

Defining the problem or unanswered question

Since I was younger I have been collecting Pokémon cards and I have not found any good website where I could easily access all the cards that exist in a way that allows me to look up specific names. With the amount of cards continuously amounting, keeping track of all of them has become gradually more difficult. Most of the time, websites focus on one aspect of Pokemon cards, such as either their rarity, value, or name. Additionally, there aren't any good websites where I can bring to life the cards in a battle-like situation. It is true that some places allow you to have online battles and such. Nonetheless, none of these websites are easily accessible or make you pay to join. Finally, I've found it difficult to find a place where one can construct their own decks and add whichever card they want. How can we make a website that allows us to easily access all the Pokemon cards that exist and be able to select certain ones and run little programs such as battles?

Justification for the proposed product

I planned to create my website using an HTML file, a CSS file, and JavaScript file and using JQuery to help simplify the code and add animations. In order to get the data for the Pokemon cards, I used JQuery ajax() command to obtain information from the API, inserting into the request the name of the desired Pokemon name. Next, I used a combination of HTML, CSS, Javascript, and JQuery to display the images and other information on the page. Each time the search function was run, the page would clear its images and replace it with the new results. I then allowed the user to see more information on each card by using the onclick JQuery function which resulted in a sort of pop-up showing them the cards information. Additionally, I allowed the user to save cards to both a "saved cards" area and to their own deck. The user can make their own decks and can add cards as they please. Finally, the user can run a battle function where they select two cards and have them do a fight similar to the gameboy game. In this section the normal Pokemon music was added to the background using HTML and Javascript.

Success criteria

1. Create an aesthetically appealing and easily navigable website
2. Allow for the user to look up whichever Pokemon they desire
3. Enable the user to bring to life the Pokemon cards through a battle-like scenario
4. Have the option to save cards in both a deck and a non-deck area
5. Have a simple layout