

Mind Mapping Project

Key Features

- User registration and login
- JWT Token Authentication
- Create mindmap - visualize your ideas and expand them around a central base idea
- CRUD operations (create, read, update and delete)

Technologies used

This project was created using the following technologies.

Frontend

- [React js](#)
- [React Hooks](#)
- [react-router-dom](#)
- [axios](#)
- [React Redux](#)
- [Css](#)
- [React Bootstrap](#)
- [React Fontawesome icons](#)

Mind Mapping Reference Doc

Mind elixir is a free open source mind map core. <https://doc.mind-elixir.com/>

- [mind-elixir-core](#)
- [@mind-elixir/node-menu](#)
- [mind-elixir-react](#) Small library that helps you add icons to your react apps.

Backend

- [Spring Boot](#)
- [Spring Security](#)
- [JWT Tokens](#)

Database

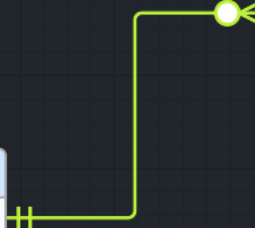
- [db4free.net](#)

NOTE: db4free.net is a testing service which means it is not suitable for production. There can be outages, data loss and security features do not meet the standards which you expect from a professional data hosting provider. If you need a MySQL database for production use, please do not use db4free.net!

Mind Mapping Schema (mindmapping_db)

<i>users</i>	
<i>user_id</i>	int
<i>firstname</i>	varchar(150)
<i>lastname</i>	varchar(100)
<i>email</i>	varchar(255)
<i>password</i>	varchar(150)
<i>role</i>	enum(Admin, User)
<i>created_date</i>	datetime

<i>mindmappings</i>	
mapping_id	int
title	varchar(255)
mapping_json	mediumtext
user_id (FK)	int
created_date	datetime
modified_date	datetime



Description	REST API	HTTP Method
Register a User	/api/v1/auth/register	Post
Authenticate a User	/api/v1/auth/authenticate	Post
Create a mindmap	/api/v1/mindmapping	Post
Get a mindmap	/api/v1/mindmappings/{id}	Get
Update a mindmap	/api/v1/mindmappings/{id}	Put
Delete a mindmap	/api/v1/mindmappings/{id}	Delete



Project

☒ Gradle - Groovy

☐ Gradle - Kotlin ☐ Maven

Language

☒ Java ☐ Kotlin ☐ Groovy

Spring Boot

☐ 3.1.1 (SNAPSHOT) ☒ 3.1.0 ☐ 3.0.8 (SNAPSHOT) ☐ 3.0.7

☐ 2.7.13 (SNAPSHOT) ☐ 2.7.12

Project Metadata

Group

Artifact

Name

Description

Package name

Packaging ☒ Jar ☐ War

Java ☐ 20 ☒ 17 ☐ 11 ☐ 8

Dependencies

ADD DEPENDENCIES... CTRL + B

Lombok DEVELOPER TOOLS

Java annotation library which helps to reduce boilerplate code.

Spring Data JPA SQL

Persist data in SQL stores with Java Persistence API using Spring Data and Hibernate.

Spring Security SECURITY

Highly customizable authentication and access-control framework for Spring applications.

MySQL Driver SQL

MySQL JDBC driver.

Spring Boot DevTools DEVELOPER TOOLS

Provides fast application restarts, LiveReload, and configurations for enhanced development experience.

Spring Web WEB

Build web, including RESTful, applications using Spring MVC. Uses Apache Tomcat as the default embedded container.



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