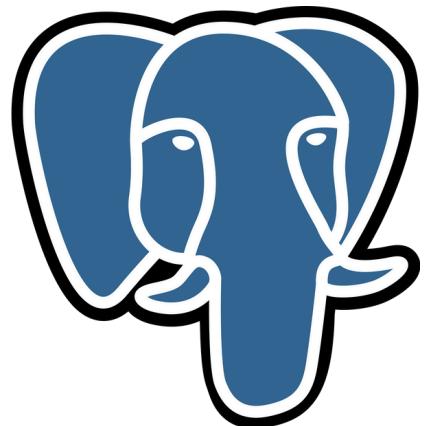
Discord : 5
Communication



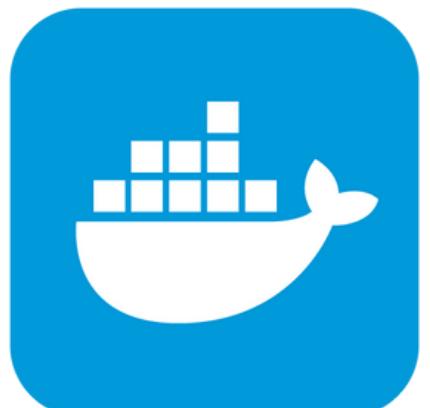
GitHub : 4
VCS and project tracker



HTML & Handlebars : 5
UI Tools



PostgreSQL : 5
Database



Docker : 4
Containerization



Figma : 4
UI Tools



PokéAPI : 5
External API

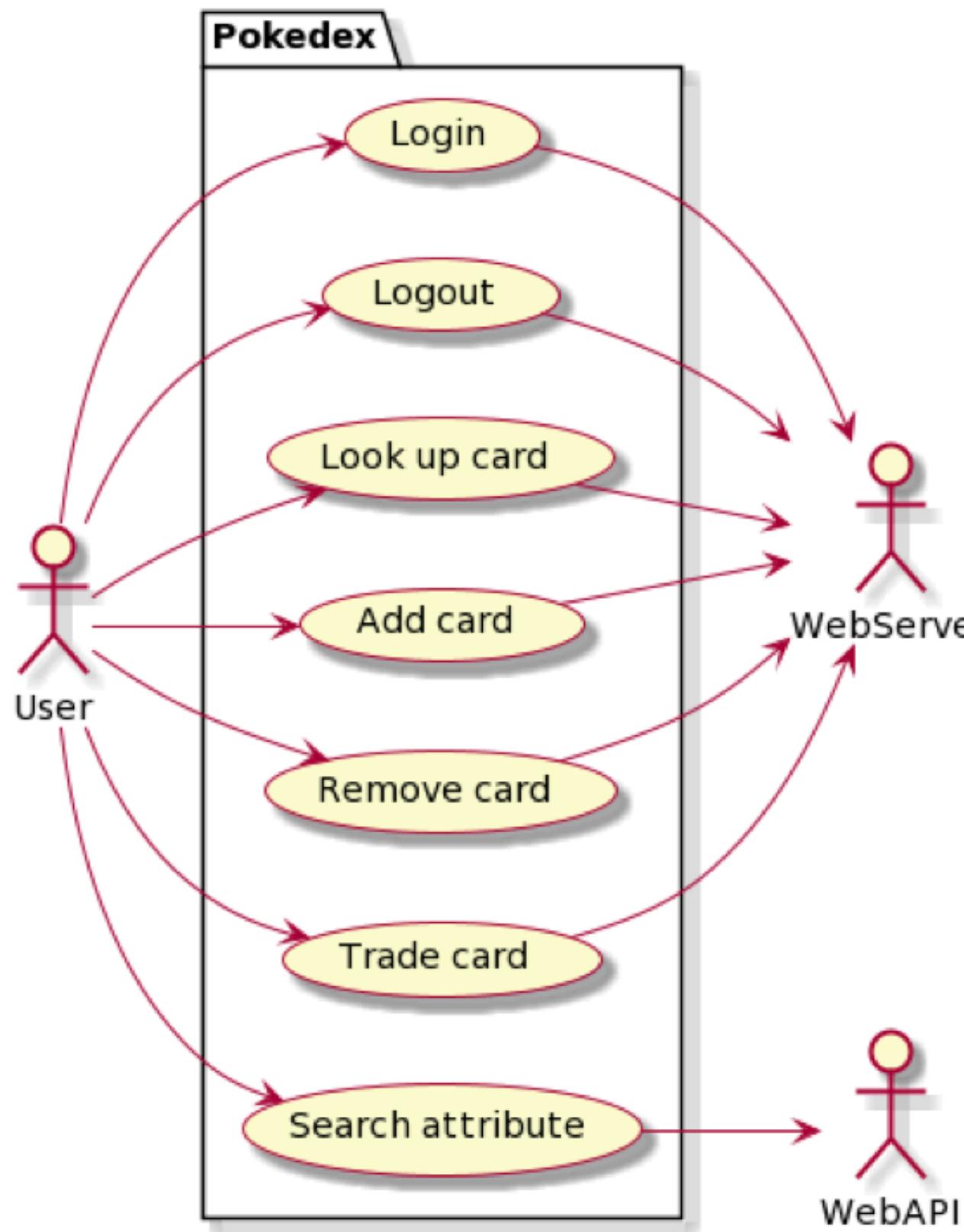


NodeJS: 5
Application Server

localhost:3000

Local host : 5
Deployment

BRAINSTORMING THE INTERFACE

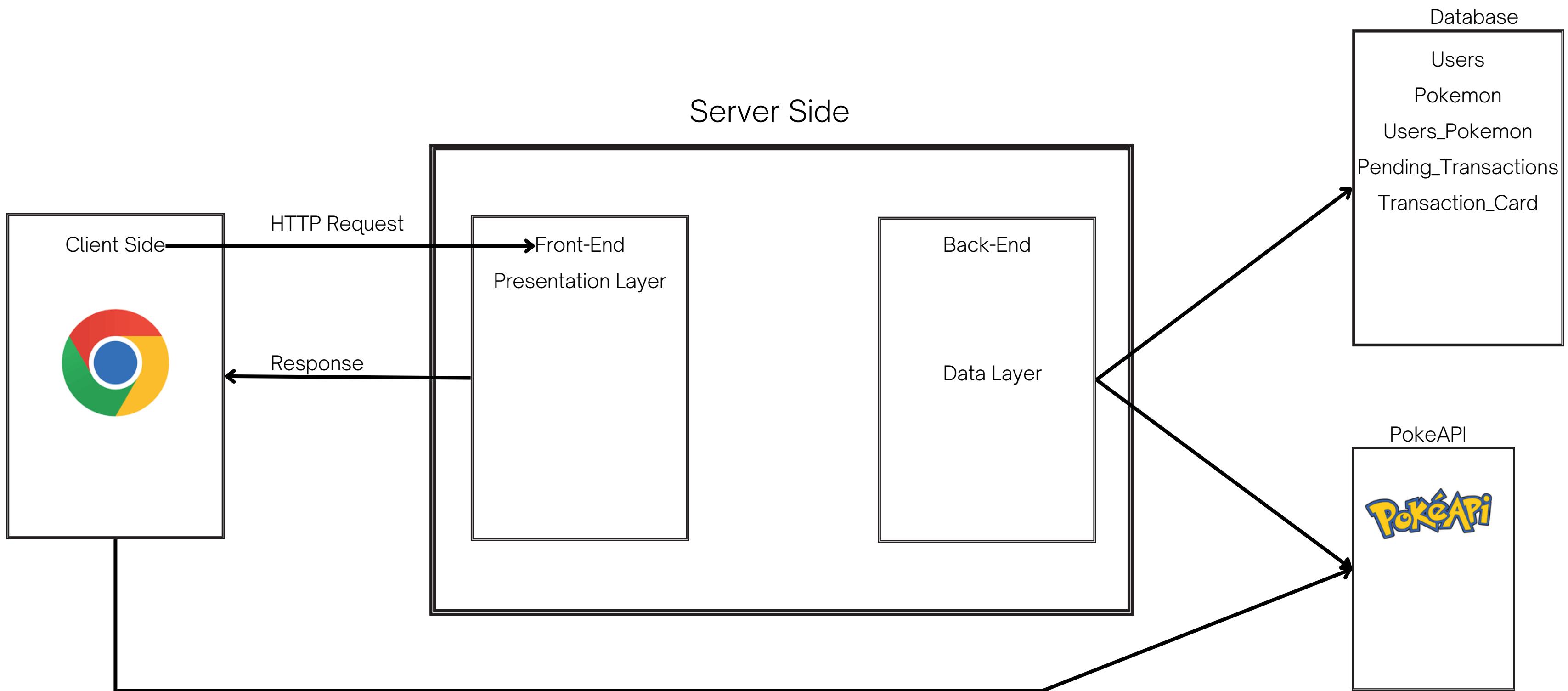


The top screenshot shows the main search interface of the Pokédex. It features a search bar at the top with placeholder text "Name or Number" and a "Search" button. Below the search bar is a message: "Use the Advanced Search to explore Pokémon by type, weakness, Ability, and more!". A "Surprise Me!" button and a "Sort By" dropdown menu (set to "Lowest Number (First)") are also present. Below these controls, four small images of the first four Grass/Poison-type Pokémon (Bulbasaur, Ivysaur, Venusaur, and Charmander) are displayed with their respective numbers (#0001, #0002, #0003, #0004).

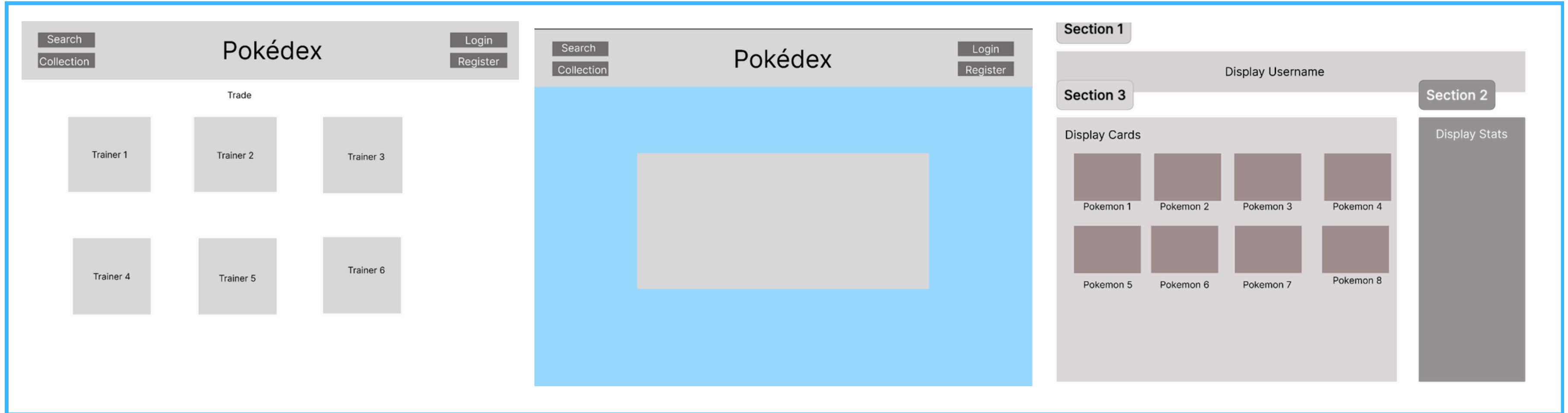
The bottom screenshot shows the "Complete Pokémon Pokédex" page. The title is prominently displayed at the top. Below it is a sub-header: "This is a full list of every Pokémon from all 9 generations of the Pokémon series, along with their main stats." A note below states: "The table is sortable by clicking a column header, and searchable by using the controls above it." At the top of the table are filters for "Name" and "Type". The table itself has columns for "#", "Name", "Type", "Total", "HP", "Attack", "Defense", "Sp. Atk", "Sp. Def", and "Speed". The first three rows of the table are shown:

#	Name	Type	Total	HP	Attack	Defense	Sp. Atk	Sp. Def	Speed
0001	Bulbasaur	GRASS POISON	318	45	49	49	65	65	45
0002	Ivysaur	GRASS POISON	405	60	62	63	80	80	60
0003	Venusaur	GRASS POISON	525	80	82	83	100	100	80

ARCHITECTURE DIAGRAM



Evolution of UI



Pokédex

Search Collection Login Register

choose user to trade with
 user1 user 2 user 3

user1's cards display | your cards display

card1 card2 | card1 card2

Traders Username Your cards

card1 card1

Pokédex

Search Collection Login Register

color palette:
 F4NC1C
 C45C4B
 A2C0C3C
 641C7C
 6424C1B

Pokédex

SEARCH COLLECTION LOGIN REGISTER

Q SEARCH

Filters

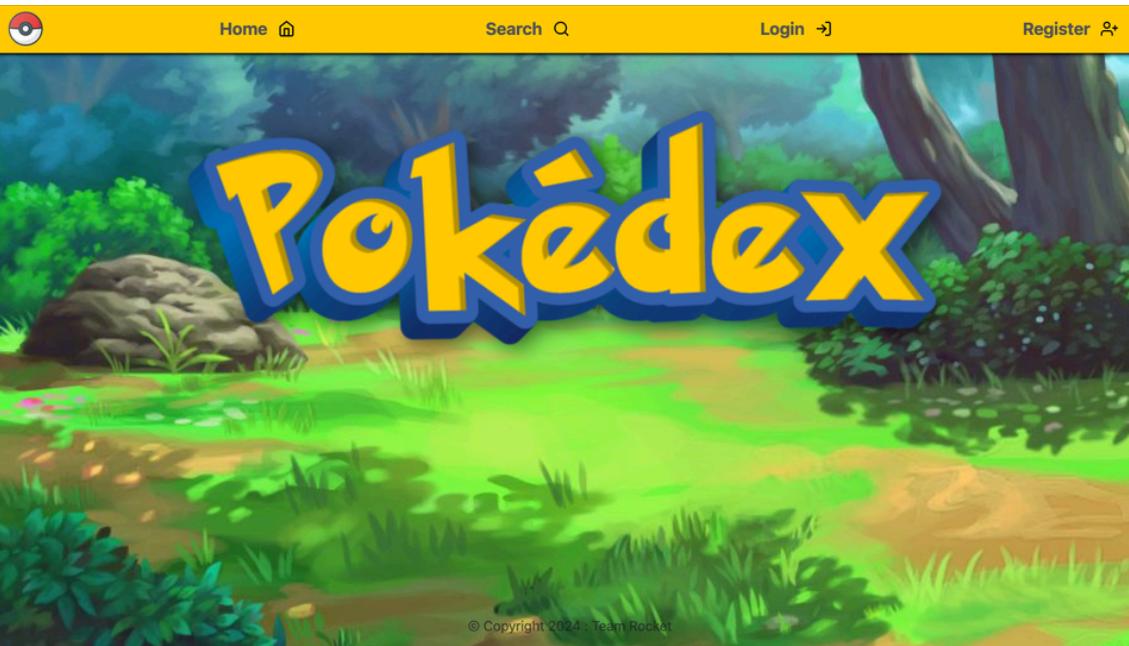
Elemental Types

- Normal
- Dragon
- Electric
- Fighting
- Fire
- Flying
- Ghost
- Grass

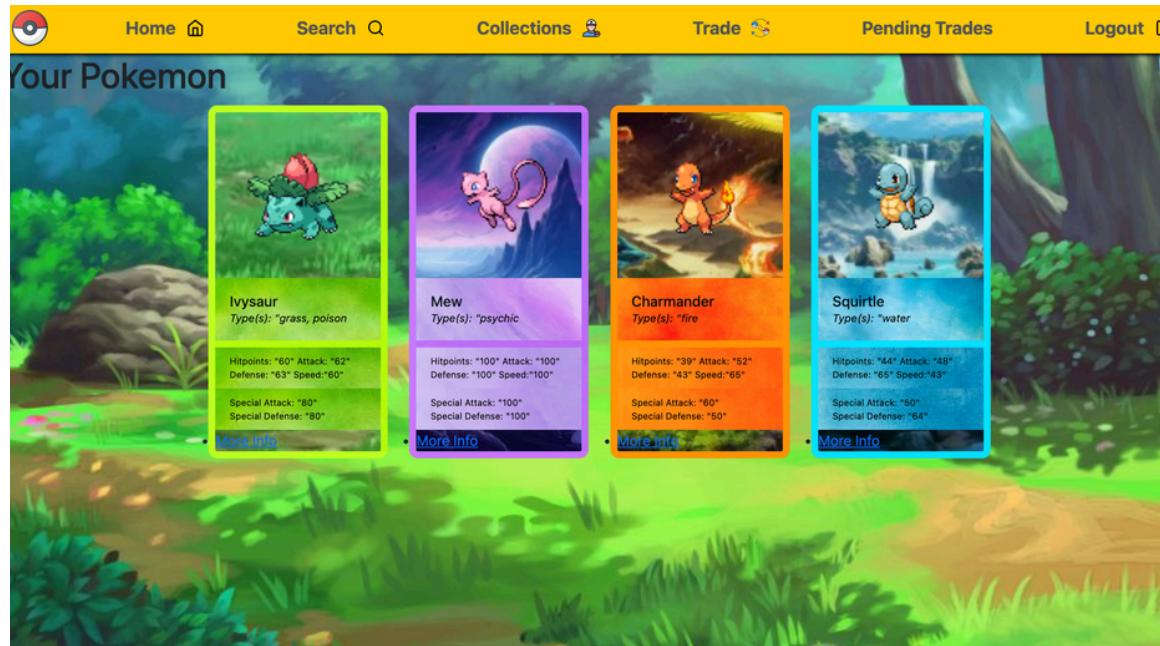
Attack Stats ≥ Defense Stats ≥ Sp. Attack: Spd Defense: Attack: Speed:

Eevee HP 55

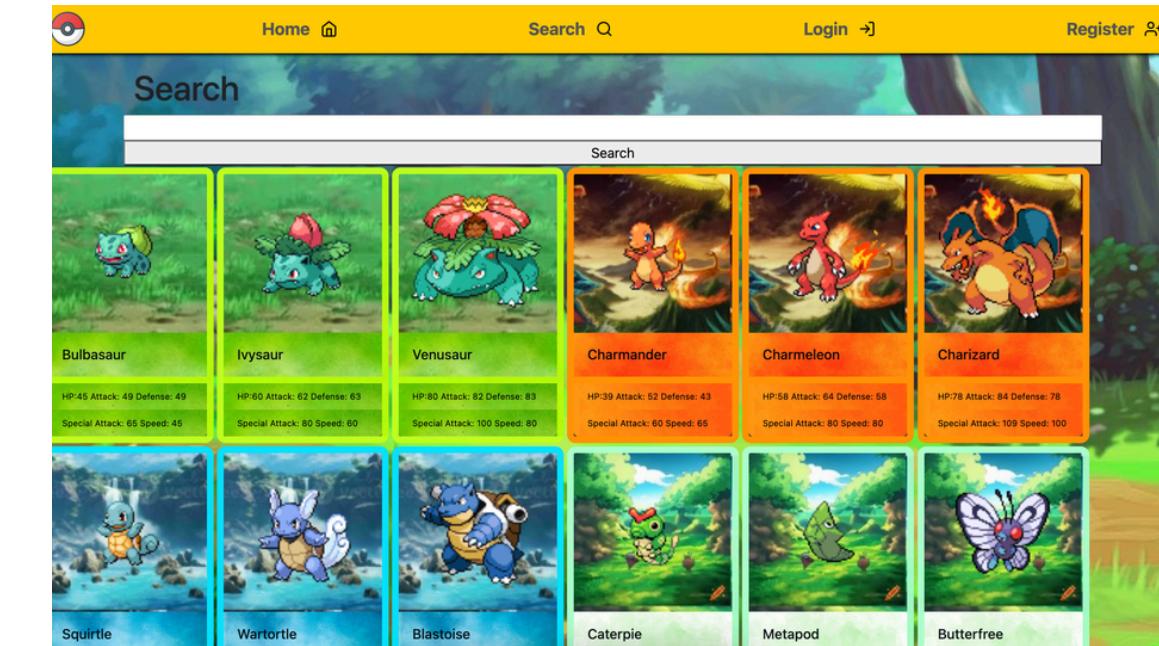
Front Page



Collections Page



Search Page



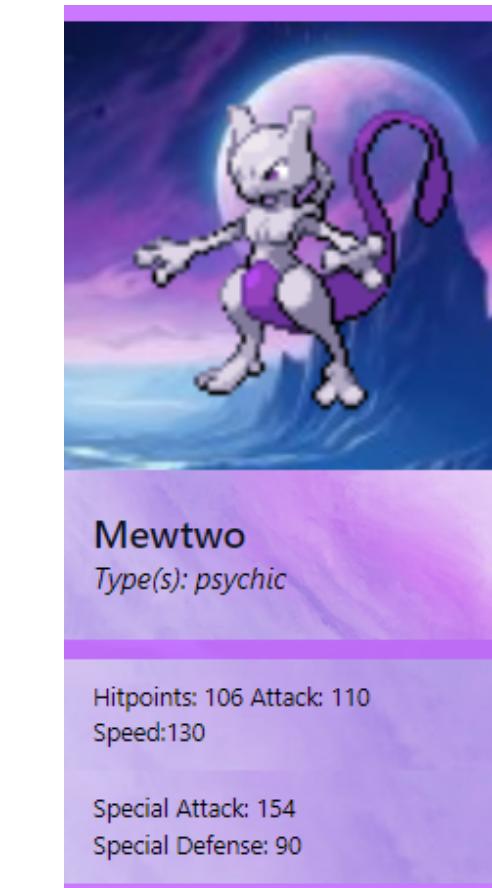
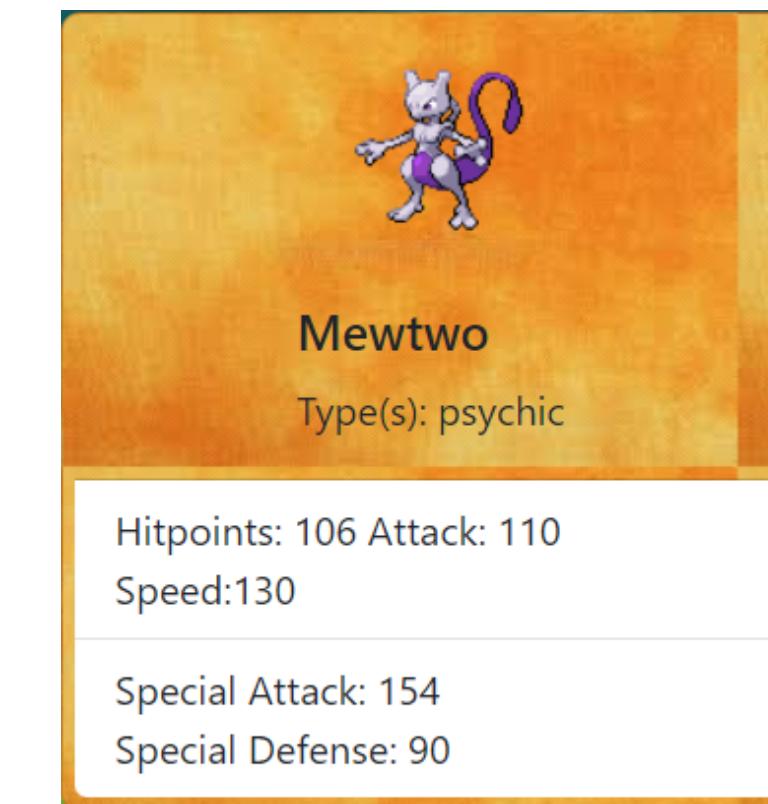
Pokemon Cards based on Type



CHALLENGES

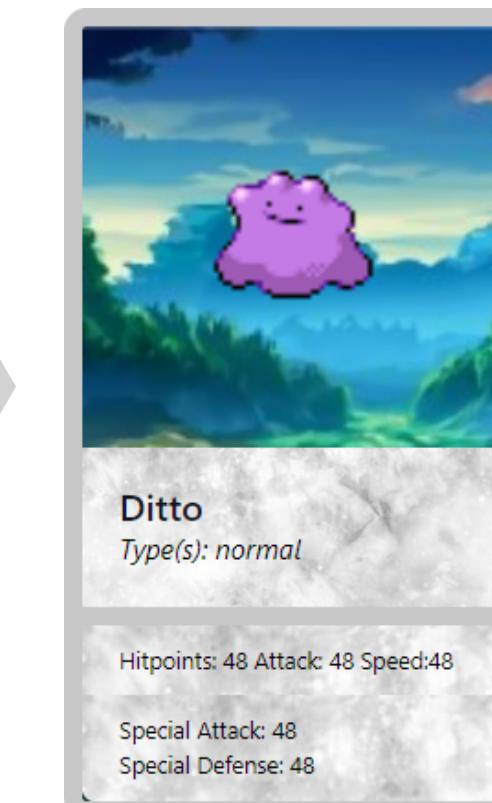
Challenges

1. Importing libraries
2. Changing cards based on type
3. Keeping documentation
4. Implementing conditional displays (add collection button)



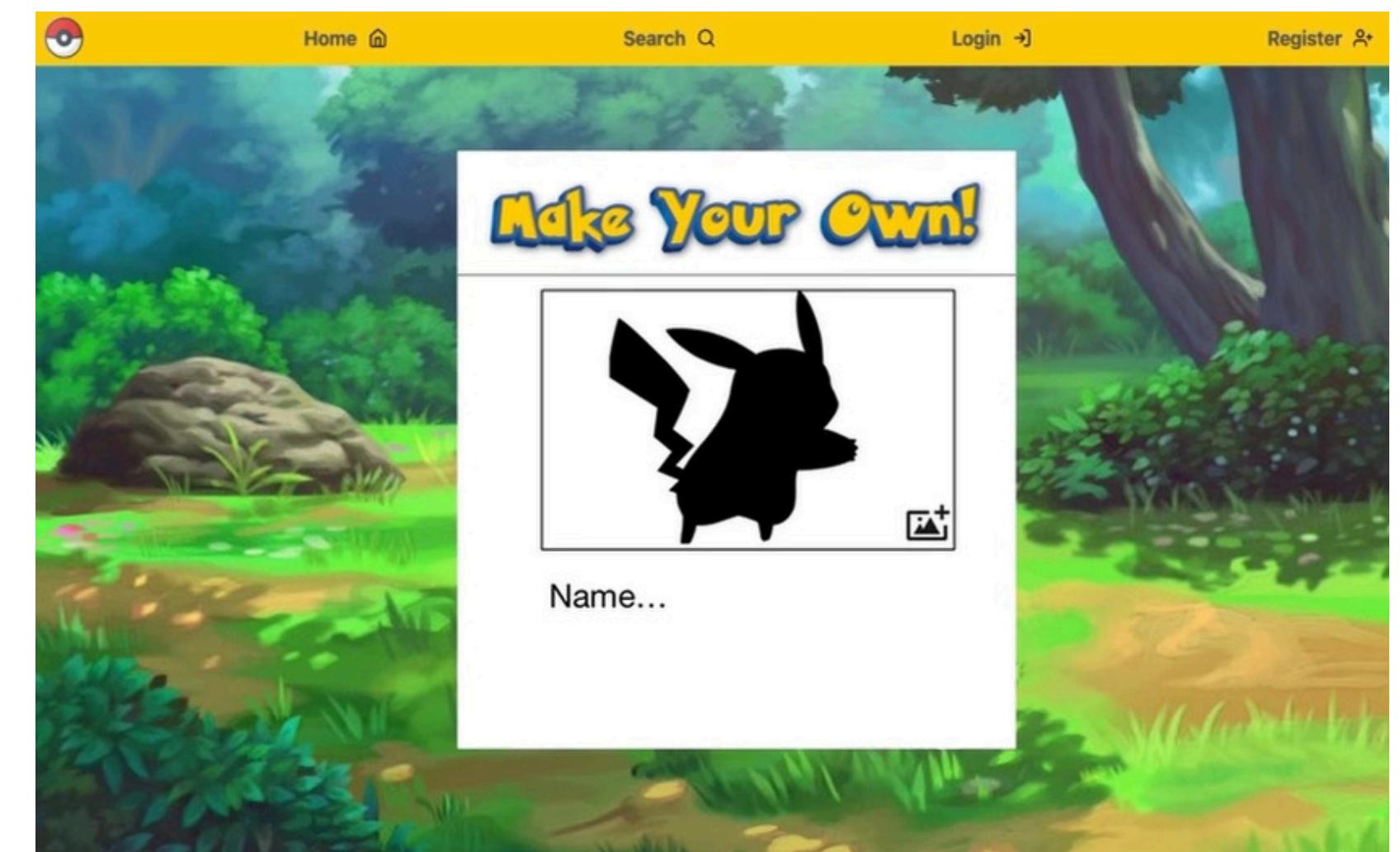
Solutions

1. Changed syntax/pair programming
2. Added classes based on type
3. Keeping good communication
4. Office hours and collaboration

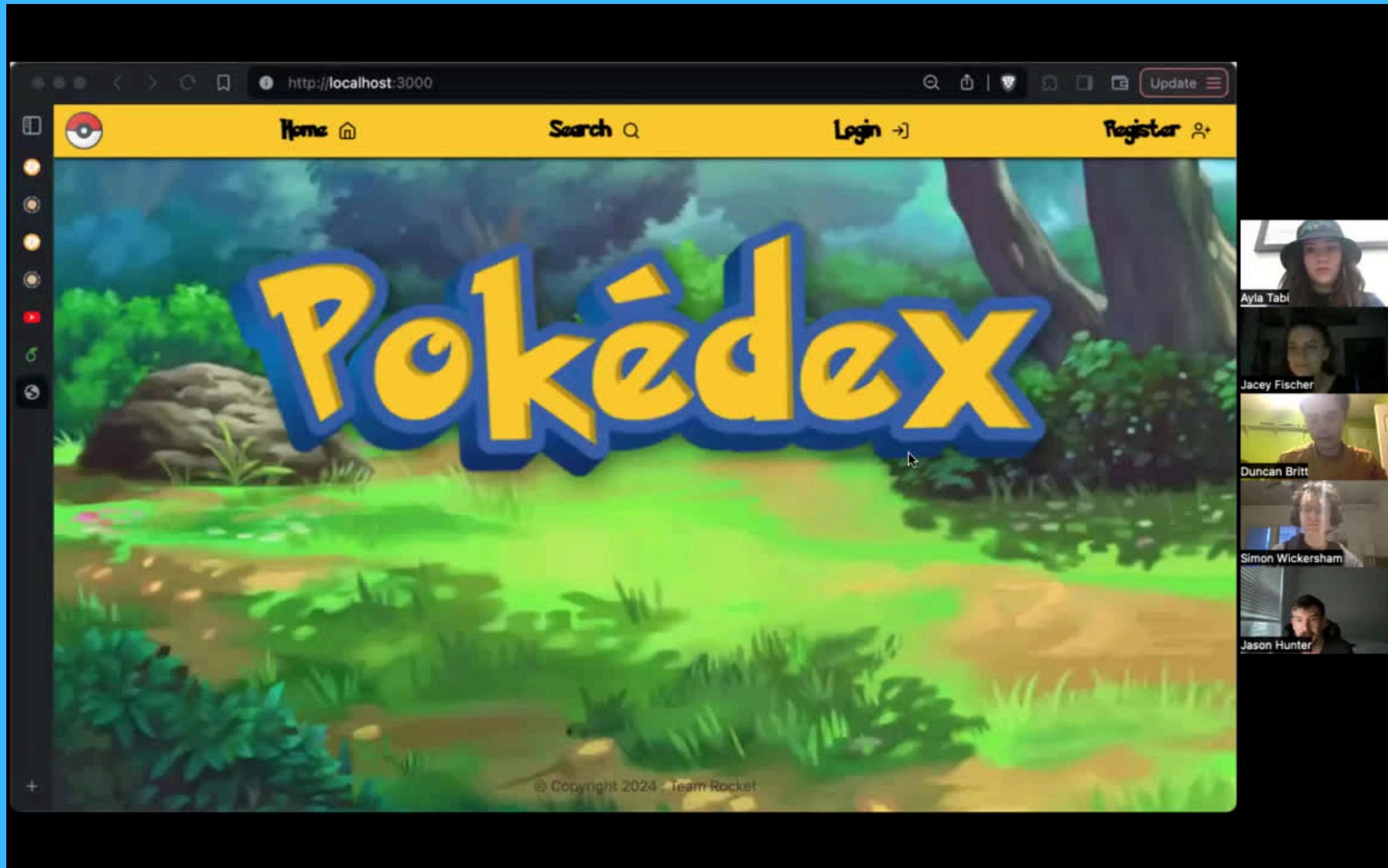


FUTURE SCOPE

- Randomize Feature
- Make your own
Pokemon/Nicknames
- Implement and track game play
- Search by type and stats
- Message board/Announcements



Demo



Questions?
