API Contract for Pet Adoption App

GET /pets

- Description: Return the list of all pet data.
- Input: None
- Output:
    - Success: 200 OK
        - Returns list of all pets in json format

GET /pets/<int:pet_id>

- Description: Returns the data of one pet based on the pet_id
- Input:
    - pet_id (integer): In the query, the pet_id will be specified
        - Example: /pets/1
- Output:
    - Success: 200 OK
        - Returns information about the pet specific to the given pet_id.
    - Error: 404 Not Found
        - When there is no pet with the given pet_id, the error: "Pet not found" is returned.

POST /login

- Description: Log in a user by verifying their username and password.
- Input:
    - username (string): The username of the user attempting to log in.
    - password (string): The password associated with the username.
- Output:
    - Success: 200 OK
        - Returns a JSON object with the username of the logged-in user.
    - Error: 401 Unauthorized
        - Returns a JSON object with an error message: {"error": "Invalid username or password"}.

2. POST /register

- Description: Register a new user with a unique username and password.
- Input:
    - username (string): The new username to register.

- - `password` (string): The password for the new user.
- Output:
  - Success: `201 Created`
    - Returns a JSON object with a success message: `{"message": "User registered successfully"}`.
  - Error: `400 Bad Request`
    - Returns a JSON object with an error message if the username is already taken: `{"error": "Username already exists"}`.

Management

1. GET   /applications
   a. Input: none
   b. Output: all the applications including user's information and pet information(json)
2. GET   /applications/<int:app_id>
   a. Input: app_id(int)
   b. Output: the information associated with application id (json)
3. POST   /manage_login
   a. Input:
      Manager_email(string)
      Manager_password(string)
   b. Output:
      Message: login successful(json)
      Message: invalid credentials(json)