Minor Project

Project Description:

This project is a simple Pokémon search application built using HTML, CSS, and JavaScript. It allows users to search for Pokémon by name or ID using the PokeAPI. When a search is made, the application fetches the Pokémon's data, including its image, height, weight, and type, and displays it on the web page. If the Pokémon is not found, an error message is shown. The interface is clean, responsive, and easy to use.

Questions and Answers:

Q: What API does this project use?
A: The project uses the PokeAPI to fetch Pokémon data.

Q: How does the search functionality work?
A: The user enters a Pokémon name or ID, and upon clicking the "Search" button, the app sends a fetch request to the PokeAPI. The data is then displayed on the page.

Q: What happens if an invalid name or ID is entered?
A: If an invalid Pokémon name or ID is entered, an error message is shown on the page stating "Pokémon not found."

Q: How is the Pokémon data displayed on the page?
A: The data, including the Pokémon's name, image, height, weight, and type, is dynamically inserted into the HTML using JavaScript.

New Features that Can Be Added:

1. **Search by Pokémon abilities**: Add a feature to search for Pokémon based on abilities or other characteristics, such as habitat or region.
2. **Recent searches**: Display a list of recently searched Pokémon for quick access.
3. **Favorites**: Allow users to mark certain Pokémon as favorites and save them using local storage.
4. **Autocomplete suggestions**: Implement an autocomplete feature to provide suggestions as the user types the Pokémon name.
5. **Pagination for search results**: Allow users to browse through a list of Pokémon when searching by type or abilities.
6. **Loading indicator**: Show a loading spinner or message while the data is being fetched from the API.

Github repo :

repo