

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**

## **Questions**

Does DECKAPI have a “hand” tool (i.e. to have multiple pokemon)?

## **Steps**

1. Create a “pokemon” class with the following inputs and attributes
  - a. Inputs
    - i. Name
    - ii. Type
    - iii. Power ranking
  - b. Attributes
    - i. “SUIT” for deckapi
    - ii. “Value” for deckapi
    - iii. inputs
2. Hardcode 52 pokemon and their power ranking
  - 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 \_\_\_\_\_
  - 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”)