**WEEK 07**

**Hands-on in this document**

**Project: Task Tracker App**

**Folder Structure**

react-hol-task-tracker/

├── public/

│ └── index.html

├── src/

│ ├── App.js

│ ├── Task.js

│ ├── TaskList.js

│ ├── index.js

│ └── styles.css

├── package.json

**Step 1: Set Up Project**

npx create-react-app react-hol-task-tracker

cd react-hol-task-tracker

npm start

**src/App.js**

import React, { useState } from "react";

import TaskList from "./TaskList";

import "./styles.css";

function App() {

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

const [input, setInput] = useState("");

const addTask = () => {

if (input.trim() === "") return;

setTasks([...tasks, { text: input, done: false }]);

setInput("");

};

const toggleDone = (index) => {

const newTasks = [...tasks];

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

setTasks(newTasks);

};

const deleteTask = (index) => {

const newTasks = tasks.filter((\_, i) => i !== index);

setTasks(newTasks);

};

return (

<div className="app">

<h1>ReactJS HOL - Task Tracker</h1>

<input

value={input}

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

placeholder="Enter a task"

/>

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

<TaskList tasks={tasks} toggleDone={toggleDone} deleteTask={deleteTask} />

</div>

);

}

export default App;

**src/TaskList.js**

import React from "react";

import Task from "./Task";

function TaskList({ tasks, toggleDone, deleteTask }) {

return (

<ul>

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

<Task

key={index}

index={index}

task={task}

toggleDone={toggleDone}

deleteTask={deleteTask}

/>

))}

</ul>

);

}

export default TaskList;

**src/Task.js**

import React from "react";

function Task({ task, index, toggleDone, deleteTask }) {

return (

<li style={{ textDecoration: task.done ? "line-through" : "none" }}>

{task.text}

<button onClick={() => toggleDone(index)}>

{task.done ? "Undo" : "Done"}

</button>

<button onClick={() => deleteTask(index)}>Delete</button>

</li>

);

}

export default Task;

**src/styles.css**

.app {

text-align: center;

margin-top: 50px;

}

input {

padding: 8px;

margin-right: 5px;

}

button {

padding: 8px 10px;

margin-left: 5px;

}