**APP.JS**

import React, { useState, useRef, useEffect } from 'react';

import uuidv4 from 'uuid/dist/v4'

import './App.css';

import TodoList from './TodoList';

const LOCAL\_STORAGE\_KEY = 'todoApp.tasks'

function App() {

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

const taskNameRef = useRef()

useEffect(() => {

const storedTasks = JSON.parse(localStorage.getItem(LOCAL\_STORAGE\_KEY))

if (storedTasks) setTasks(storedTasks)

}, [])

useEffect(() => {

localStorage.setItem(LOCAL\_STORAGE\_KEY, JSON.stringify(tasks))

}, [tasks])

function toggleTasks(id) {

const newTasks = [...tasks]

const task = newTasks.find(task => task.id === id)

task.complete = !task.complete

setTasks(newTasks)

}

function handleAddTask(e) {

const name = taskNameRef.current.value

if (name === '') return

console.log(name)

setTasks(prevTaks => {

return [...prevTaks, { id: uuidv4(), name: name, complete: false }]

})

taskNameRef.current.value = null

}

function handleClearTasks() {

const newTasks = tasks.filter(task => !task.complete)

setTasks(newTasks)

}

return (

<>

<TodoList tasks={tasks} toggleTasks={toggleTasks} />

<input ref={taskNameRef} type="text" />

<button onClick={handleAddTask}>Add tasks</button>

<button onClick={handleClearTasks}>Clear taks</button>

<div>{tasks.filter(task => !task.complete).length} taks to do</div>

</>

)

}

export default App;