

ApexPlus Full Stack Assignment Documentation

Description:

In the assignment you will be creating a below mentioned requirements and it should be only developed on the ReactJS/ReactTS and Node ExpressJS Server.

Instructions:

- The application should have Add pokemon page where user will go add the pokemon which will consist of following inputs from the user pokemonOwnerName, direction, initialpositionx, pokemonName, pokemonAbility initialPositiony, Speed and lastly direction. Add button on the end which will add the pokemon to that particular user name. Each user can have multiple pokemon (Note: for fetching the information about the pokemon get it from pokemon api “https://pokeapi.co/api/v2/pokemon-species/1/”)
- On the Add page pokemonName input field it should list down me the names of the pokemon so that I will only select which pokemon and based on pokemon selected pokemonAbility should be auto filled if it contain only one else if there are multiple then show me list. The pokemon ability you can get it from the pokemon api the url is provided for your reference.

Create Pokemon User

Fig(1) : Illustration of Add page

- There will be a page where i you will be seeing the list that have been added by the user. Which will be showing all the information in the tabular form which contains Edit and Delete as the options.
- Upon clicking on the add pokemon page user will land a new page that add pokemon where user will be pre-selected on which user add button we have clicked then will add pokemon to that user and then when we come back to list of pokemon page it should reflecting the no of pokemon. User can also edit or delete the user and the above button are pretty straight forward with their meanings.

List of Pokemon users

PokemonOwnerName	Pokemon Name	PokemonAbility	No.of pokemon	Add pokemon	Edit	Delete
Keiko	Pikachu	Lightning rod	1	+	useIcon	useIcon

Fig(2) : Illustration of Listing pokemon users page

- There will be one more Add Pokemon page which will be consisting pokemonName, pokemonAbility, noOfPokemon. On landing this page there will be input field which will list me down the pokemonOwners we have added then I will select that user then the pokemon that will be added should reflect on the all pokemon page where you will list the information about the pokemon users.

Add Pokemon

Pre-selected-user-name

PokemonAbility

Number to pokemon

Pokemon Name

Button

Fig(2) : Illustration of Add pokemon page

- Lastly there will be home page where you will give a dropdown on top which list me down the user where i will be selecting the user and then it should list down his pokemons. There will be div container on that you will have to place the pokemon based on the positions user has given . there will be to button pokemon go which will move pokemon on the speed given it will m/s and with the given velocity when it crosses the width are height of the div then it should be not visible.
- Pokemon flee will tell danger and it will make him vanish that will work as toggle switch which will vanish and appear respectively and when the user clicks on pokemon cease button the pokemon should freeze.

Home page


List of Pokemon Owner

Number of pokemon	Ability of Pokemon	Number of Pokemon
xxxxxx	xxxxxxxx	xxxxxxxx

Pokemon Go

Pokemon Flee

Pokemon Cease



- The application will perform all the crud operations and all the crud operations on the frontend side should be responded with the express server accordingly.
- The above shown application will interact with the server for storing data.
- Create your own node server for GET, PUT, POST, DELETE request respectively for storing user information which should be stored in standard data structure like every user will have his own corresponding pokemon, count, abilities etc.
- Store the data on the server side file of any type which will be created by the node sever.
- Whenever you required that data you will read the json via node server and when the frontend will make api request of GET, PUT, POST, DELETE then the server should respond respectively.

NOTE: We want to remind you of the importance of adhering to the rules and maintaining integrity during the assignment.

- **Prohibition of Cheating:** You are not allowed to copy code from any external sources, share code with other candidates, or use any unauthorized tools or resources during this assignment.
- **Monitoring:** The test will evaluation will also check for any plagiarism to ensure fairness and to detect any instances of cheating or misconduct.
- **Consequences of Cheating:** Any detected attempt to cheat, including copying code or sharing answers, will result in immediate disqualification from the test. Furthermore, such actions will lead to a permanent ban on applying for future positions with our company.