1. Write a project tasks management application to insert the task details such as task name, task status into the MongoDB.
2. Write a project tasks management application to display the task details such as task name, task status from the MongoDB.
3. Write a project tasks management application to update the existing task details such as task name, task status from the MongoDB.

**Front-end:**

**App.js**

import logo from './logo.svg';

import './App.css';

import { Route, BrowserRouter as Router, Routes } from 'react-router-dom';

import Insert from './Insert';

function App() {

  return (

    <div className="App">

      <Router>

        <Routes>

          <Route path='/' element={<Insert />} />

        </Routes>

      </Router>

    </div>

  );

}

export default App;

**Insert.jsx**

import React, { useState } from 'react';

import axios from 'axios';

function Insert(){

    const [name, setName] = useState('');

    const [status, setStatus] = useState('');

    const handleClick = async ()=>{

        var result = '';

        result = await axios.post('http://localhost:5000/insert/', {name, status});

        document.getElementById('id1').innerHTML = result.data;

    }

    return(

        <div>

            <h2> Project Tasks Management Application - Insert a new task </h2>

            <input type='text' placeholder='name' onChange={(e)=>setName(e.target.value)}/>

            <input type='text' placeholder='status' onChange={(e)=>setStatus(e.target.value)}/>

            <h3> name is: {name} </h3>

            <h3> status is: {status} </h3>

            <button onClick={handleClick}> insert </button>

            <h3 id='id1'> </h3>

        </div>

    );

}

export default Insert;

**View.jsx**

import axios from 'axios';

import React, { useState } from 'react';

function View(){

    const [output, setOutput] = useState([]);

    const handleView = async ()=>{

        var result = null;

        result = await axios.get('http://localhost:5000/');

        setOutput(result.data);

        document.getElementById('id1').innerHTML = result;

    }

    return(

        <div>

            <h2> View the project tasks status details: </h2>

            <button onClick={handleView}>View </button>

            <h2 id='id1'> </h2>

            {

            output.map(item=><li>{item.taskname}: {item.taskstatus}</li>)

            }

            {/\* {JSON.stringify(output)} \*/}

        </div>

    );

}

export default View;

**Update.jsx**

import React, { useState } from "react";

import axios from "axios";

function Update(){

    const [name, setName] = useState('');

    const [status, setStatus] = useState('');

    const handleUpdate = async ()=>{

        const result = await axios.post('http://localhost:5000/update/', {name, status});

        document.getElementById('id1').innerHTML = result.data;

    }

    return(

        <div>

            <input type="text" placeholder="task name" onChange={(e)=>setName(e.target.value)}/>

            <input type="text" placeholder="task status" onChange={(e)=>setStatus(e.target.value)}/>

            <button onClick={handleUpdate}> update </button>

            <h2 id='id1'> </h2>

        </div>

    );

}

export default Update;

**Back-end:**

const express = require('express');

const app = express();

const cors = require('cors');

app.use(cors());

const bodyParser = require('body-parser');

app.use(bodyParser.json());

app.use(express.urlencoded({extended: true}));

app.listen(5000, ()=>{

    console.log('SErver is waiting...');

});

const {MongoClient} = require('mongodb');

const client = new MongoClient('mongodb://localhost:27017');

app.post('/insert', async (req, res)=>{

    console.log('Name is: ', req.body.name);

    console.log('status is: ', req.body.status);

    var result = null;

    result = await client.db('projmgmtdb').collection('col1').insertOne({'taskname':req.body.name, 'taskstatus':req.body.status});

    console.log(result.acknowledged);

    console.log(result);

    if (result.acknowledged == true){

        res.send('insert successful');

    }

    else{

        res.send('insert failed');

    }

    res.end();

});

app.get('/', async (req, res)=>{

    const db = client.db('projmgmtdb')

    const result = await db.collection('col1').find().toArray();

    console.log(result);

    console.log(result.length);

    if(result.length != 0){

        console.log(result);

        res.json(result);

    }

    else{

        res.send('Receiving data - failed');

    }

    res.end();

});

app.post('/update', async (req, res)=>{

    const result = await client.db('projmgmtdb').collection('col1').updateOne({taskname: req.body.name}, {$set: {taskstatus: req.body.status}});

    console.log(result);

    if(result.modifiedCount == 1){

        console.log('update successful');

        res.send('Update successful');

    }

    else{

        console.log('update fail');

        res.send('Update fail.');

    }

    res.end();

});