Lappeenrannan teknillinen yliopisto

School of Technology

Sofware Development Skills

Maria Małysa 003005073

LEARNING DIARY

Software Development Skills: Full-Stack MODULE

Content

[1 NodeJs Part 3](#_Toc198418871)

[2 MongoDB Part 3](#_Toc198418872)

[3 Express Part 6](#_Toc198418873)

[4 React part 9](#_Toc198418874)

[5 MErn stack 13](#_Toc198418875)

[6 My project 14](#_Toc198418876)

**LEARNING DIARY**

**15.05.2025**  
I enrolled in the course

Environment Setup.

Installing and connecting applications.

**16.05.2025**

# NodeJs Part

Video:

**“**[**Node.js Crash Course**](https://www.youtube.com/watch?v=32M1al-Y6Ag&ab_channel=TraversyMedia)**”**

Content:

Node.js as an open-source JavaScript runtime.

Usage, advantages.

How Node.js Works.

Making project nodejs-crash-2024, files in repo.

# MongoDB Part

Video:

**“**[**MongoDB Crash Course 2022**](https://www.youtube.com/watch?v=2QQGWYe7IDU&ab_channel=TraversyMedia)**”**

Content:

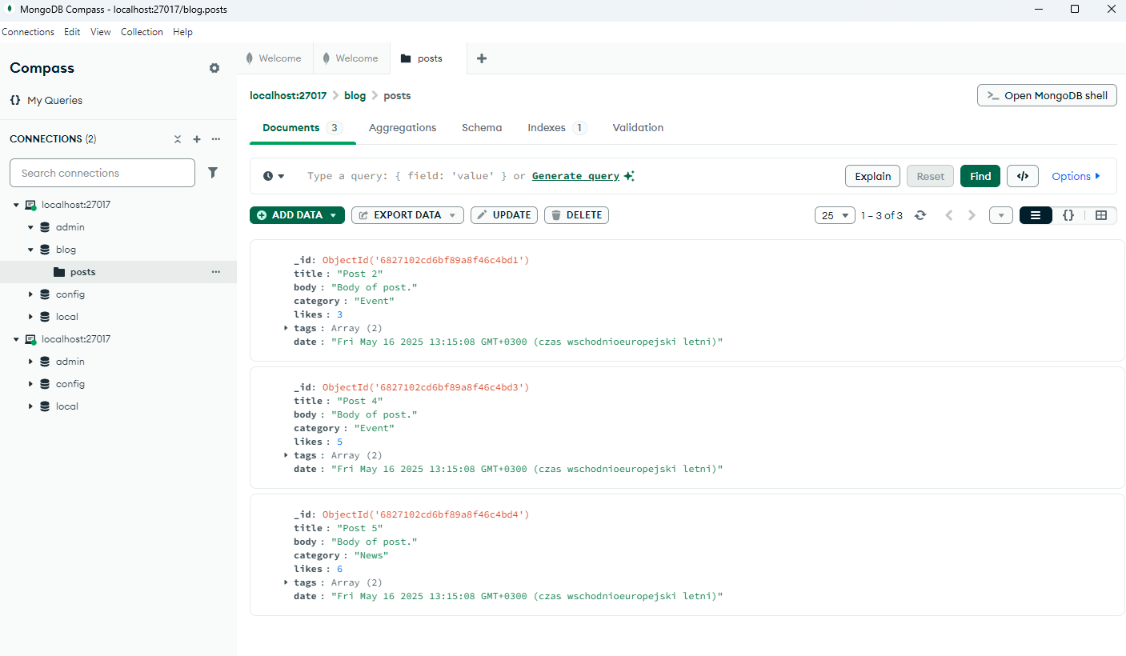
MongoDB as NoSQL (NotOnly SQL) – document database JSON.

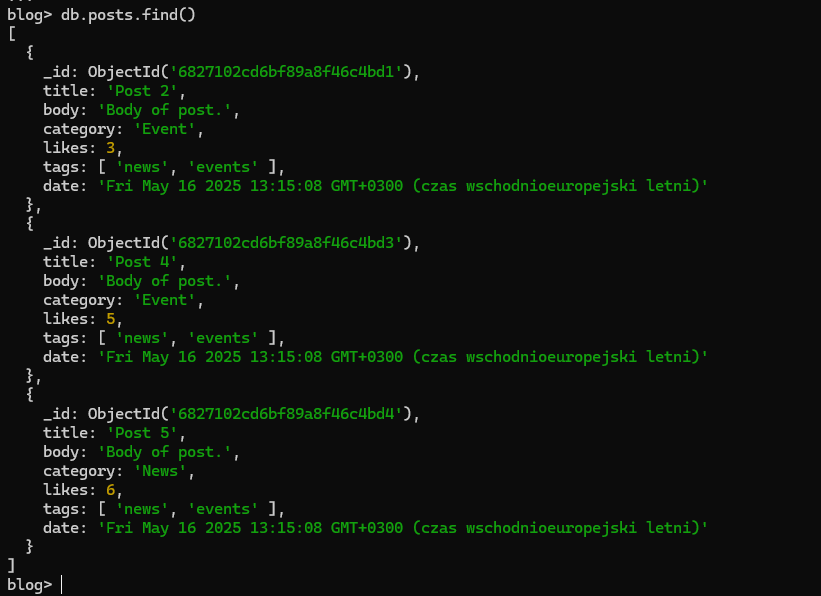
Schema comparison and structure, scaling.

The importance and operation of the program.

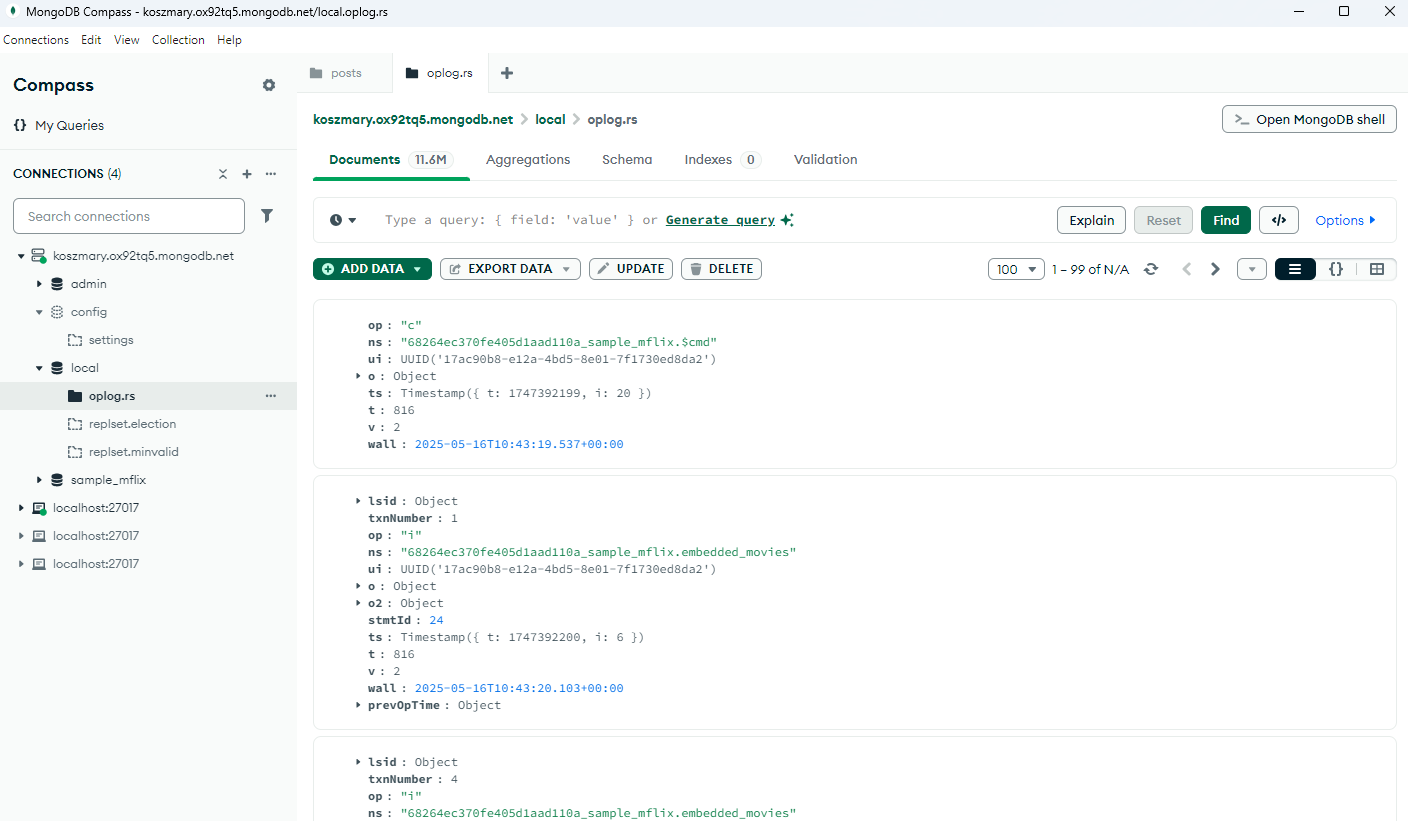
I started working with MongoDB and added text file in repo.

Everything worked and here are results after using cmd:

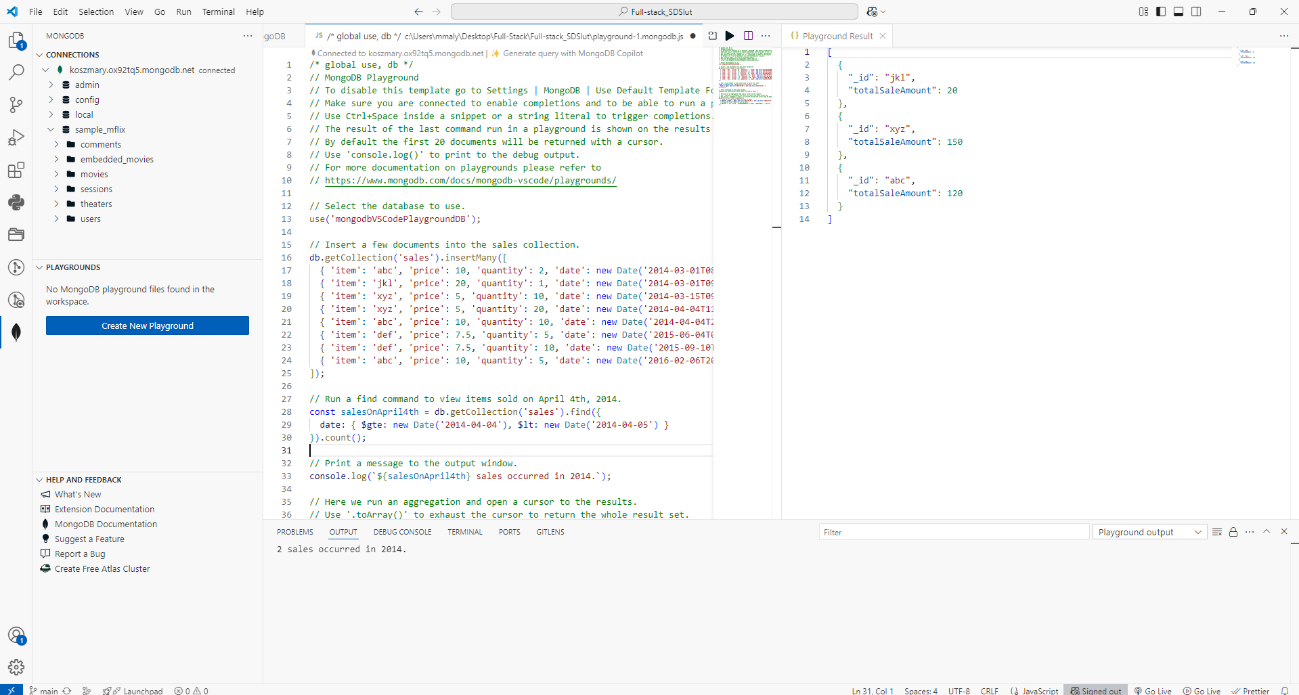




Added new database with sample data:



Database in VS:



MongoDB

Username: admin

Password: admin

mongosh "mongodb+srv://koszmary.ox92tq5.mongodb.net/" --apiVersion 1 --username admin

**17.05.2025**

# Express Part

Video:

“[**Express Crash Course**](https://www.youtube.com/watch?v=CnH3kAXSrmU)”

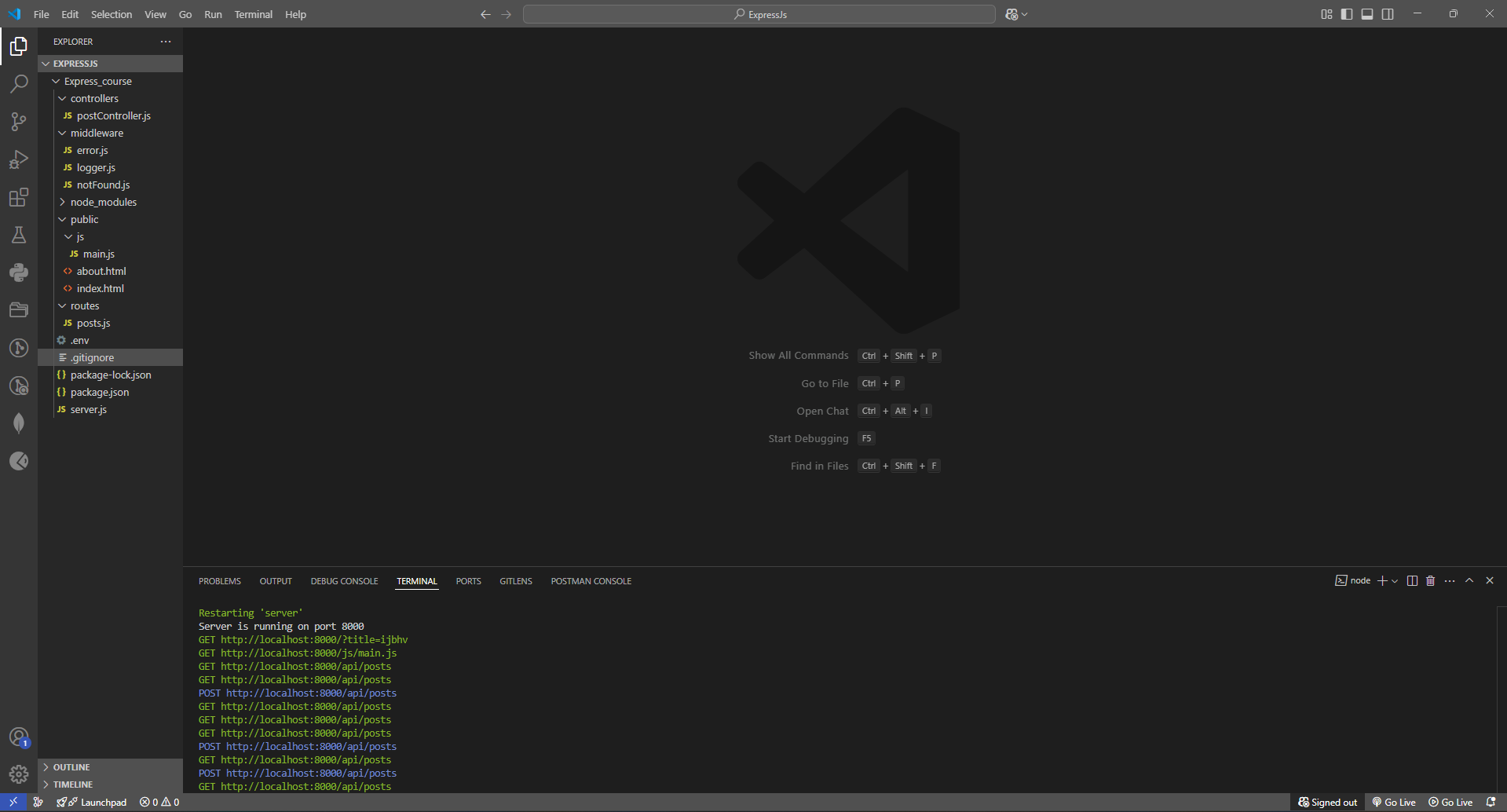
Content:

Express as framework for Node.js.

Usage, importance.

Opinionated vs Unopinionated framework.

Making project, files in repo.



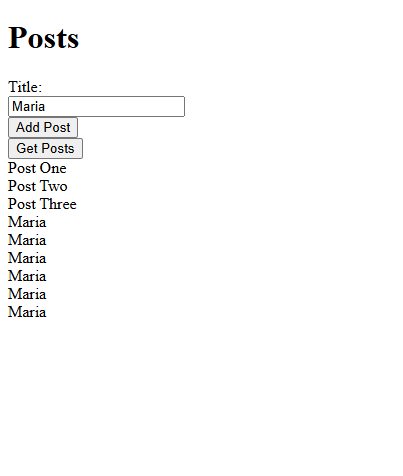
Everything is working properly.

Working localhost:

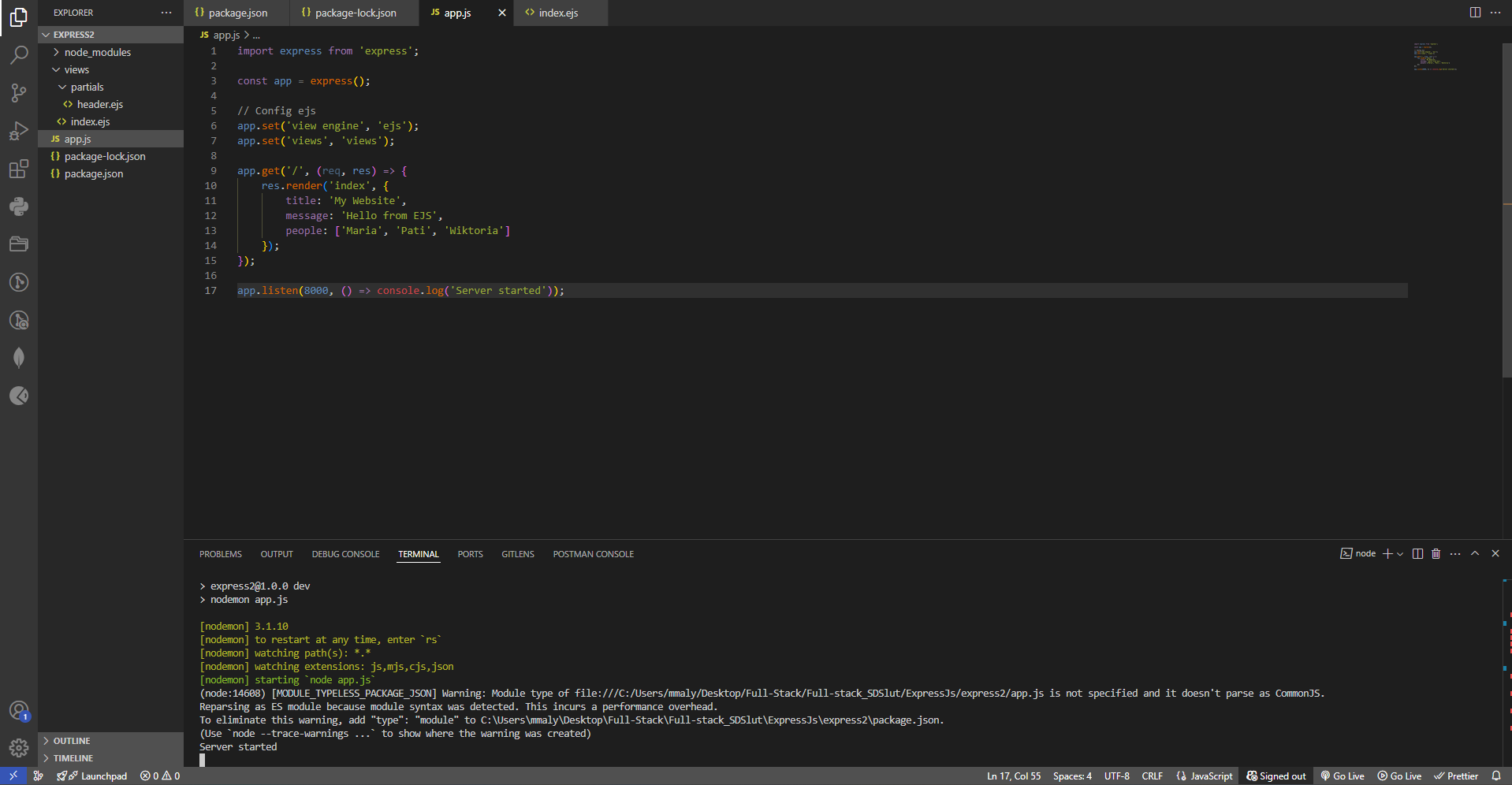
Get Post

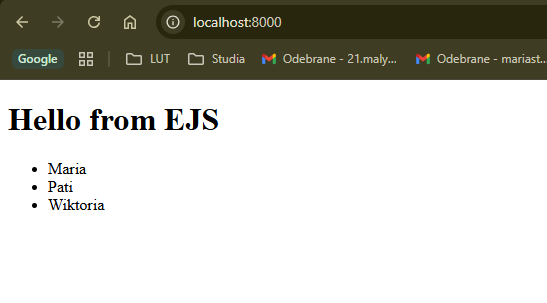


Add Post “Maria”



EJS part:





# React part

**18.05.2025**

Project: <https://react.dev/learn>

Content:

Using components, markup and styles.

Data display and share, conditions and lists.

Video: “[**React JS Crash Course**](https://www.youtube.com/watch?v=w7ejDZ8SWv8&ab_channel=TraversyMedia)”

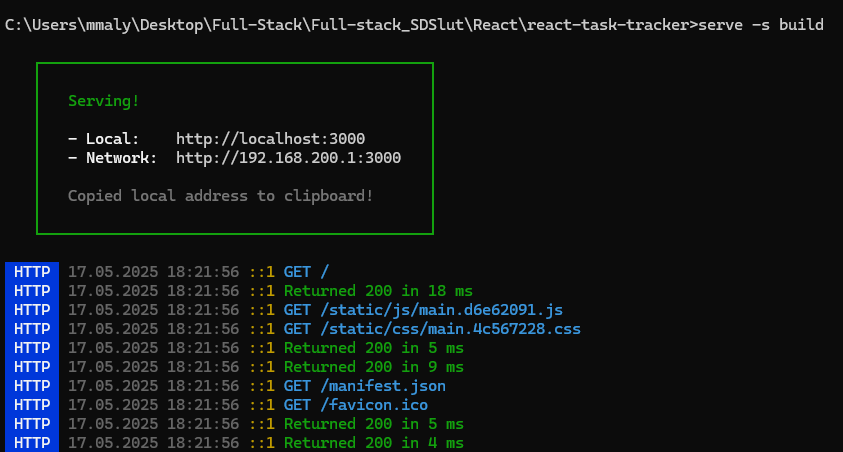
React as a library for building user interfaces – front end framework.

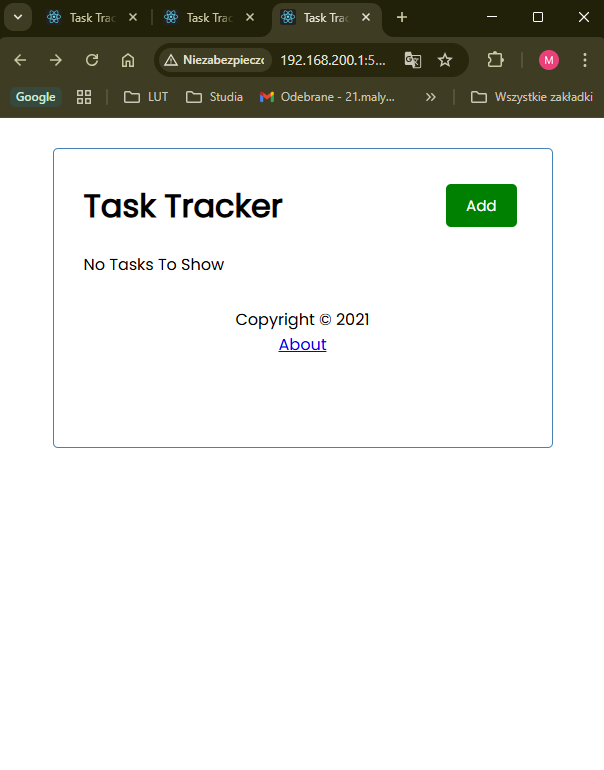
Importance , usage.

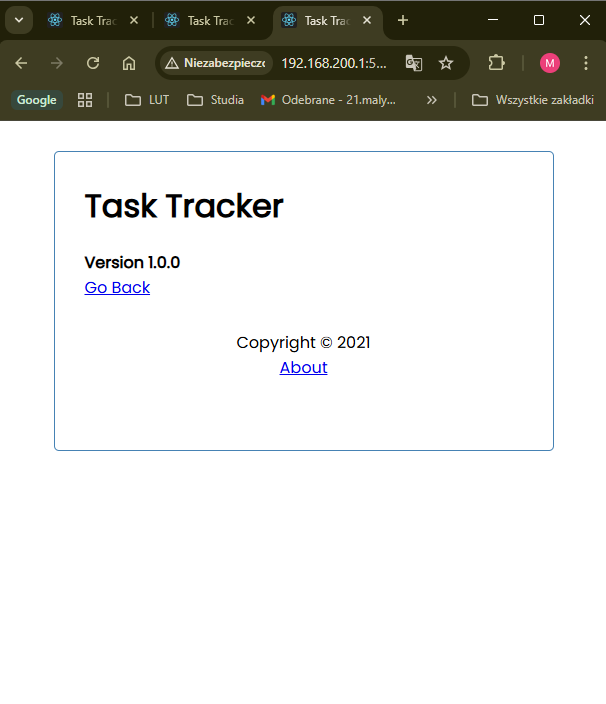
Components.

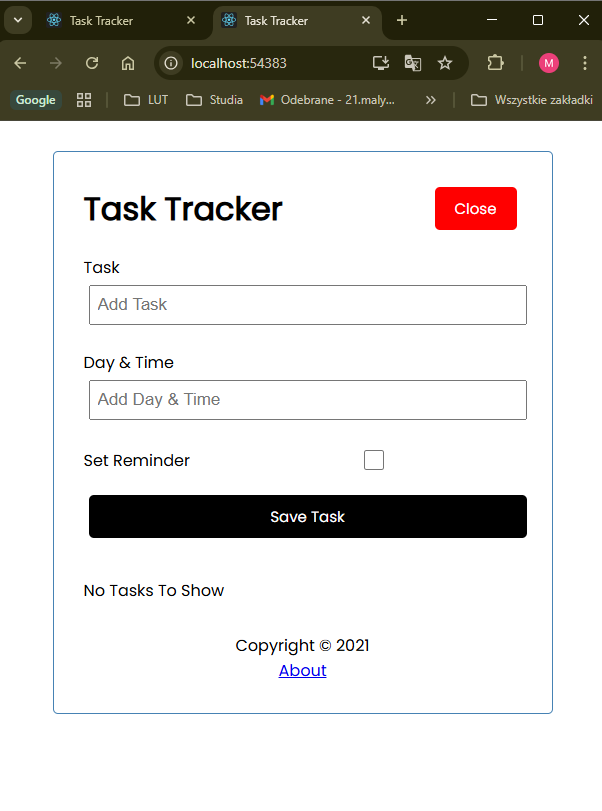
Working with State

Working project:





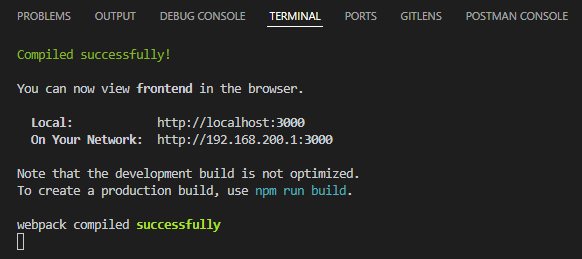


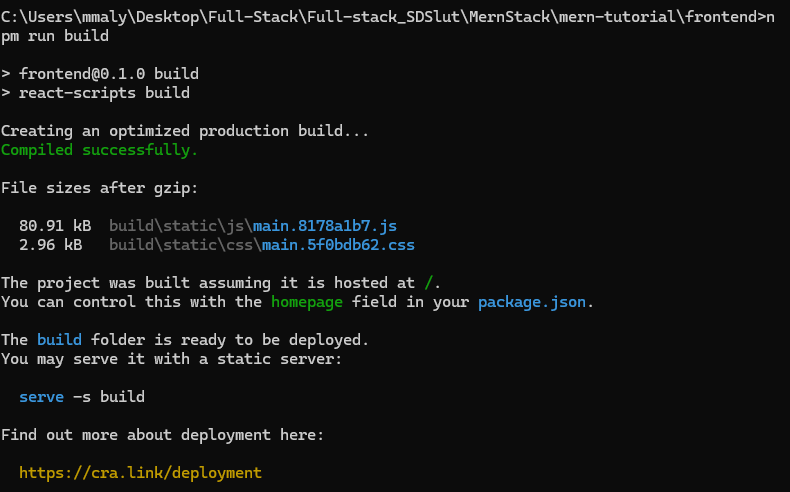


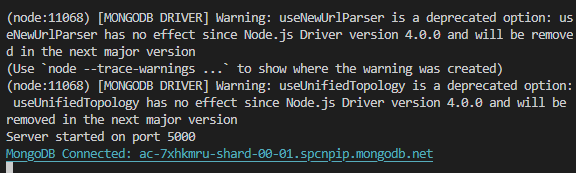
# MErn stack

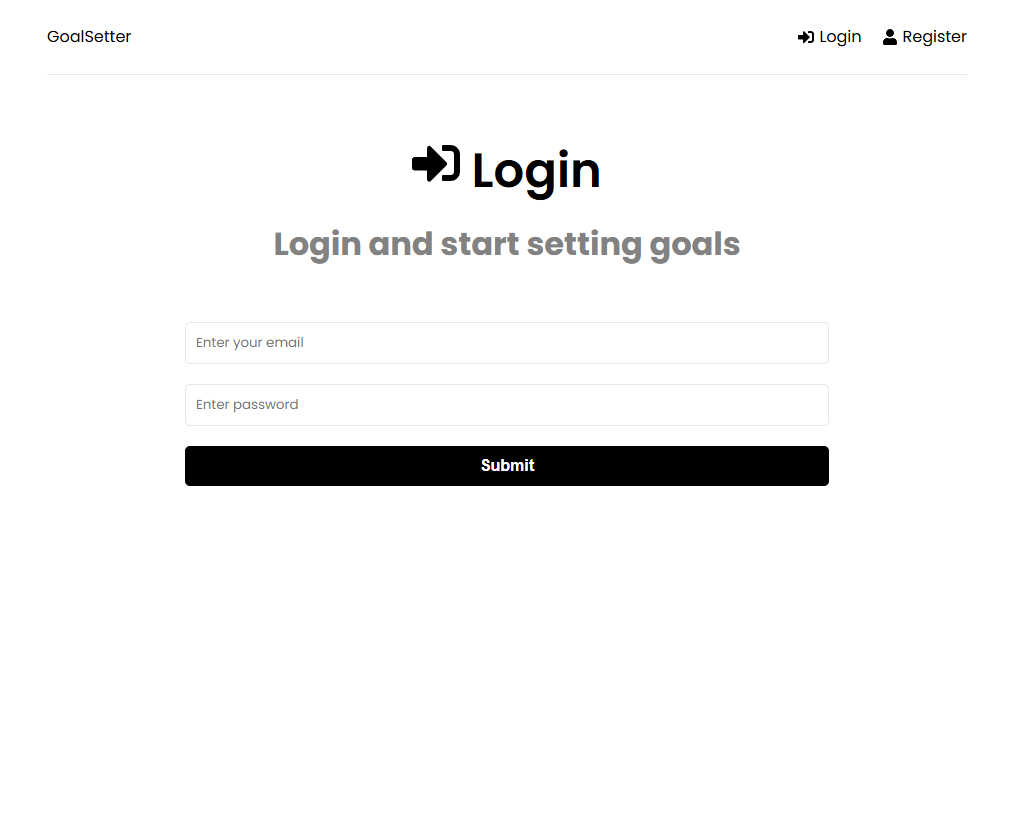
**19.05.2025**

Course work from [**playlist**](https://www.youtube.com/playlist?list=PLTMNWTDdd5z_CtvbzG6r1f4hjnCaphPTV)









# My project