**Food Recipe API Java Project for Team H**

Food recipe is a Spring Boot API web service to allow users to save their recipes through the internet and retrieve them whenever they need it.

**It allows registered users to do the following:**

* Registration
* Login (Authentication)
* Logout
* Query all the recipes.
* Search recipes based on title, category, and ingredients.
* Add recipe.
* Update recipe.
* Remove recipe.

**Entities/Models (can be edited, you can add new models and variables):**

**Profile** – userId (auto generated), firstname, midname, lastname.

**User** – id (auto generated), Profile, username, password.

**Recipe** – id(auto generated), Profile, title, Category, ingredients

Category (Entrees, Main Courses, Sides, Drinks, Desserts) can be a class or can be ENUM.

**Initial Dependencies in the project (you can add more if it is needed):**

Lombok – Java annotation library which helps to reduce boilerplate code.

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

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

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

PostgreSQL Driver – A JDBC and R2DBC driver that allows Java programs to connect to a PostgreSQL database using standard, database independent Java code.

**Tools to be used:**

Eclipse/Intellij – for project development

Postman – for checking api request.

DBeaver – for database access/editor.

Github – for project versioning.

Note:

Please follow Best Practice for developing Spring Boot applications

You use this as a guide: https://www.youtube.com/watch?v=NaEk2zAmDE8

For Spring Security (usage of JWT): https://www.youtube.com/watch?v=KxqlJblhzfI