

APP.JS

```
import BtnEvent from "./BtnEvent.js";
import Gallery from "./stateUses";
import TaskApp from "./Tasks";
export default function App(){
  return(
    <>
    <BtnEvent/>
    <hr/>
    <Gallery/>
    <hr/>
    <TaskApp/>
    <hr/>
    </>
  );
}
```

BtnEvents.js

```
export default function BtnEvent() {
  return (
    <Toolbar
      onPlayMovie={() => alert('Playing Movie!')}
      onUploadImage={() => alert('Uploading Image!')}
      showmessage={()=> alert('Showing Message')}
    />
  );
}
function Toolbar({ onPlayMovie, onUploadImage, showmessage }) {
  return (
    <div>
      <Button onClick={onPlayMovie}>
        Play Movie
      </Button>
      <Button onClick={onUploadImage}>
        Upload Image
      </Button>
      <Button onClick={showmessage}>
        Show Message
      </Button>
    </div>
  );
}
function Button({ onClick, children }) {
  return (
```

```

    <button onClick={onClick}>
      {children}
    </button>
  );
}

```

stateUses.js

```

import { useState } from 'react';
import { sculptureList } from './data.js';
export default function Gallery() {
  const [index, setIndex] = useState(0);
  const [showMore, setShowMore] = useState(false);
  function handleNextClick() {
    setIndex(index + 1);
  }
  function handleMoreClick() {
    setShowMore(!showMore);
  }
  let sculpture = sculptureList[index];
  return (
    <>
      <button onClick={handleNextClick}>
        Next
      </button>
      <h2>
        <i>{sculpture.name}</i>
        by {sculpture.artist}
      </h2>
      <h3>
        ({index + 1} of {sculptureList.length})
      </h3>
      <button onClick={handleMoreClick}>
        {showMore ? 'Hide' : 'Show'} details
      </button>
      {showMore && <p>{sculpture.description}</p>}
      <img
        src={sculpture.url}
        alt={sculpture.alt}
      />
    </>
  );
}

```

AddTask.js

```
import { useState } from 'react';
export default function AddTask({ onAddTask }) {
  const [text, setText] = useState('');
  return (
    <>
      <input
        placeholder="Add task"
        value={text}
        onChange={e => setText(e.target.value)}
      />
      <button onClick={() => {
        setText('');
        onAddTask(text);
      }}>Add</button>
    </>
  )
}
```

TaskList.js

```
import { useState } from 'react';
export default function TaskList({
  tasks,
  onChangeTask,
  onDeleteTask
}) {
  return (
    <ul>
      {tasks.map(task => (
        <li key={task.id}>
          <Task
            task={task}
            onChange={onChangeTask}
            onDelete={onDeleteTask}
          />
        </li>
      ))}
    </ul>
  );
}

function Task({ task, onChange, onDelete }) {
  const [isEditing, setIsEditing] = useState(false);
  let taskContent;
  if (isEditing) {
    taskContent = (
```

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<>
  <input
    value={task.text}
    onChange={e => {
      onChange({
        ...task,
        text: e.target.value
      });
    }} />
  <button onClick={() => setIsEditing(false)}>
    Save
  </button>
</>
);
} else {
  taskContent = (
    <>
      {task.text}
      <button onClick={() => setIsEditing(true)}>
        Edit
      </button>
    </>
  );
}
return (
  <label>
    <input
      type="checkbox"
      checked={task.done}
      onChange={e => {
        onChange({
          ...task,
          done: e.target.checked
        });
      }}
    />
    {taskContent}
    <button onClick={() => onDelete(task.id)}>
      Delete
    </button>
  </label>
);
}

```

Tasks.js

```
import { useReducer } from 'react';
import AddTask from './AddTasks.js';
import TaskList from './TaskList.js';
//import { useContext } from 'react';
export default function TaskApp() {
  const [tasks, dispatch] = useReducer(
    tasksReducer,
    initialTasks
  );
  function handleAddTask(text) {
    dispatch({
      type: 'added',
      id: nextId++,
      text: text,
    });
  }
  function handleChangeTask(task) {
    dispatch({
      type: 'changed',
      task: task
    });
  }
  function handleDeleteTask(taskId) {
    dispatch({
      type: 'deleted',
      id: taskId
    });
  }
  return (
    <>
    <h1>TASK LIST</h1>
    <AddTask
      onAddTask={handleAddTask}
    />
    <TaskList
      tasks={tasks}
      onChangeTask={handleChangeTask}
      onDeleteTask={handleDeleteTask}
    />
    </>
  );
}
function tasksReducer(tasks, action) {
  switch (action.type) {
    case 'added': {
      return [...tasks, {
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      id: action.id,
      text: action.text,
      done: false
    }]);
  }
  case 'changed': {
    return tasks.map(t => {
      if (t.id === action.task.id) {
        return action.task;
      } else {
        return t;
      }
    });
  }
  case 'deleted': {
    return tasks.filter(t => t.id !== action.id);
  }
  default: {
    throw Error('Unknown action: ' + action.type);
  }
}
}
let nextId = 3;
const initialTasks = [
  { id: 0, text: 'Visit Annamaiha Museum', done: true },
  { id: 1, text: 'Watch a puppet show', done: false },
  { id: 2, text: 'Create a web application', done: false }
];

```

Data.js

```

export const sculptureList = [{
  name: 'Homenaje a la Neurocirugía',
  artist: 'Marta Colvin Andrade',
  description: 'Although Colvin is predominantly known for abstract themes that allude to pre-Hispanic symbols, this gigantic sculpture, an homage to neurosurgery, is one of her most recognizable public art pieces.',
  url: 'https://i.imgur.com/Mx7dA2Y.jpg',
  alt: 'A bronze statue of two crossed hands delicately holding a human brain in their fingertips.'
}, {
  name: 'Floralis Genérica',
  artist: 'Eduardo Catalano',

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description: 'This enormous (75 ft. or 23m) silver flower is located in
Buenos Aires. It is designed to move, closing its petals in the evening or
when strong winds blow and opening them in the morning.',
url: 'https://i.imgur.com/ZF6s192m.jpg',
alt: 'A gigantic metallic flower sculpture with reflective mirror-like
petals and strong stamens.'
}, {
  name: 'Eternal Presence',
  artist: 'John Woodrow Wilson',
  description: 'Wilson was known for his preoccupation with equality, social
justice, as well as the essential and spiritual qualities of humankind. This
massive (7ft. or 2,13m) bronze represents what he described as "a symbolic
Black presence infused with a sense of universal humanity."',
url: 'https://i.imgur.com/aTtVpES.jpg',
alt: 'The sculpture depicting a human head seems ever-present and solemn. It
radiates calm and serenity.'
}, {
  name: 'Moai',
  artist: 'Unknown Artist',
  description: 'Located on the Easter Island, there are 1,000 moai, or extant
monumental statues, created by the early Rapa Nui people, which some believe
represented deified ancestors.',
url: 'https://i.imgur.com/RCwLEoQm.jpg',
alt: 'Three monumental stone busts with the heads that are
disproportionately large with somber faces.'
}, {
  name: 'Blue Nana',
  artist: 'Niki de Saint Phalle',
  description: 'The Nanas are triumphant creatures, symbols of femininity and
maternity. Initially, Saint Phalle used fabric and found objects for the
Nanas, and later on introduced polyester to achieve a more vibrant effect.',
url: 'https://i.imgur.com/Sd1AgUOm.jpg',
alt: 'A large mosaic sculpture of a whimsical dancing female figure in a
colorful costume emanating joy.'
}, {
  name: 'Ultimate Form',
  artist: 'Barbara Hepworth',
  description: 'This abstract bronze sculpture is a part of The Family of Man
series located at Yorkshire Sculpture Park. Hepworth chose not to create
literal representations of the world but developed abstract forms inspired by
people and landscapes.',
url: 'https://i.imgur.com/2heNQDcm.jpg',
alt: 'A tall sculpture made of three elements stacked on each other
reminding of a human figure.'
}, {
  name: 'Cavaliere',
  artist: 'Lamidi Olonade Fakeye',
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    description: "Descended from four generations of woodcarvers, Fakeye's work
    blended traditional and contemporary Yoruba themes.",
    url: 'https://i.imgur.com/wIdGuZwm.png',
    alt: 'An intricate wood sculpture of a warrior with a focused face on a
    horse adorned with patterns.'
  }, {
    name: 'Big Bellies',
    artist: 'Alina Szapocznikow',
    description: "Szapocznikow is known for her sculptures of the fragmented
    body as a metaphor for the fragility and impermanence of youth and beauty.
    This sculpture depicts two very realistic large bellies stacked on top of each
    other, each around five feet (1,5m) tall.",
    url: 'https://i.imgur.com/AlHTAdDm.jpg',
    alt: 'The sculpture reminds a cascade of folds, quite different from bellies
    in classical sculptures.'
  }, {
    name: 'Terracotta Army',
    artist: 'Unknown Artist',
    description: 'The Terracotta Army is a collection of terracotta sculptures
    depicting the armies of Qin Shi Huang, the first Emperor of China. The army
    consisted of more than 8,000 soldiers, 130 chariots with 520 horses, and 150
    cavalry horses.',
    url: 'https://i.imgur.com/HMFmH6m.jpg',
    alt: '12 terracotta sculptures of solemn warriors, each with a unique facial
    expression and armor.'
  }, {
    name: 'Lunar Landscape',
    artist: 'Louise Nevelson',
    description: 'Nevelson was known for scavenging objects from New York City
    debris, which she would later assemble into monumental constructions. In this
    one, she used disparate parts like a bedpost, juggling pin, and seat fragment,
    nailing and gluing them into boxes that reflect the influence of Cubism's
    geometric abstraction of space and form.',
    url: 'https://i.imgur.com/rN7hY6om.jpg',
    alt: 'A black matte sculpture where the individual elements are initially
    indistinguishable.'
  }, {
    name: 'Aureole',
    artist: 'Ranjani Shettar',
    description: 'Shettar merges the traditional and the modern, the natural and
    the industrial. Her art focuses on the relationship between man and nature.
    Her work was described as compelling both abstractly and figuratively, gravity
    defying, and a "fine synthesis of unlikely materials."',
    url: 'https://i.imgur.com/okTpbHhm.jpg',
    alt: 'A pale wire-like sculpture mounted on concrete wall and descending on
    the floor. It appears light.'
  }, {
    name: 'Hippos',
```



```
    artist: 'Taipei Zoo',  
    description: 'The Taipei Zoo commissioned a Hippo Square featuring submerged  
hippos at play.',  
    url: 'https://i.imgur.com/6o5Vuyu.jpg',  
    alt: 'A group of bronze hippo sculptures emerging from the sett sidewalk as  
if they were swimming.'  
  }];
```