

EatAndShare(Developer Documentation)

1. Overview

EatAndShare is a recipe-sharing web platform built with Spring Boot, Thymeleaf, and MySQL. Users can:

- Register/login securely
- Upload recipes (including images)
- Add structured ingredients (name, quantity, unit)
- Browse and search recipes by category

2. Installation Instructions

I. Download and install Java 21.

<https://www.oracle.com/java/technologies/downloads/>

II. Download and install mysql Ver 8.0.43

<https://downloads.mysql.com/archives/installer/>

III. Clone the project

```
git clone https://github.com/andriastheI/EatAndShare.git
```

```
cd EatAndShare
```

IV. Configure MySQL

Make sure MySQL is running and configured with the correct database, username, and password.

Create a data base with the name 'cookbook'

```
CREATE DATABASE cookbook;
```

Make sure the username is 'blackfe' and password 'iampassword'

```
CREATE USER 'blackfe'@'localhost' IDENTIFIED BY  
'iampassword';
```

```
GRANT ALL PRIVILEGES ON cookbook.* TO 'blackfe'@'localhost'  
WITH GRANT OPTION;
```

```
FLUSH PRIVILEGES;
```

If you want a database with different name and credentials, make sure they match exactly with the credentials in the `src/main/resources/application.properties` file.

V. Verify Application Configuration

Check the file: `src/main/resources/application.properties` if it has the same configuration as the following:

```
spring.datasource.url=jdbc:mysql://localhost:3306/cookbook  
  
spring.datasource.username=blackfe  
  
spring.datasource.password=iampassword  
  
spring.jpa.hibernate.ddl-auto=update  
  
spring.jpa.show-sql=true  
  
spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.  
MySQLDialect  
  
#"Image Upload Directory"  
  
upload.dir=uploads
```

VI. Running gradlew.sh (Gradle Wrapper)

- 1) For Linux / macOS (Unix-based system)
- a. Open a terminal in the project directory:

```
cd path/to/EatAndShare
```

- b. Give execution permission(only needs to be done once):

```
chmod +x gradlew
```

- c. Run the application:

```
./gradlew bootRun
```

- 2) For Windows (Command prompt or Powershell)
- a. Open Command Prompt or Powershell in the Project directory:

```
cd path/to/EatAndShare
```

- b. Run the application using the windows wrapper script:

```
gradlew.bat bootRun
```

The application will be available at <http://localhost:8080> on any browser on your computer. For further information about the web application please checkout the user manual.