

# Internship assignment

## Objective:

Develop a simple two-screen web application using React.js that interacts with the PokeAPI to search for Pokémon information. The application will consist of a "Search" screen where users can input search parameters (the name of the pokemon only), and a "Results" screen where the search results will be displayed. Additionally, the application should handle errors gracefully, such as when a search yields no results.

## Requirements:

### Technical Requirements:

1. **React.js:** Use React.js to create the front-end application.
2. **Search Screen:**
  - Create a search form that allows users to input the name of a Pokémon.
  - Include a search button to submit the search request to the PokeAPI.
3. **Results Screen:**
  - Display the search results, including details such as the Pokémon's name, image, type, and abilities.
  - If the Pokémon is not found, display an appropriate error message.
4. **Error Handling:**
  - Implement error handling for the API request.
  - Display a user-friendly message if the search does not return any results or if there is an issue with the API.
5. **API:** Use the PokeAPI (<https://pokeapi.co/>) to fetch Pokémon data based on the user's search input.
6. **Styling:** Apply basic styling (Bootstrap is recommended) to make the application visually appealing and user-friendly.

### Deployment Requirements:

1. **Linux Server:** Deploy the application on a **Linux (PHP) server**, NOT on a Node.js server.
2. **Free Hosting:** Use InfinityFree (<https://infinityfree.net/>) or any other free PHP hosting service to host the application.
3. **Custom Domain:** Obtain a free custom domain (if available from the hosting provider) or use the provided subdomain from the hosting service.

## Submission Guidelines: (\* required)

1. **Code Repository\***: Push your code to a public GitHub repository.
2. **Live Demo\***: Provide a link to the live demo of the application hosted on the server.
3. **Documentation**: Include a README file with instructions on how to run the application locally and any other relevant information.
4. **Deadline**: Submit your completed assignment by [insert deadline here].

## Evaluation Criteria:

- **Functionality**: The application works as described, with both screens functioning correctly.
- **Code Quality**: The code is well-organized, readable, and follows best practices.
- **Error Handling**: The application handles errors effectively and provides clear messages to the user.
- **User Experience**: The application is easy to use and navigate.
- **Deployment**: The application is successfully deployed and accessible online.

## Resources:

- React.js Documentation: <https://reactjs.org/docs/getting-started.html>
- PokeAPI Documentation: <https://pokeapi.co/docs/v2>
- Free PHP Hosting: <https://infinityfree.net/>, <https://profreehost.com/>, <https://in.000webhost.com/>

Good luck with your task, and we look forward to seeing your completed project!

**PS.** For any technical queries: Drop a WhatsApp on [wa.me/919166479980](https://wa.me/919166479980)