**DYNAMIC TASK MANAGER**

**TaskForm.jsx**

import React, { useState } from 'react';

function TaskForm({ addTask }) {

const [taskText, setTaskText] = useState('');

const handleInputChange = (e) => {

setTaskText(e.target.value);

};

const handleSubmit = (e) => {

e.preventDefault();

if (taskText.trim()) {

addTask({ id: Date.now(), text: taskText, completed: false });

setTaskText('');

}

};

return (

<form onSubmit={handleSubmit}>

<input

type="text"

placeholder="Add a new task"

value={taskText}

onChange={handleInputChange}

/>

<button type="submit">Add Task</button>

</form>

);

}

export default TaskForm;

**TaskItem.jsx**

import React from 'react';

function TaskItem({ task, removeTask, toggleComplete }) {

return (

<li>

<input

type="checkbox"

checked={task.completed}

onChange={() => toggleComplete(task.id)}

/>

<span className={task.completed ? 'completed' : ''}>{task.text}</span>

<button onClick={() => removeTask(task.id)}>Remove</button>

</li>

);

}

export default TaskItem;

**TaskList.jsx**

import React from 'react';

import TaskItem from './TaskItem';

function TaskList({ tasks, removeTask, toggleComplete }) {

return (

<ul>

{tasks.map((task) => (

<TaskItem

key={task.id}

task={task}

removeTask={removeTask}

toggleComplete={toggleComplete}

/>

))}

</ul>

);

}

export default TaskList;

**App.js**

import React, { useState } from 'react';

import TaskForm from './TaskManager/TaskForm';

import TaskList from './TaskManager/TaskList';

import "./App.css";

function App() {

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

const addTask = (task) => {

setTasks([...tasks, task]);

};

const removeTask = (taskId) => {

const updatedTasks = tasks.filter((task) => task.id !== taskId);

setTasks(updatedTasks);

};

const toggleComplete = (taskId) => {

const updatedTasks = tasks.map((task) =>

task.id === taskId ? { ...task, completed: !task.completed } : task

);

setTasks(updatedTasks);

};

return (

<div className="App">

<h1>Dynamic Task Manager</h1>

<TaskForm addTask={addTask} />

<TaskList

tasks={tasks}

removeTask={removeTask}

toggleComplete={toggleComplete}

/>

</div>

);

}

export default App;

**OUTPUT:**



