

PRAKTIKUM **SISTEM BASIS DATA**

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1. Website

Kode:

AddNoteForm.js

```
import React, { useState } from 'react';
import axios from 'axios';
const AddNoteForm = ({ onAdd }) => {
 const [title, setTitle] = useState('');
 const [content, setContent] = useState('');
 const handleSubmit = (e) => {
   e.preventDefault();
   axios.post('/api/notes', { title, content })
      .then(response => {
       onAdd(response.data);
        setContent('');
      .catch(error => {
      });
     <h2>Add Note</h2>
     <form onSubmit={handleSubmit}>
        <input type="text" placeholder="Title" value={title} onChange={(e) =>
```



app.js

```
import React from 'react';
import { BrowserRouter as Router, Routes, Route } from 'react-router-dom';
import NoteList from './NoteList';
import AddNoteForm from './AddNoteForm';
import { Link } from 'react-router-dom';
const App = () => {
           <Link to="/">Home</Link>
           <Link to="/add">Add Note</Link>
         <Route path="/" element={<NoteList />} />
         <Route path="/add" element={<AddNoteForm />} />
```



```
export default App;
```

NoteList.js

```
import React, { useState, useEffect } from 'react';
import axios from 'axios';
const NoteList = () => {
 const [notes, setNotes] = useState([]);
 useEffect(() => {
   axios.get('/api/notes')
     .then(response => {
       setNotes(response.data);
     .catch(error => {
     });
  }, []);
 const handleDelete = (id) => {
   axios.delete(`/api/notes/${id}`)
       setNotes(notes.filter(note => note.id !== id));
     .catch(error => {
     });
     <h1>My Notes</h1>
       {notes.map(note => (
         <h3>{note.title}</h3>
           {p>{note.content}
           <button onClick={() => handleDelete(note.id)}>Delete
```



```
))}

    /ul>
    </div>
);

};

export default NoteList;
```

Server.js

```
const express = require('express');
const { Pool } = require('pg');
const app = express();
const port = 5432; // Menggunakan port 3000 sebagai contoh
const pool = new Pool({
 host: 'localhost',
 database: 'your database',
 password: 'your password',
 port: 5432,
});
app.use(express.json());
app.get('/api/notes', async (req, res) => {
   const result = await pool.query('SELECT * FROM notes');
    res.json(result.rows);
    res.status(500).json({ message: 'Internal Server Error' });
});
app.post('/api/notes', async (req, res) => {
```



```
const { title, content } = req.body;
      const result = await pool.query('INSERT INTO notes (title, content)
   res.json(result.rows[0]);
   console.error('Error executing query', error);
   res.status(500).json({ message: 'Internal Server Error' });
});
app.delete('/api/notes/:id', async (req, res) => {
 const id = req.params.id;
   await pool.query('DELETE FROM notes WHERE id = $1', [id]);
   res.json({ message: 'Note deleted successfully' });
   res.status(500).json({ message: 'Internal Server Error' });
app.listen(port, () => {
 console.log(`Server is running on port ${port}`);
```

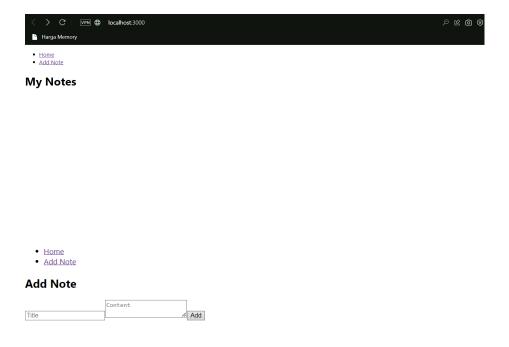
```
Local: http://localhost:3000
On Your Network: http://192.168.159.1:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```



PS D:\SBD\Tutam Modul 9\my-notes-app> node server.js Server is running on port 5432



Query:
CREATE TABLE notes (
 id SERIAL PRIMARY KEY,
 title VARCHAR(255) NOT NULL,
 content TEXT NOT NULL
);



- 2. Link Youtube ⇒ https://youtu.be/GxpGrnHg9Uk
- 3. Link github

https://github.com/AbrisamYuhartono/Tutam_RD_Muhammad-Abrisam-Cahyo-Juhartono_2206026 050_SBD9