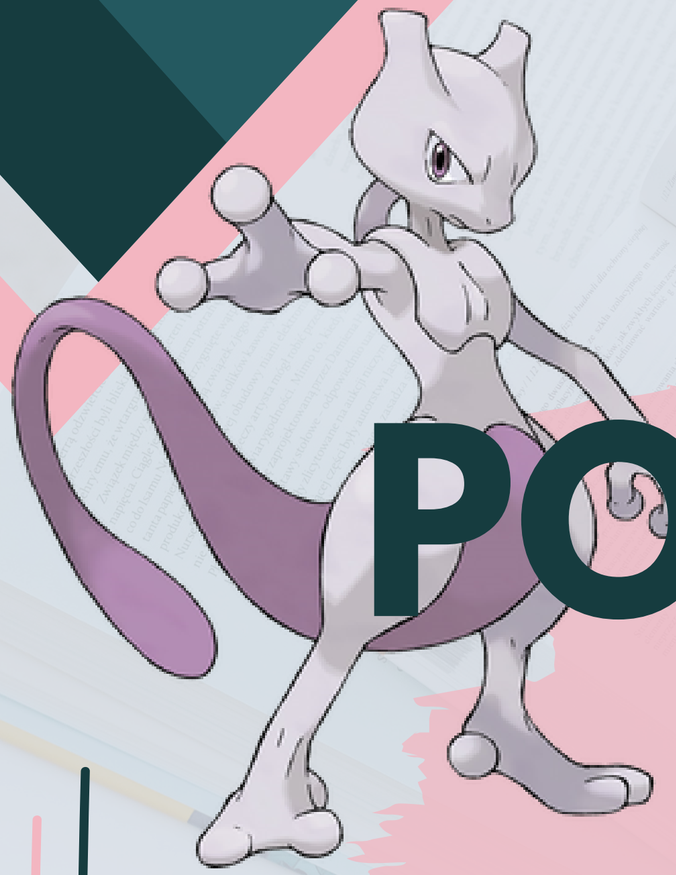
Interactive Platform for Exploring Pokémon Information



POKEDEX APP

Elias Terreros

BACKGROUND

The Pokedex App is an interactive platform allowing users to explore detailed Pokémon information. It integrates the Pokémon API for real-time data fetching, emphasizing dynamic design and user-friendly features.

PROBLEM

Pokémon data is vast and scattered across various sources.

Users need a centralized, visually appealing, and interactive platform.

GOALS

Develop a centralized application for exploring Pokémon.

Implement features like modals for detailed information and search for quick access.

TECHNOLOGIES USED

- JAVASCRIPT FOR DYNAMIC CONTENT.
- BOOTSTRAP FOR RESPONSIVE UI.
- FETCH API FOR DATA INTEGRATION.

DEVELOPMENT PROCESS

Frontend

Used HTML, CSS, and Bootstrap to create a responsive and interactive interface.

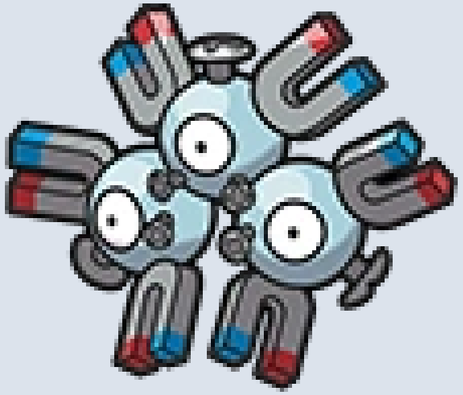
API Integration

Integrated Pokémon API to fetch Pokémon data dynamically.

Techniques

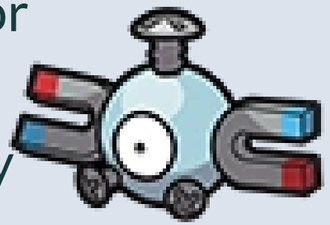
- DOM manipulation for rendering Pokémon dynamically.
- Event handling for modals and search functionality.

RESULTS AND DISCUSSION



Results

- Successfully created a list of 150 Pokémon with dynamic data fetching.
- Implemented a search bar for quick filtering of Pokémon.
- Developed modals to display Pokémon details like image, height, and type.



Discussion

- Integration with the Pokémon API worked seamlessly but required debugging for asynchronous data.
- Styling and responsiveness across devices highlighted areas for improvement.

CONCLUSION AND RECOMMENDATIONS

Conclusion

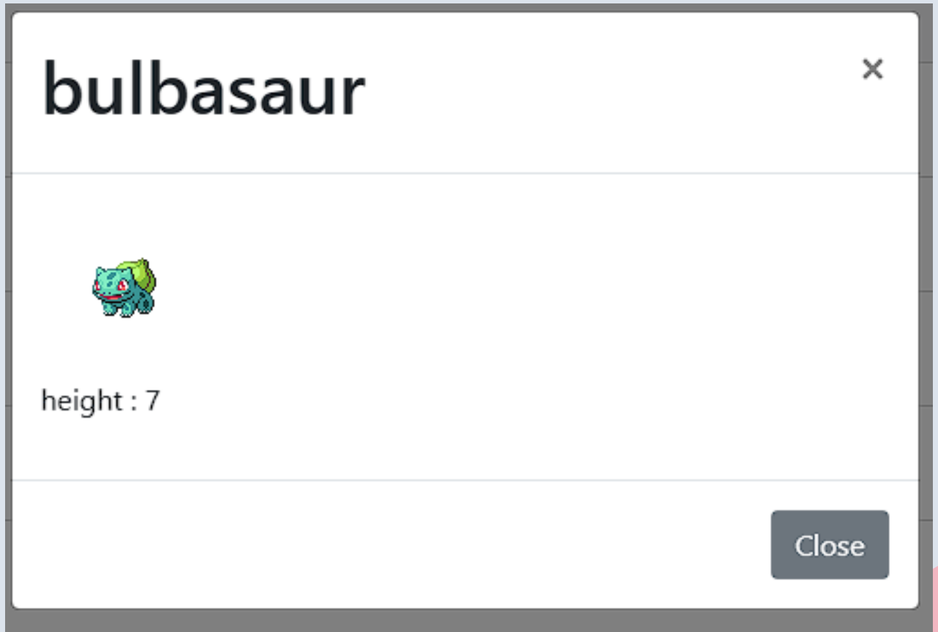
The Pokedex App successfully integrates Pokémon data into a user-friendly platform. It showcases dynamic content rendering and API integration.

Recommendations

- Add Pokémon categorization by type.
- Enable saving favorite Pokémon locally.
- Include stat comparisons for advanced user interaction.

PAGE VIEW

MODAL VIEW



THANK YOU

By Elias Terreros