

PokémonDB

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Project Description

- Pokédex up to Generation 6 of Pokémon
 - Ends on Volcanion
- Includes information on Types, Abilities, and Pokémon
 - Pokédex links all of these together
- Includes all CRUD functions to manipulate the DB
- Goal: Be able to access and manipulate Pokémon data at ease.



Data Generation

Specific Data:

- Names, Dex Numbers, and Types:
<https://gist.github.com/armgilles/194bcff35001e7eb53a2a8b441e8b2c6>
- Abilities List: <https://pokemondb.net/ability>
- List of Pokemon with their Abilities:
https://bulbapedia.bulbagarden.net/wiki/List_of_Pok%C3%A9mon_by_Ability
- Type Strengths/Weaknesses: <https://pokemondb.net/type>

This data was either taken from the pages as is, or was manually entered in if it couldn't be




Functionality

- Create
 - Pokémon, Types, Abilities
- Read
 - Pokémon, Pokédex, Types, Abilities
- Update
 - Pokémon entries, Pokédex entries, Types and Abilities
- Delete
 - Pokémon, Pokédex entries, Types and Abilities



Create Examples

 alexh@DESKTOP-A68RBG3: /mnt/c/Users/alex/Desktop/CPSC 408 (Database Management)/FinalProject/PokemonDB

```
Enter an option: 2
```

```
The following data is creatable:
```

1. New Pokémon
2. New Type
3. New Ability
4. Return to previous menu

```
Enter the option number of the data you wish to create: 2
```

```
Enter a name for the new Type: WOOD
```

```
Enter the type advantages for the new Type (FORMATTING EXAMPLE: BUG, GHOST, DARK): WATER, GHOST, DARK
```

```
Enter the type disadvantages for the new Type (FORMATTING EXAMPLE: BUG, GHOST, DARK): FIRE, GROUND, BUG, ROCK
```

```
The following data is creatable:
```

1. New Pokémon
2. New Type
3. New Ability
4. Return to previous menu

```
Enter the option number of the data you wish to create:
```



Read: Examples

 alexh@DESKTOP-A68RBG3: /mnt/c/Users/alex/Desktop/CPSC 408 (Data

```
The following data is viewable:
```

1. Pokémon
2. Types
3. Abilities
4. Return to previous menu

```
Enter the option number of the data you wish to view: █
```

```
Type:  ROCK
Effective Against:  FIRE, ICE, FLYING, BUG
Weak Against:  FIGHTING, GROUND, STEEL
```

```
Type:  STEEL
Effective Against:  ICE, ROCK, FAIRY
Weak Against:  FIRE, WATER, ELECTRIC, STEEL
```

```
Type:  WATER
Effective Against:  FIRE, GROUND, ROCK
Weak Against:  WATER, GRASS, DRAGON
```

```
The following data is viewable:
```

1. Pokémon
2. Types
3. Abilities
4. Return to previous menu

```
Enter the option number of the data you wish to view: █
```

Update: Examples

The following services are offered:

1. Search for Pokémon-related data
2. Add new Pokémon-related data
3. Update an existing data entry
4. Delete an existing data entry
5. Exit

Enter an option: 3

The following data is updatable:

1. Pokémon
2. Types
3. Abilities
4. Return to previous menu

Enter the option of the data you wish to update: 2

Enter the name of the Type to be updated: wood

Enter a new name for the Type WOOD: plastic

The following data is updatable:

1. Pokémon
2. Types
3. Abilities
4. Return to previous menu

Type: STEEL

Effective Against: ICE, ROCK, FAIRY

Weak Against: FIRE, WATER, ELECTRIC, STEEL

Type: WATER

Effective Against: FIRE, GROUND, ROCK

Weak Against: WATER, GRASS, DRAGON

Type: PLASTIC

Effective Against: WATER, GHOST, DARK

Weak Against: FIRE, GROUND, BUG, ROCK

The following data is viewable:

1. Pokémon
2. Types
3. Abilities
4. Return to previous menu



Delete: Examples

1. Search for Pokémon-related data
2. Add new Pokémon-related data
3. Update an existing data entry
4. Delete an existing data entry
5. Exit

Enter an option: 4

The following data is deletable?

1. Pokémon
2. Types
3. Abilities
4. Return to previous menu

Please select an option: 2

Enter the name of the Type to be deleted: plastic
SUCCESS. Type PLASTIC has been deleted.

Type: ROCK
Effective Against: FIRE, ICE, FLYING, BUG
Weak Against: FIGHTING, GROUND, STEEL

Type: STEEL
Effective Against: ICE, ROCK, FAIRY
Weak Against: FIRE, WATER, ELECTRIC, STEEL

Type: WATER
Effective Against: FIRE, GROUND, ROCK
Weak Against: WATER, GRASS, DRAGON

The following data is viewable:

1. Pokémon
2. Types
3. Abilities
4. Return to previous menu