

Food Express App - Spring Security Intern Task

Objective:

Implement Basic Authentication using Spring Security for the Food Express backend.

Tech Stack:

Java 17+, Spring Boot, Spring Security, H2/MySQL, REST APIs

User Roles:

ADMIN: Manage food items

CUSTOMER: View menu and place orders

Public APIs:

POST /auth/register

GET /menu

Protected APIs:

CUSTOMER -> POST /orders, GET /orders/my

ADMIN -> POST /admin/food, PUT /admin/food/{id}, DELETE /admin/food/{id}

Tasks:

1. Add Spring Security dependencies
2. Create User entity
3. Encrypt password using BCrypt
4. Configure SecurityConfig
5. Implement UserDetailsService
6. Test using Postman Basic Auth

Expected Results:

Unauthorized access returns 401

Role mismatch returns 403

Valid user gets 200 response