

1. Why am I doing this?

This project aims to provide an organized and user-friendly platform for Pokémon enthusiasts to explore Pokémon species by Pokedex number and region. With the increasing number of Pokémon across generations, it's challenging for users to browse through all species in a single list. By filtering Pokémon by region and providing detailed species data in an accessible format, this site makes it easier for users to find information efficiently. Additionally, the ability to save favorites enhances user engagement and personalization.

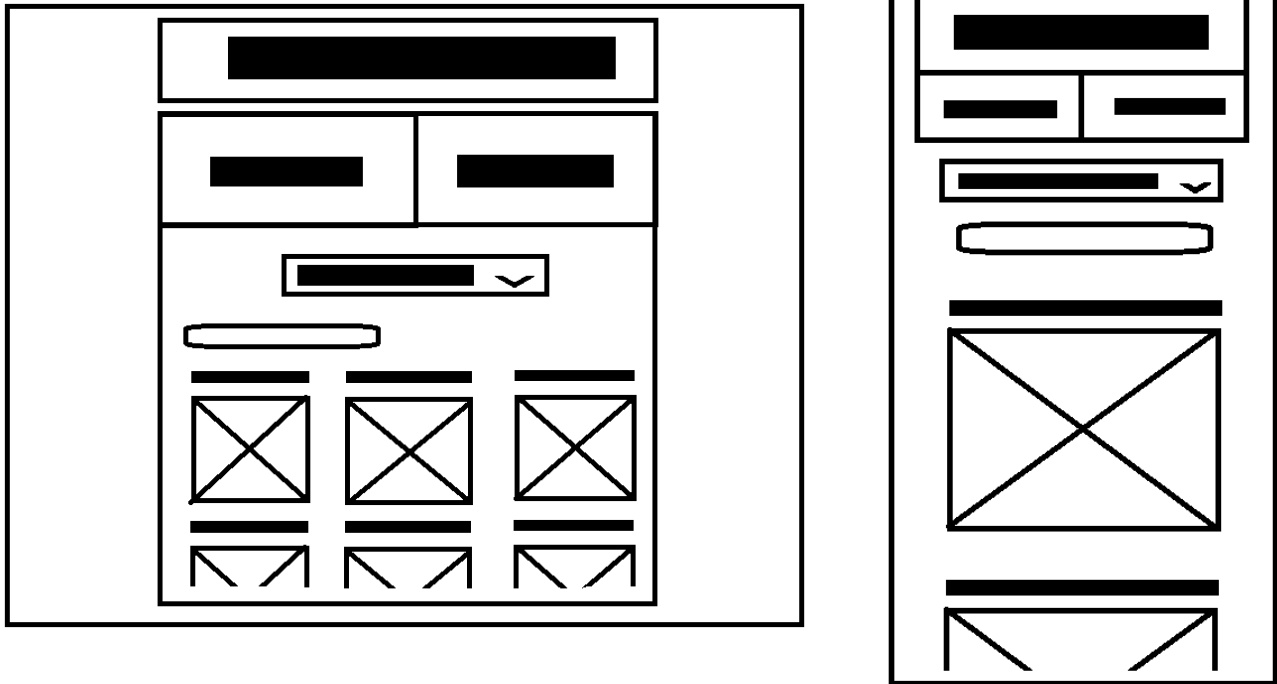
2. Who is the audience?

The primary audience includes new and casual Pokémon players of all ages, particularly those interested in exploring species data, comparing Pokémon across generations, or managing their favorite Pokémon.

3. List of the major functions of the site.

1. **Display Pokémon list by Pokedex number:** Users can view Pokémon species in order by their Pokedex number, including a brief display of each Pokémon's ID, name, and image.
2. **Region-based filtering:** The site allows users to select a specific Pokémon game region (e.g., Kanto, Johto, Galar) to filter the Pokémon displayed, limiting results to species introduced in that region.
3. **Region switching:** Users can easily switch between different regions without reloading the entire site, ensuring smooth navigation across regions.
4. **View detailed Pokémon information:** Clicking on a Pokémon species will open a detailed page that shows its ID, name, image, types, evolution line, regional forms, and other relevant data.
5. **Favorite Pokémon management:** Users can save and manage their favorite Pokémon locally on their device, enabling them to quickly access these Pokémon later.
6. **Evolution line display:** The detailed view will include a graphical display of a Pokémon's evolution line, including pre-evolutions and post-evolutions, if applicable.
7. **Regional forms display:** Where applicable, users will be able to view a Pokémon's alternate regional forms (e.g., Alolan, Galarian forms) in the detailed view.
8. **Responsive design:** The site will be optimized for both desktop and mobile devices to ensure accessibility across various screen sizes.
9. **Smooth performance:** To prevent loading delays with over 1000+ Pokémon, the site will only load data for the selected region, and lazy loading will be implemented to images, ensuring efficient use of resources.
10. **Search functionality:** Users can search for Pokémon by name, making it easier to locate specific Pokémon quickly.

4. Wireframes of the major views



5. External API Data source(s)

The site will utilize data from the **PokeApi API** (<https://pokeapi.co/>), which provides comprehensive Pokémon data, including species, types, evolution lines, and many more.

6. Initial Module list (According to the Criteria, this should be the files list. Subject to change)

1. HTML Files

- **index.html:** The main entry point of the website, displaying the Pokémon list.
- **pokemon-detail.html:** A dedicated page for displaying detailed information about a selected Pokémon.
- **favorites.html:** A dedicated page for displaying all favorites saved by the user.
- **partials/:**
 - **header.html**
 - **footer.html**





2. JavaScript Files

- **main.js**
- **detail.js**
- **favorite.js**
- **utils.js**

3. CSS Files

- **styles.css**

7. Colors/Typography (Subject to change)

- Primary Color: Hex: #F6D02F 
- Secondary Color: Hex: #000000 
- Tertiary Color: Hex: #FF0000 
- Contrast Color: Hex: #D3D3D3 

- Site Name Font: [Yellowtail](#)
- Navigation Bar Font: [Baloo Paaji 2](#)
- Headers Font: [Frank Ruhl Libre](#)
- Body Text Font: [Jost](#) (Regular 400)

Button Styles:

- Rectangular with rounded borders.
- Color changes on hover and click

8. Schedule

Week 1:

- Complete API integration and fetch Pokémon data based on regions.
- Implement region-based filtering and display a basic Pokémon list.
- Begin initial CSS styling for layout and basic components.
- Implement the detailed view for Pokémon, including evolution lines and regional forms.

Week 2:

- Continue CSS development to enhance visual design and responsiveness.
- Develop the favorites management module and integrate local storage.
- Test responsiveness on different devices.

Week 3:

- Implement search functionality and optimize loading performance by region.
- Conduct final testing, bug fixes, and polish the overall design.
- Prepare for deployment.

9. Link to Trello board

<https://trello.com/b/scIufwVi/pokegallery>