Secure Bathtub Design
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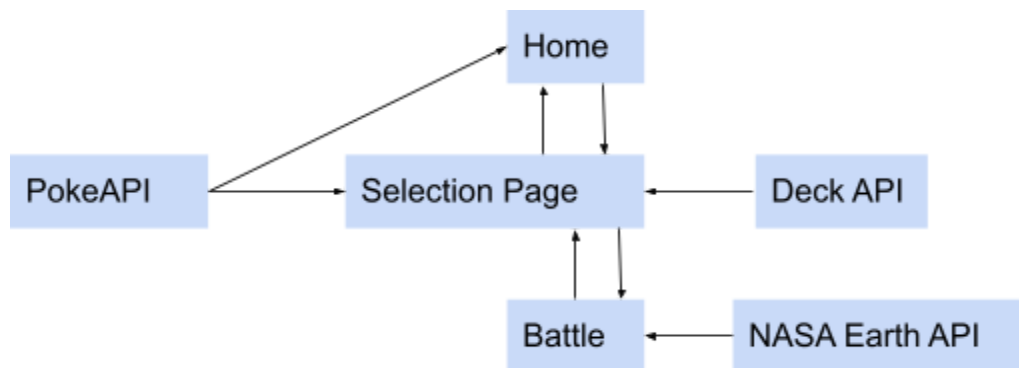
General Design
Website to put two pokemon against one another using DECKAPI, POKEAPI, and the NASA APOD API

Program Components:
1. Choosing Pokemon
   a. Fetch 52 set pokemon from PokeAPI
   b. Initially we will select one Pokemon at random from to battle a randomly selected opponent using DeckAPI.
2. Fighting
   a. Takes pokemon selected and simulated fight against a different pokemon

Site Map:

Important Notes
Front end will be constructed with: BOOTSTRAP
Why? Our frontend will not require overly complicated CSS, and thus the easy-to-use Bootstrap better serves our needs.

Questions
Does DECKAPI have a "hand" tool (i.e. to have multiple pokemon)?

User Steps
1. "pokemon" class with the following inputs and attributes
   a. Inputs

           i.   Name
          ii.   Type
        iii.   Power ranking
    b. Attributes
           i.   Represent as card name for DECKAPI
          ii.   Inputs
        iii.   Image src url

2. 52 pokemon and their power ranking (hardcoding)
    a. 13 Types, 4 Pokemon per type
    b. Decide power ranking on a scale of 1-10 based on how powerful you think the pokemon is
3. Use DECKAPI to shuffle and deal out a random pokemon
4. Pokemon battle, using a random move of theirs chosen from the POKEAPI
    a. Pokemon sprites are selected from the POKEAPI
    b. Pokemon sprites are set on stage selected from NASA APOD API
    c. "Announcer" announces pokemon names, types, and trainer names
    d. Winner is decided POTENTIALLY by ML algorithm
           i.   If not based on power ranking
5. User can play again with new pokemon (use DECKAPI to cast aside old "cards")

Page Contents
☐ Homepage
    ☐ Navbar
        ☐ Home
    ☐ Title
    ☐ FIGHT button
        ☐ To battle page
    ☐ Accordion
        ☐ How to play
        ☐ Pokemon
            ☐ Images with clickable names
                ☐ Link to https://www.pokemon.com/us/pokedex/{{name}}
        ☐ About us
        ☐ About astromon
    ☐ Footer
☐ Selection Page
    ☐ Navbar
        ☐ Home
    ☐ View opponents chosen pokemon

- ☐ View 5 presented pokemon
    - ☐ Select one
- ☐ Battle
    - ☐ Navbar
        - ☐ Home
    - ☐ _____ vs _____ in big letters
    - ☐ Pokemon images on opposite sides (left/right)
        - ☐ Top corner? Bottom corner? Middle?
    - ☐ Declares winner/loser
        - ☐ Explosion gif on one of the pokemon
        - ☐ Text to certify
        - ☐ Next Round Button
            - ☐ Routes back to

Tasks:

Alejandro (Devo):
- Pokemon Class

Aaron (PM):
- API Management and design

Edwin (Devo):
- HTML
    - Integrating Battle, selection page, and homepage

Tina (Devo):
- HTML for homepage + selection