ZooKeeper Portal – Step-by-Step Fix and Test Guide

Folder Structure (after extracting the ZIP)

```
zookeeper-assignment/
|-- frontend/
|   |-- components/
|   |   |-- AnimCard.jsx
|   |   |-- AnimForm.jsx
|   |   |-- AnimList.jsx
|   |-- src/
|   |   '-- services/api.js
|   '-- package.json
'-- backend/
    |-- routes/
    |   '-- petRoutes.js
    '-- package.json
```

1 Extract the ZIP

Unzip the provided ZooKeeper Portal assignment folder to your local system.

You will see both frontend/ and backend/ folders.

2 Copy Existing node_modules

Instead of running npm install, copy the existing node_modules folder that is already available on your system into both:

- frontend/
- backend/

Copying the frontend node_modules folder may take more time — this is expected.

3 Run the Applications

Run Backend:

    npm start

This starts the backend server (Express) on port 5000.

Run Frontend:

    npm start

This launches the React app on port 3000.

 Work on Backend Folder

Step 4 – Fix the GET Route

Open backend/routes/petRoutes.js and complete the router.get("/", ...) section.

Hints:

- Fetch all animals using an appropriate method such as find().

- Return the result as a JSON response using res.json(...).

Then:

- Restart the server with npm start.

- Visit http://localhost:5000 → you should see one JSON object.

- Visit http://localhost:3000 → you should see one card displayed for "Dusty."

Step 5 – Fix the POST Route

In the same file, locate router.post("/", ...) and complete the missing parts.

Hints:

- Create a new animal from the request body.

- Save it.

- Send the saved object back as a JSON response.

Restart the backend again (npm start) once done.

 Work on Frontend Folder

Step 6 – Update the Title

Open frontend/components/AnimList.jsx and ensure the heading text displays:

Zoo Keeper Portal.

This title should appear clearly at the top of the page.

Step 7 – Fix the Add Functionality

Open frontend/components/AnimForm.jsx and complete the handleSubmit method.

Hints:

- Identify where the form data should be sent to the backend.

- Use the correct API function that adds a new animal.

- Refresh or reload the list after adding.

Then:

- Enter details in the form fields.

- Click Submit → you should see a new card added below the form.

Step 8 – Fix the Cancel Functionality

In the same file, locate the resetForm() function.

Hints:

- Reset all form fields back to their default empty values.

- Keep "status" as "calm" by default.

- Use the appropriate React state function to update the form.

To test:

- Click Edit on a card (for example, "Dusty").

- Change some field values and click Cancel.

- The form inputs should clear if implemented correctly.

Final Verification Checklist

- Backend GET route shows one JSON object at http://localhost:5000.

- Frontend shows Dusty card on initial load.

- Title displays Zoo Keeper Portal correctly.

- POST route works and adds new animal cards.

- Cancel button properly resets the form.

- No console errors in either frontend or backend.