

React Practical Exam (FSD 13): Cat Breed Explorer

Objective:

Build a React app using The Cat API to explore images of different cat breeds.

Also, you need to display breed description below images.

Requirements:

1. Functional:

- Display a dropdown list of cat breeds.
- When a breed is selected, show images related to that breed (use the API).
- Use useContext to manage global state.
- Use useEffect and useState for API calls and local state.

2. Technical:

- Use createContext and useContext for sharing breed and image state.
- Split the app into at least two components:
 - BreedDropdown (for selecting a breed)
 - CatImages (for showing breed images)
- Ensure the app is responsive and uses basic CSS or Tailwind or any css library like bulma, bootstrap

3. API Endpoints:

- Get Breeds: <https://api.thecatapi.com/v1/breeds>
- Get Images by Breed:
https://api.thecatapi.com/v1/images/search?breed_ids=BREED_ID&limit=6

Bonus (Optional):

- Add a loading message while images are being fetched.
- Add error handling if API fails.

Submission:

- Submit a zipped project folder without node_modules
- Code must be clean and well-commented
- Ensure the app runs using `npm install` and `npm start`

Grading Criteria:

- Correct use of React hooks
- Proper Context usage
- Clear component structure
- Working functionality with API