Project Charter

## Business Purpose:

To build a web application that enables small business owners to have an online store of their own without being dependent on third party services. The application will provide businesses with a store front, menu/item management, order management and advertisement/marketing management. The application aims at being easy to setup, provide flexibility while being cost effective.

## Scope:

## In Scope Features

* Store Front
* Order Management
* Menu Management
* Advertisement Management

## Out Of Scope Features

* Role System
* Discount System
* Loyalty Programs
* Insights and Analytics
* Accounting
* Online Payments

## Project Roles/Responsibilities:

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Name | Role | Responsibilities. |
| 1 | Rick Guzik | Client | Signoffs, Direction, Requirement gathering. |
| 2 | Pranav Khavare | Web Developer (Backend) | Development of Backend. |
| 3 | Priyanka Sharma | Web Developer (Frontend) | Development of Frontend. |
| 4 | Rashmi Anchan | Business Analyst | Development of Documents. |

## Event Table:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Event | Trigger | Source | Use  Case # | Use Case | Response | Destination |
| Customer wants to browse the items. | Item/Menu Inquiry | Customer | UC01 | Display Item/Menu. | Available Menu is displayed on the store front. | Customer |
| Owner wants advertisement to be displayed. | Advertisement Display. | Owner | UC02 | Display Advertisement. | Available Advertisement is displayed on the store front. | Customer. |
| Customer wants to place order. | Order placement. | Customer | UC03 | Receive an order. | Order is received by the system. | Customer. |
| System notifies Admin that an order has been placed. | Order placed. | Customer | UC04 | Notify an order is placed. | Admin is notified by the system when order is placed. | Admin. |
| Admin accepts the order. | Order placed. | Customer | UC05 | Accept Order. | Admin accepts the order. | Admin. |
| Admin wants to add/remove/update a Menu Category. | Menu Change. | Owner | UC06 | Change Menu Category. | Menu Category is changed in the system. | Admin |
| Admin wants to add/remove/update a Menu Items. | Menu Item Change. | Owner | UC07 | Change Menu Items. | Menu Item is changed in the system. | Admin |
| Admin wants to add/remove/update a Selections. | Item Selection Change. | Owner | UC08 | Change Item Selection Category. | Menu is changed in the system. | Admin |
| Admin wants to add/remove/update a Advertisement. | Advertisement Change. | Owner | UC09 | Change Advertisement. | Advertisement is changed. | Admin |

## Features List:

# CORE FEATURES

* Store Front
* Order Management
* Menu Management
* Advertisement Management

# ADDITIONAL FEATURES

* Role System
  + Role Based system for login containing a role matrix.
* Discount System
  + System to manage discounts.
  + System will be able provide coupon codes.
  + System will be able verify and apply coupon codes on orders.
* Loyalty Programs
  + System will be able to track orders of a customer and provide points which can be redeemed on future orders.
* Insights and Analytics
  + System will be able to provide statistics and insights based on historical data.
* Accounting
  + System will be able to store transactions and accounting information.
* Payment System
  + System will be able to accept online payments.

## System Objectives:

* Customers will be able to browse through the Menu.
* Customers will be able to see the advertisements.
* Customers will be able to place orders.
* Admin will be to access a dashboard with all modules.
* System will be able to receive customer orders made by Customers.
* System will notify Admin about new orders.
* Admin will be able review and accept orders.
* System will maintain history and status of all orders.
* Admin will be able to add/update/remove new Menu Categories.
* Admin will be able to add/update/remove new Menu Items.
* Admin will be able to add/update/remove new Selections.
* Admin will be able to add/update/remove new Advertisements.

## Project Critical Success Factors:

* Delivery of a website that includes:
  + Achieve milestones on time.
  + Feasible Software Architecture.
  + Normalized database model.

## Preliminary Technical Architecture:

## Hardware

* Desktop Computer that can host the servers for ReactJS projects and SpringBoot + SQLServer Backend.

## Software

* ReactJS for store front development.
* ReactJS FOR admin dashboard development.
* JAVA and SpringBoot for Backend development.
* MS SQLServer as database.