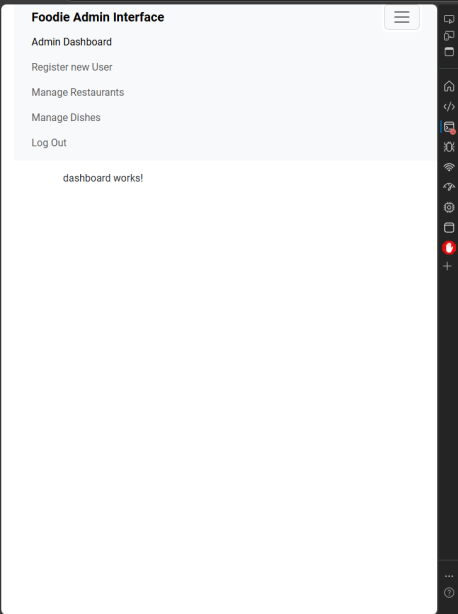
Capstone Project  
  
1) Angular Admin + Client Side  
Doing a login system that allows for different use roles allows for users and admins to go through the same system and receive different endpoints, including a different navbar and features.

When logging in as an admin, you will get more features such as the ability to register new users and add restaurants (and dishes)



Add Dish

A screenshot of a computer

Description automatically generated

Footer Shows Successful Creation

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Successfully written into backend

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Add Restaurant

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Description automatically generated

Footer confirms successful creation

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Appears in the mySQL backend

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Generating auth guard for admin

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Auth-guard.ts (Will add more authentication when backend is made)

Login as Admin:

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Admin View Dishes/Restaurants  
  
A screenshot of a computer

Description automatically generated

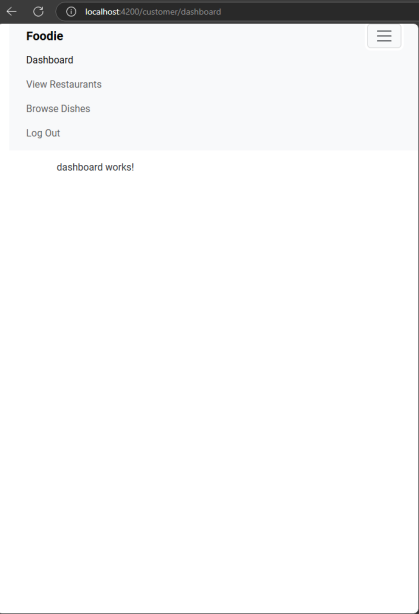
A screenshot of a phone

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2) Angular User Side

User side has no management system or option to create additional users. This is accessed by logging in via an account that has UserRole = customer instead of admin.

Admin accounts cannot be created in registration.



View Dishes + Restaurants (As User, no Delete or Update)

A screenshot of a menu

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A screenshot of a computer

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3) Database SQL:  
  
CREATE DATABASE foodie;

USE foodie;

CREATE TABLE Restaurants (

id BIGINT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

location VARCHAR(255) NOT NULL

);

CREATE TABLE Dishes (

id BIGINT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

price FLOAT NOT NULL,

restaurant\_id BIGINT,

FOREIGN KEY (restaurant\_id) REFERENCES Restaurants(id) ON DELETE CASCADE

);  
  
Database Test Data  
  
INSERT INTO Restaurants (name, location) VALUES

('Greasy Grove', 'Manchester'),

('Pizza Place', 'Manchester'),

('Sushi Shop’, 'Leeds'),

('Tomato Town', 'Leeds’);  
  
INSERT INTO Dishes (name, price, restaurant\_id) VALUES

('Beef Burger', 2.99, 1),

('Cheeseburger', 3.99, 1),

('Pepperoni Pizza', 9.99, 2),

('Veggie Pizza', 8.99, 2),

(‘California Roll’, 4.99, 3),

('Edamame', 1.99, 3),

('Penne Pasta', 1.99, 4),

('Spaghetti Bolognaise', 3.99,4);

Test Queries

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A screenshot of a menu

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A screenshot of a computer

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4) Spring Boot Java Backend

Initialise spring boot

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A computer screen shot of a program

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When ran, users generated in MYSQL

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A screenshot of a computer

Description automatically generated

Dishes + Restaurants created on springboot backend rather than SQL File:

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A screen shot of a computer

Description automatically generated

5) Front-End/Back-End Communication via HTTP

Creating data.service.ts

A screen shot of a computer

Description automatically generated

Change from localhost to server

A screen shot of a computer program

Description automatically generated

Java DataController

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Description automatically generated

Jenkinsfile

6) Dockerfile

Creating a network

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Running Containers

Dockerfile for Angular project

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Dockerfile for Spring Boot project

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7) CI CD Pipeline

8) AWS EC2