

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Todo App</title>
```

```
</head>
```

```
<body>
```

```
  <h1>Create a Todo App</h1>
```

```
  <p>1. Add and complete a task on a single page.</p>
```

```
  <p>2. Use the React Framework.</p>
```

```
  <pre>
```

```
    {`import React, { useState } from 'react';
```

```
function TodoApp() {
```

```
  const [tasks, setTasks] = useState([]);
```

```
  const [task, setTask] = useState("");
```

```
  const addTask = () => {
```

```
    if (task.trim()) {
```

```
      setTasks([...tasks, { text: task, completed: false }]);
```

```
      setTask("");
```

```
    }
```

```
  };
```

```
  const toggleTask = (index) => {
```

```
    const newTasks = [...tasks];
```

```

newTasks[index].completed = !newTasks[index].completed;

setTasks(newTasks);

};

return (

  <div>

    <h1>Todo App</h1>

    <input

      type="text"

      value={task}

      onChange={(e) => setTask(e.target.value)}

      placeholder="Enter a task"

    />

    <button onClick={addTask}>Add Task</button>

    <ul>

      {tasks.map((task, index) => (

        <li key={index}>

          <span

            style={{ textDecoration: task.completed ? 'line-through' : 'none' }}

            onClick={() => toggleTask(index)}

          >

            {task.text}

          </span>

        </li>

      ))}

    </ul>

```

```
</div>
```

```
);
```

```
}
```

```
export default TodoApp;`}
```

```
</pre>
```

```
</body>
```

```
</html>
```