import React, { useState } from 'react';

const TodoList = () => {

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

const [newTask, setNewTask] = useState('');

const addTask = () => {

if (newTask.trim() !== '') {

setTasks([...tasks, { id: Date.now(), text: newTask, completed: false }]);

setNewTask('');

}

};

const toggleTask = (taskId) => {

setTasks((prevTasks) =>

prevTasks.map((task) =>

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

)

);

};

const removeTask = (taskId) => {

setTasks((prevTasks) => prevTasks.filter((task) => task.id !== taskId));

};

return (

<div>

<h2>Todo List</h2>

<input

type="text"

placeholder="Add a new task"

value={newTask}

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

/>

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

<ul>

{tasks.map((task) => (

<li key={task.id}>

<input

type="checkbox"

checked={task.completed}

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

/>

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

{task.text}

</span>

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

</li>

))}

</ul>

</div>

);

};

export default TodoList;