Project Title

Quick Quisine: voice activated ordering app

Team Name

Group 2

Team Members & Roles

- Orifkhon Kilichev - omk5087 - Backend, Database
- Caleb Nhkum - czn5226 - Frontend
- Haris Ahmad - hka5236 - Backend, Database
- Syed Ahmad - sua5026 - Frontend

Technologies

- Frontend - React, JavaScript, HTML, CSS, Bootstrap
- Backend - SpringBoot, Java, PostgreSQL, AWS S3, AWS EC2
- Others - Git, GitHub, Docker

Project Advisor

- Dr. Sayed Mohsin Reza

GitHub

- Backend
- Frontend

*the repositories are private

Project Description

In today's restaurant scene, things are getting a bit tricky. Employee wages are going up, and everyone wants their food faster. Waiting in line for your meal is not exactly fun. We need a change, something that tackles the rising costs for the restaurants and saves customer’s time.

What people want is simple: an easy and quick way to order food that feels personal. The usual way of ordering takes too long, and the wait for food can be a real headache. We need something that not only helps restaurants with the money side of things but also makes the whole dining experience smoother and more enjoyable for everyone.

Our fix for these issues is Quick Quisine: voice activated ordering app. Customers simply speak their orders into the app, and our app translates those voice commands into possible orders. Once the order is placed, customers can track its progress, reducing the anxiety associated with waiting. With a strong commitment to privacy, Quick Quisine doesn't store any personal information, ensuring that each dining experience is not just efficient but also secure and respectful of individual privacy.

Title: Quick Quisine

Developers:

Haris Ahmad | hka5236@psu.edu | Backend, Database

Syed Ahmad | sua5026@psu.edu | Frontend

Orifkhon Kilichev | omk5087@psu.edu | Backend, Frontend

Caleb Nhkum | czn5226@psu.edu | Frontend

Faculty Advisor: Dr. Reza

Frontend: React**, Backend:** Spring Boot, **Database:** PostgreSQL

Problem Statement:

Customers usually have to wait a certain amount of time to be able to place an order and processing orders takes a certain large amount of time during busy hours, due to short staff and inconsistent time in processing orders.

To solve these issues, we are developing a web-application that handles orders on behalf of the restaurant. The customer will be able to access the web app through a QR code, and they can order without waiting for a server. The customers would also be able to use their voice to order food as if they were talking to a server as well.

This would enable restaurants to hire fewer waiters but be able to offer them higher wages. This would also save customers time compared to the traditional ordering process. Furthermore, we are including online order for pickup, cloud integrated with third party delivery services like DoorDash, and voice/text command that allows customers to order within a click of a button.

Links:

Backend GitHub Repo

Frontend GitHub Repo

Ideas:

- Be able to get menu data through a picture or image
- AI-Powered Menu Recommendations: Implement AI algorithms to analyze customer preferences and suggest dishes they might like. This could be based on their past orders or trending dishes
- Nutritional Information and Dietary Filters: Include detailed nutritional information for each dish and filters for dietary requirements (e.g., vegan, gluten-free, nut allergies).
- Random orders and restaurants (for people that can't decide)
- Order by voice