import { useState, useEffect } from 'react';

import { useRouter } from 'next/router';

import mongoose from 'mongoose';

import Task from '../models/Task';

const Home = ({ tasks }) => {

const [taskList, setTaskList] = useState(tasks);

const [title, setTitle] = useState('');

const [description, setDescription] = useState('');

const [dueDate, setDueDate] = useState('');

const router = useRouter();

const addTask = async () => {

const res = await fetch('/api/tasks', {

method: 'POST',

headers: { 'Content-Type': 'application/json' },

body: JSON.stringify({ title, description, dueDate })

});

const newTask = await res.json();

setTaskList([...taskList, newTask]);

};

const deleteTask = async (id) => {

await fetch(`/api/tasks/${id}`, { method: 'DELETE' });

setTaskList(taskList.filter(task => task.\_id !== id));

};

const toggleComplete = async (id) => {

const task = taskList.find(task => task.\_id === id);

const updatedTask = { ...task, completed: !task.completed };

await fetch(`/api/tasks/${id}`, {

method: 'PUT',

headers: { 'Content-Type': 'application/json' },

body: JSON.stringify(updatedTask)

});

setTaskList(taskList.map(task => (task.\_id === id ? updatedTask : task)));

};

return (

<div>

<h1>Task Manager</h1>

<input placeholder="Title" value={title} onChange={(e) => setTitle(e.target.value)} />

<input placeholder="Description" value={description} onChange={(e) => setDescription(e.target.value)} />

<input type="date" value={dueDate} onChange={(e) => setDueDate(e.target.value)} />

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

<ul>

{taskList.map(task => (

<li key={task.\_id}>

<h3>{task.title}</h3>

<p>{task.description}</p>

<p>{task.dueDate}</p>

<button onClick={() => toggleComplete(task.\_id)}>

{task.completed ? 'Mark Incomplete' : 'Mark Complete'}

</button>

<button onClick={() => deleteTask(task.\_id)}>Delete</button>

</li>

))}

</ul>

</div>

);

};

export async function getServerSideProps() {

await mongoose.connect(process.env.MONGO\_URI);

const tasks = await Task.find({}).lean();

return { props: { tasks: JSON.parse(JSON.stringify(tasks)) } };

}

export default Home;