

# React Image Gallery Mini Project

## Task Requirements:

1. **Setup:**
  - Create a new React application using `create-react-app` or any preferred React boilerplate.
2. **Gallery Component:**
  - Implement a gallery component that fetches the first 20 images from the provided API.
  - Each image should be displayed with a thumbnail and relevant details.
3. **User Interaction:**
  - Add functionality to handle user interactions.
  - Clicking on any thumbnail in the gallery should redirect the user to a new page showing the single image in a larger view.
4. **Single Image Page:**
  - On the single image page, display the enlarged image along with its title and description.
5. **Navigation:**
  - Use `React Router Dom` to handle navigation between the gallery and single image view.
6. **Error Handling:**
  - Ensure error handling for cases where the server request fails or returns no images.

## Submission:

- Submit the link to your GitHub repository containing your project.

## Reference:

- You can refer to this [GitHub repository](#) for guidance.

## Get a List of Photos

In order to obtain a list of photos, you can send a GET request to the following API endpoint:

<https://api.slingacademy.com/v1/sample-data/photos>

There are 2 optional parameters that can be used for pagination:

- offset: Determines whether to start returning data. The default value is 0
- limit: This limits the number of results (for better performance and speed). The default value is 10

For example, you can send a GET request to the following API endpoint to get 20 photos (starting from the 6th):

<https://api.slingacademy.com/v1/sample-data/photos?offset=5&limit=20>

The response is in JSON format.

## Data Structure

Each photo record comes with the fields below:

- id: The id of the photo
- url: The URL of the photo
- title: The title of the photo (just some meaningless text)
- description: The description of the photo (a long meaningless sentence)
- user: The id of the user who owns the photo

## Get a Single Photo by ID

There's one more thing I almost forgot to say. You can get a single photo by id with the API endpoint below:

[https://api.slingacademy.com/v1/sample-data/photos/\[photo id\]](https://api.slingacademy.com/v1/sample-data/photos/[photo id])

For example:

```
// JavaScript
const fetchData = async (url) => {
  const response = await fetch(url)
  const data = await response.json()
  console.log(data);
}

const URL = 'https://api.slingacademy.com/v1/sample-data/photos/1'
fetchData(URL)
```

The output would be:

```
{
  "success": true,
  "message": "Photo fetched successfully",
  "photo": {
    "title": "Defense the travel audience hand",
    "user": 28,
    "id": 1,
    "description": "Leader structure safe or black late wife newspaper her pick central forget single likely.",
    "url": "https://api.slingacademy.com/public/sample-photos/1.jpeg"
  }
}
```

For more details visit the Api documentation link:

<https://www.slingacademy.com/article/sample-photos-free-fake-rest-api-for-practice/>