QR Code based Queueing Assistance in Android

Overview

Restaurants have implemented virtual queue systems which issue queue tickets to customers and notify them through SMS or phone calls upon reaching their turn. However, customers have no information about the queue status when they leave the restaurant, as the queue status screen is usually located at the entrance of the restaurant.

By combining existing virtual queue systems and QR codes, we developed an Android application called "Quezee" that issues queue numbers to customers upon scanning QR codes provided by the restaurants and displaying queue statuses.

Quezee: Customer Application

"Quezee" offers more than just a virtual queue system; it is a one-stop solution for restaurants that handle queue systems to ordering of food and finally making payment through Google Pay.

QuezeeStaff: Staff Application

"QuezeeStaff" is an Android application for restaurant staff. It provides seat management, displays kitchen orders, and manages the restaurant's menu.

Technology Used

- ML Kit for Firebase
- Google Pay
- Material Design
- Reactive X
- Retrofit
- Jersey
- MySQL

Student: Heng Zhi Guang          Supervisor: Asst Prof Liu Wei Chen