Web Development Projects

Connecting
Business
To
Technology

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Basic_2 Projects List

Filtering Array of Object

Filtering an array of objects typically involves creating a user interface that allows users to input criteria.

Brief

When designing a filtering system for an array of objects, you want to create a user interface that allows users to specify criteria and view the filtered results.

Level 1

- Design input controls such as text inputs, to allow users to specify filter criteria.
- For example, if you have an array of objects with a "name" property, provide a text input for users to type a name they want to filter.

Level 2

- Display the original array of objects along with right side,it will show the array of object list.
- Capture user input from the input controls. You can use state management to store the filter criteria.

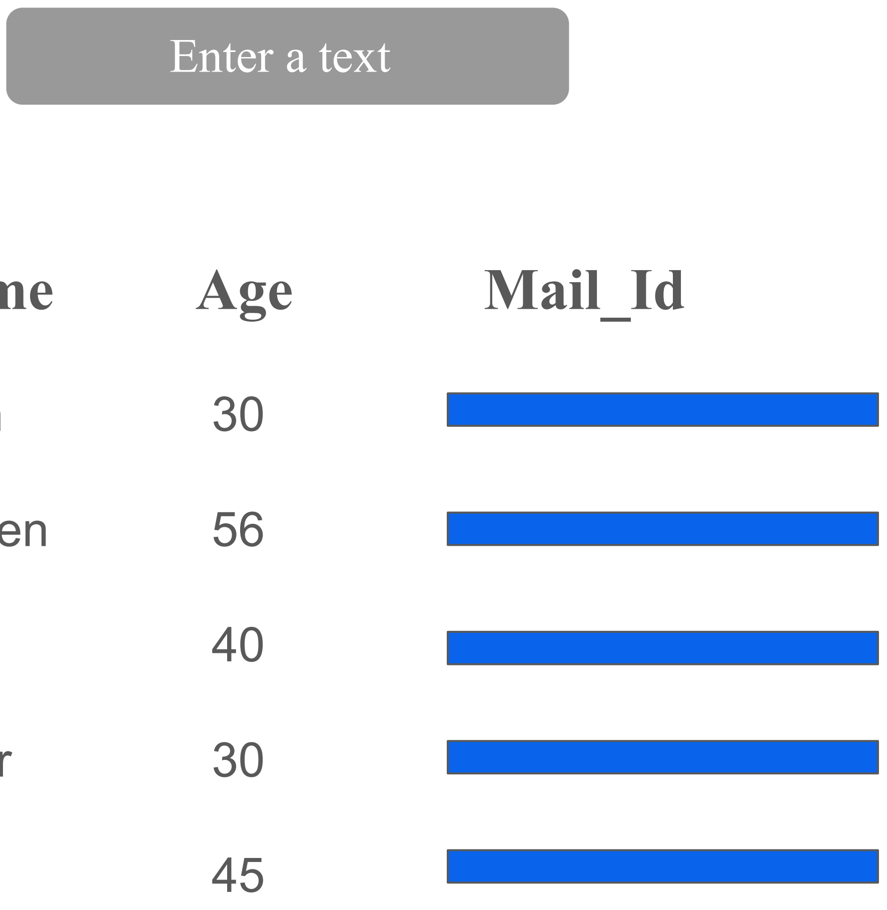
Level 3

- Dynamically render the results based on the filtering criteria. Use React (or the framework you are using) to update the UI in real-time as users input their filter criteria.
- Consider error handling for cases where the entered criteria don't match any items in the array.

To Do

- ✓ Create a input field
- ✓ Create a ui design
- ✓ Search a name and filter will be show in display.

Layout Design



Enter a text

Name	Age	Mail_Id
Akash	30	
Praveen	56	
Ajith	40	
Kumar	30	
Gokul	45	

Filter the array of object and display the filtered list.

Loading Screen

Creating a loading screen in a React application involves displaying a visual indication.

Brief

Creating a loading screen in a React application involves displaying a visual indication to users that some operation is in progress, such as data fetching or processing.

To Do

- ✓ Create a Loading Screen
- ✓ Make a functionality
- ✓ Create a homepage

Level 1

- Set up your React application with the necessary dependencies and create the components for the loading screen and the home page.
- Create a Loading Screen component that will serve as the initial screen displayed to the user.

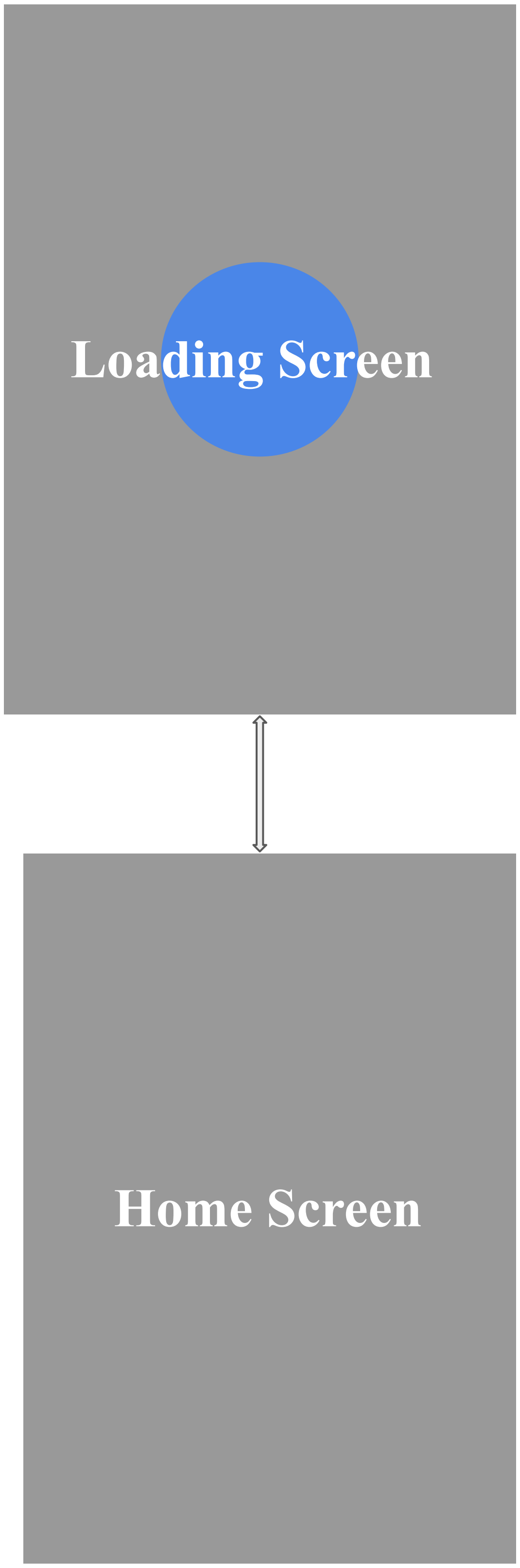
Level 2

- Inside the Loading Screen component, use the setTimeout function to simulate a delay. For example, you can set a timeout of 3 seconds before transitioning to the home page

Level 3

- Optionally, you can provide a visual indication on the loading screen, such as a loading spinner or a message, to inform the user that the application is initializing.
- Apply styles to the Loading Screen component to make it visually appealing and consistent with the design of your application.

Layout Design



Conditional Rendering

Conditional rendering in React is a fundamental concept that involves selectively rendering components or content based on certain conditions.

Brief

Conditional rendering often relies on the component's state or props. These are values that can change over time and determine the conditions under which certain elements are rendered.

Level 1

- Conditional rendering is often associated with events or user interactions. For instance, you might conditionally render a button that triggers a specific action only when a certain condition is met.

Level 2

- When rendering lists, you can use conditional rendering to filter or modify the content based on specific criteria. This is often done using array methods like `map` along with conditional statements.

Level 3

- In applications with multiple pages or views, conditional rendering is used to show different components based on the route or navigation state.
- Conditional rendering allows your UI to dynamically adapt to changing conditions, creating a more interactive and responsive user experience.

To Do

- [x] Create a ui design
- [x] Make a functionality

Layout Design

No layout for this one!

Do Functionality

Paragraph Adjustment

Implementing a "Paragraph Adjustment" feature in a React application involves providing users.

Brief

Implementing a "Read More" or "Read Less" functionality in a React application typically involves dynamically adjusting the display of content based on user interaction.

To Do

- ✓ Create a Long paragraph
- ✓ Add Button
- ✓ Make functionality

Level 1

- Begin by rendering an initial portion of the content, perhaps the first 10 lines, to provide users with a preview of the information.
- Utilize React state to keep track of whether the user has clicked "Read More" or "Read Less."

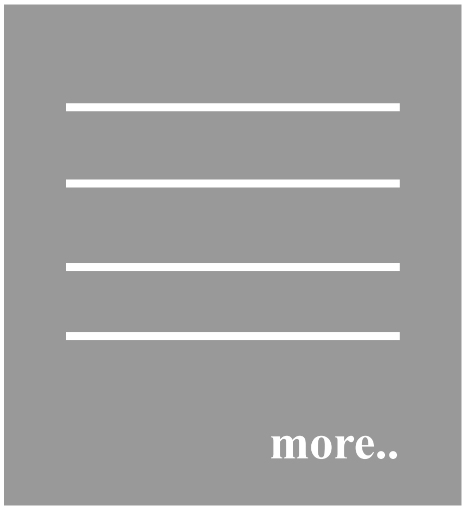
Level 2

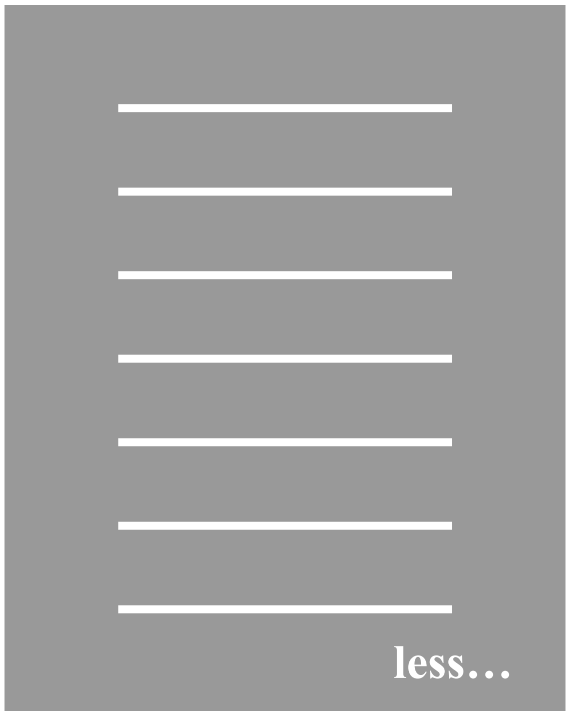
- If you want more flexibility, you can make the number of displayed lines configurable.
- For instance, provide appropriate ARIA attributes and labels for screen readers to convey the state of the content to users with disabilities.

Level 3

- Thoroughly test your implementation to ensure that the "Read More" and "Read Less" functionality behaves as expected, displaying the appropriate content based on user interaction.
- You can create a user-friendly way to show and hide content dynamically in response to user actions.

Layout Design





Snapshot

Creating a snapshot gallery project involves designing a user interface where users can search for photos using keywords.

Brief

Design a clean and intuitive user interface that includes a search bar for entering keywords and a dropdown or buttons for selecting predefined categories.

Level 1

- Implement a search functionality that enables users to enter keywords related to the photos they are looking for.
- These categories can be themes, locations, or any other relevant grouping.

Level 2

- Create a section to display the photos based on the user's search and category selection. This section should dynamically update as the user interacts with the search bar or changes the category.

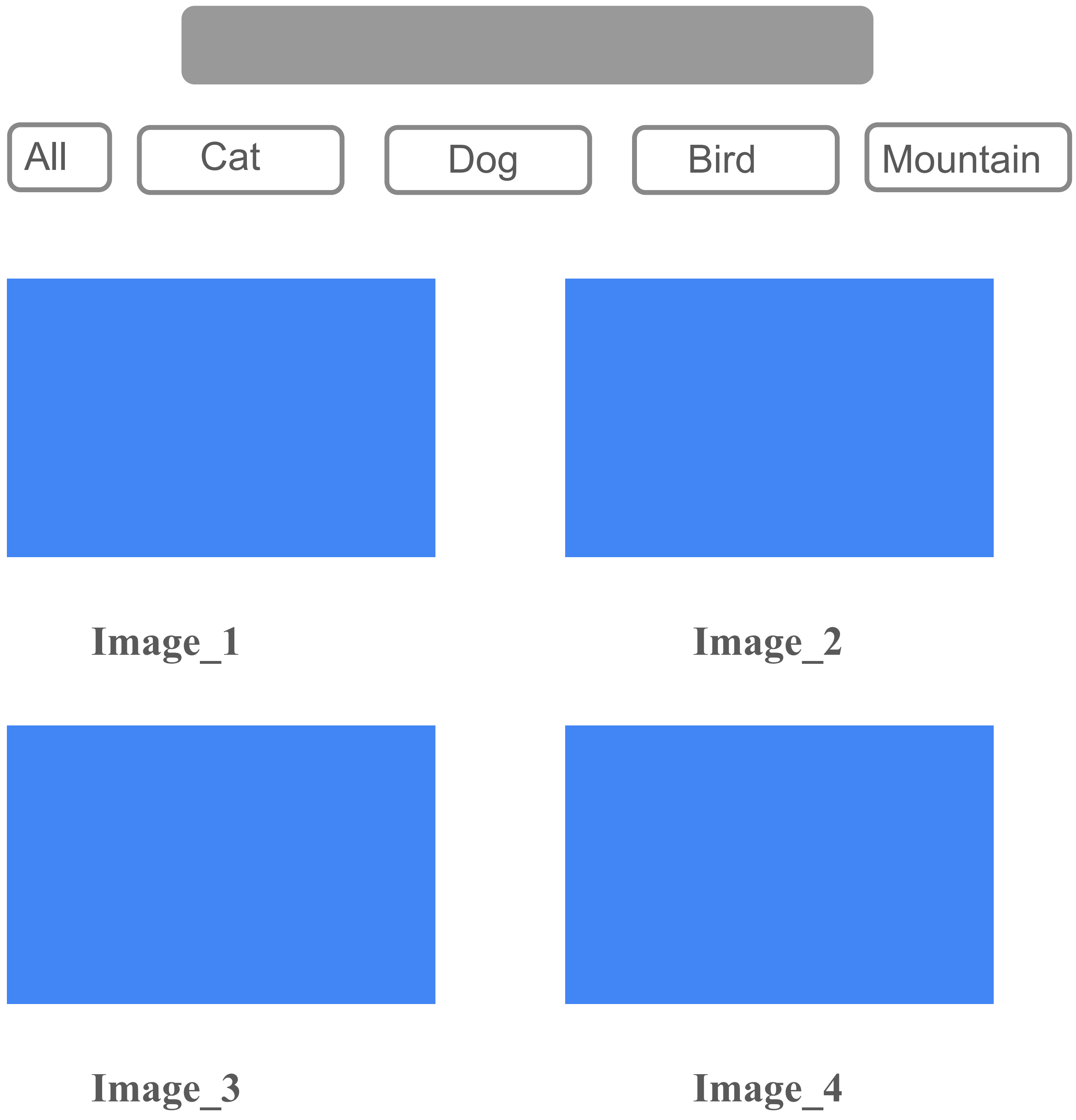
Level 3

- Depending on the number of images, consider implementing pagination or lazy loading to enhance performance and prevent the user interface from becoming overwhelmed with a large number of images.

To Do

- ✓ Create a images
- ✓ Add input field
- ✓ Add options
- ✓ Add searchbar

Layout Design


All
Cat
Dog
Bird
Mountain
Image_1
Image_2
Image_3
Image_4