

# Project 02: The Final One

POKÉTEAMS

TEAM PIGGY MY JIGGY KINDLY

Michael Cheng, Jake Goldman, Kristin Lin, Philip Park

## DESCRIPTION

A site that allows users to select different Pokemon by name and tags (abilities, characteristics) to create teams and displays the team's weaknesses and strengths. These teams can be uploaded to a forum where other users can upvote them. The top 10 teams will be featured on the home page.

## COMPONENTS

### HTML files

See 'Routes' section for details

### CSS Stylesheets

Bootstrap's as well as our own

### app.db

Contains user credentials and favorites, team information, and pokemon info.

### database.py

Handles the database, including team favoriting, login information, and pokemon information. See 'Database Schema' for more details.

### main.py

Flask app, handles front-end navigation and operations. See 'Routes' for more details.

### api.py

Handles API calls and extracting information from Pokéapi.

### editpokemon.js

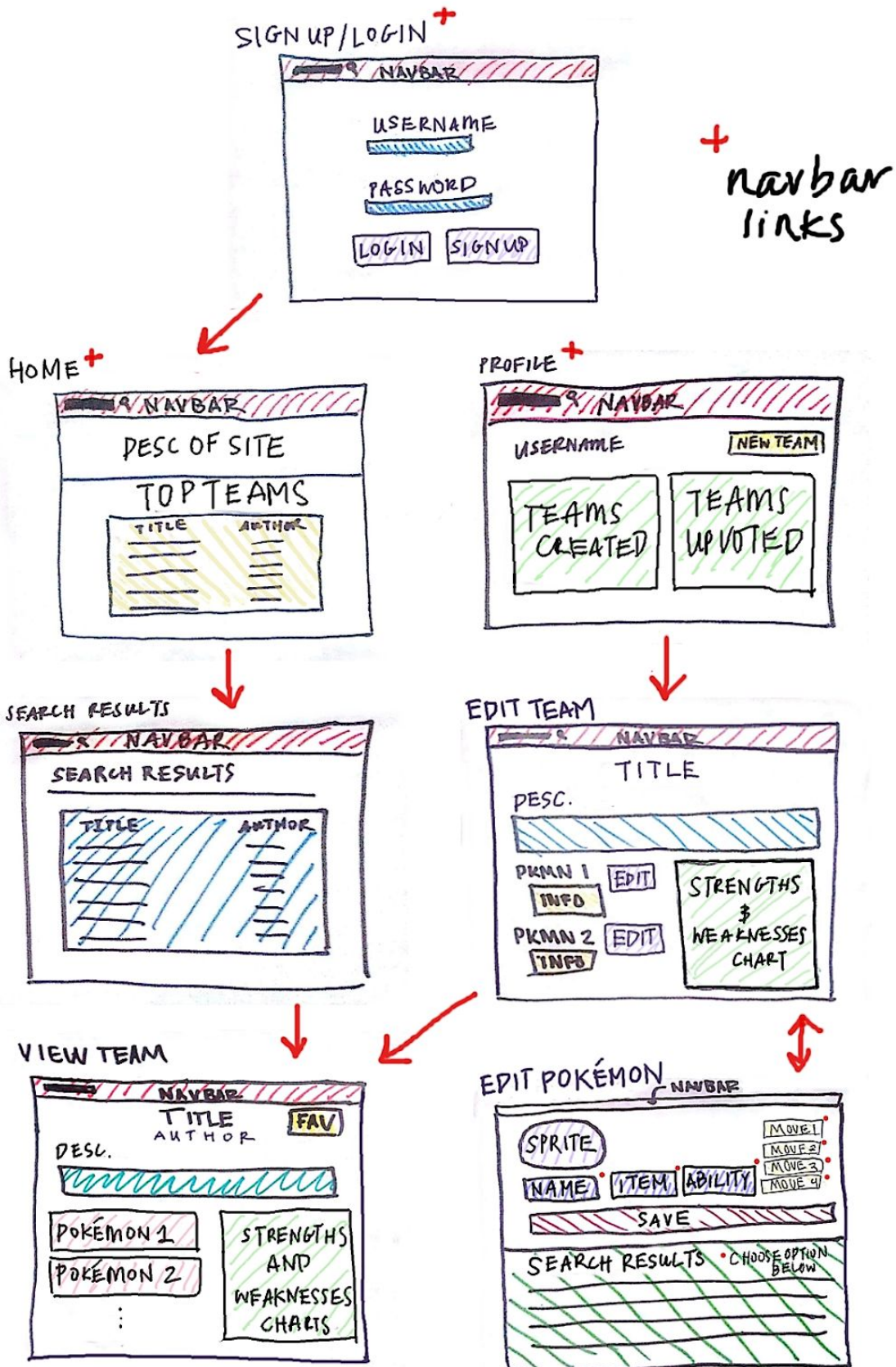
Javascript for /editpokemon. Contains code to make AJAX request when a pokemon is selected, so that the information for that specific pokemon can be selected.

## ROUTES

- **/**  
The front page, which will display a description of the website, along with some basic information you need to know. It will also contain the current top 10 teams (based on upvotes).
- **/login**  
Login page for username and password input. Contains button to go to **/signup**.
- **/signup**  
Page to create an account, with username, password, and confirm password. Contains button to go to **/login**.
- **/profile**  
Page for the profile of a given user. Contains the teams which the user has created and upvoted.
- **/search**  
Contains the search page, either search by team name or author. Results displayed on same page
- **/createteam**  
Page to create a new team.
- **/editteam**  
Page to edit an already existing team.
- **/createpokemon**  
Page to create pokemon to be added onto a team
- **/editpokemon?pkmnid=**  
Page to edit the stats of pokemon to be added onto a team.
- **/viewteam**  
Page to view an existing team, with strengths and weaknesses and info for each pokemon on the team.

## COMPONENT MAP

# SITEMAP



## DATABASE SCHEMA

### users table

The users table will store the user's username, password, and favorites. The favorites column will store a string of comma separated favorited teams, e.g "0, 2, 5, 3".

### teams table

The teams table will store a team's id, author, name, version, pokemon, strengths, and weaknesses.

### pokemon table

The pokemon table will stores a Pokemon's id, teamid, species, gender, level, ability, moves, stats, happiness, shiny

users	teams	pokemon
user *PRIMARY KEY	teamid *PRIMARY KEY	pkmnid *PRIMARY KEY
pass *encrypted	user	species
favorites *string of list	name	gender
	desc	level
	version	ability
	weaknesses *string of list	moves *string of list
	strengths *string of list	item
	upvotes	nature
	pkmnid *string of list	img

## ROLES:

**Michael (Project Manager):** API Handling/Integration, javascript

**Jake:** Front end

**Kristin:** Flask app/API Handling

**Philip:** Databases