

EXPERIMENT-14

Aim: Create a simple React TODO app with basic functionality (add, delete tasks) and deploy it to GitHub.

Description (Steps):

1. Setup the React App:

- Create a new React app using Create React App:

```
npx create-react-app todo-app  
  
cd todo-app
```

2. Install Bootstrap:

- Install Bootstrap for styling:

```
npm install bootstrap
```

- Import Bootstrap in src/index.js:

```
import 'bootstrap/dist/css/bootstrap.min.css';
```

todo-app/src/App.js:

```
import React, { useState } from 'react';  
  
const App = () => {  
  const [task, setTask] = useState('');  
  const [tasks, setTasks] = useState([]);  
  
  const addTask = () => {  
    if (task) setTasks([...tasks, task]);  
    setTask('');  
  };  
  
  const deleteTask = (index) => {  
    setTasks(tasks.filter((_, i) => i !== index));  
  };  
  
  return (  
    <div className="container py-4">  
      <h1 className="text-center mb-4">TODO App</h1>  
      <div className="d-flex mb-3">
```

```

    <input
      type="text"
      className="form-control mr-2"
      value={task}
      onChange={(e) => setTask(e.target.value)}
      placeholder="Enter a new task"
    />
    <button className="btn btn-primary" onClick={addTask}>Add</button>
  </div>
  <ul className="list-group">
    {tasks.map((task, index) => (
      <li key={index} className="list-group-item d-flex justify-content-
between align-items-center">
        {task}
        <button className="btn btn-danger btn-sm" onClick={() =>
deleteTask(index)}>Delete</button>
      </li>
    ))}
  </ul>
</div>
);
};

export default App;

```

OUTPUT:



TODO App

Clean the house	Add
Buy groceries	Delete
Complete React tutorial	Delete
Do laundry	Delete
Prepare dinner	Delete
Submit assignment	Delete
Attend team meeting	Delete