RECIPE APPLICATION BACKEND USER GUIDE

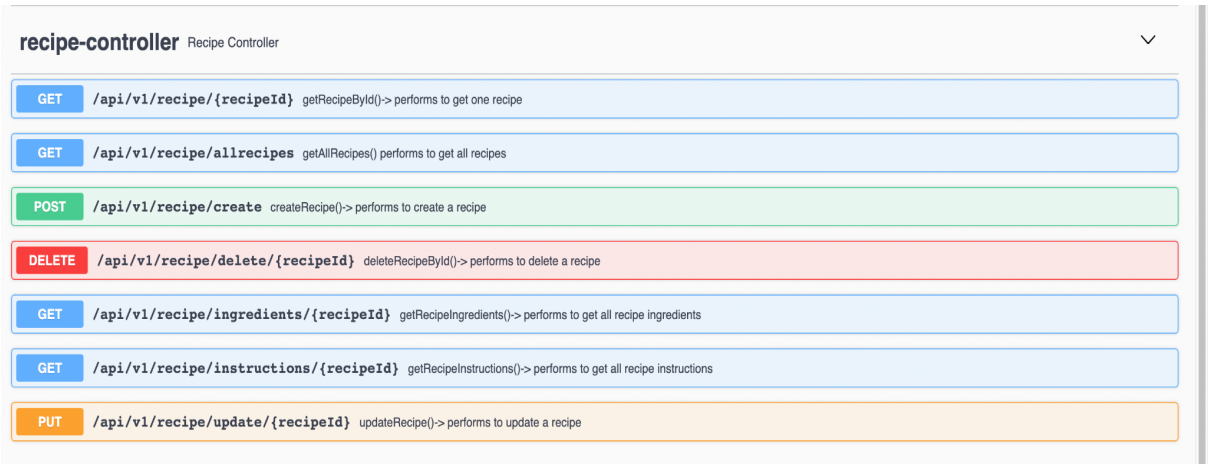
This recipe backend application was created by using the different technologies listed below.

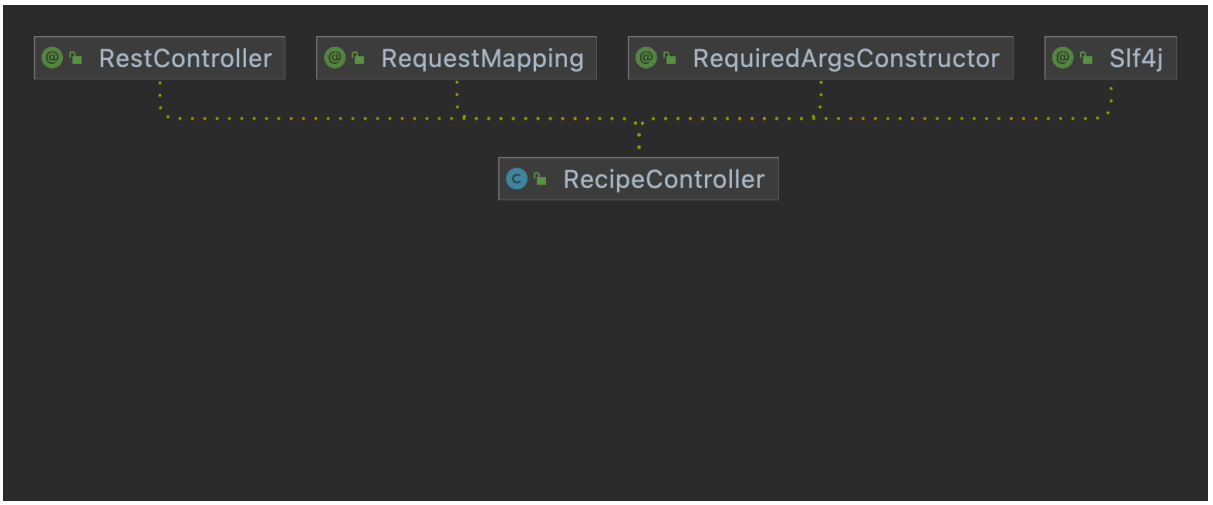
Frameworks:

- Spring Boot
- Spring Rest API
- Spring Security
    1. Authorization Management
    2. Authentication Management
    3. CORS Management
    4. CSRF Management
- Spring Exception Management
- Spring Data
- Docker
- Java 11
- Maven
- Spring JPA Hibernate Implementation
- MySQL DB
- Javax Validations
- Spring Tests
- Junit
- Mockito
- Swagger For API Documentation
- Slf4j
- Lombok
- Json Web Tokens

Recipe Rest API:

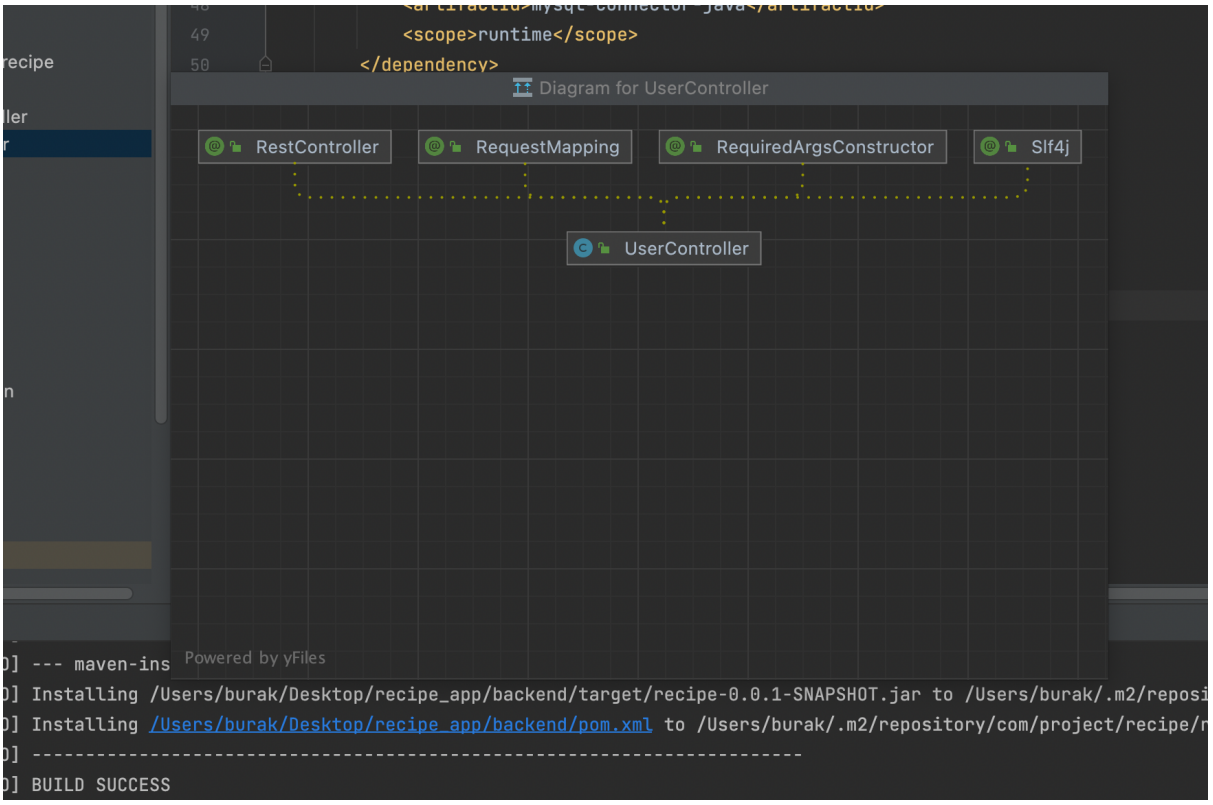
It is a rest controller for performing rest operations.



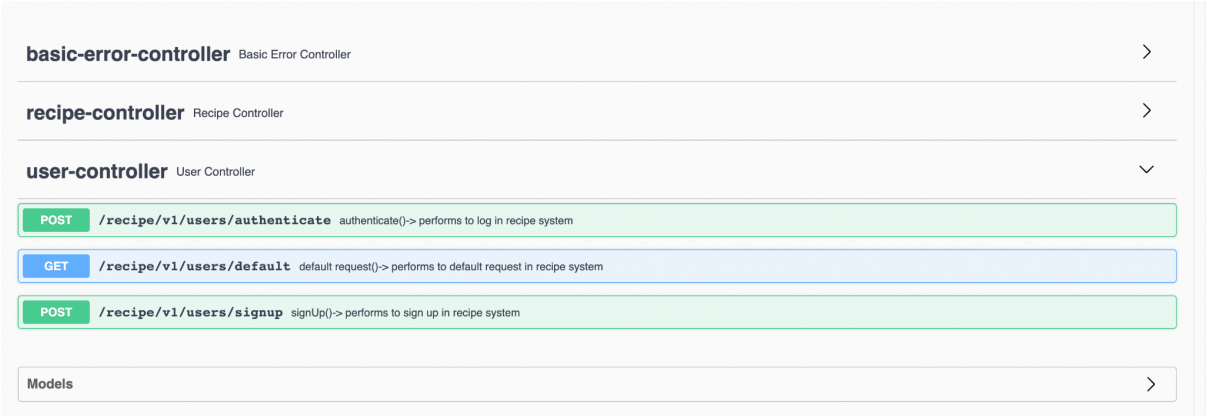


User Rest API:

It is a rest controller for performing user authorization and authentication operations.



it is operating below these operations.



System Security :

The Recipe Backend enables to manage authorization and authentication operations by using spring web security.

The system has three tables to perform authentication and authorization operations.

These tables are :

- USER
- ROLE
- USER_ROLES

The user table keeps user information like username and password.
The role table keeps role info like ADMIN, USER.
The user_roles table keeps the relationship between user and role.

The system has default two roles these are :

- ADMIN
- USER

Firstly, spring security checks the user when the user wants to access the system resources.

If the system authenticates the user, the system assigns rights and privileges to the user.

A token is created for the user for verification processes.