

Introduction

Development team #17 will design, develop, and implement a new coffee cart rewards management system (CCRMS) for the owners of the local Atlanta coffee shop LameDucks.

Business Needs/Requirements.

Due to high competition and a high density of coffee shops in Atlanta area, the owners of LameDucks need a rewards system to attract more customers and gain an advantage over competition. The owners have decided to implement a reward managing system based on the customer VIP cards to keep track of points in direct proportion to the amount of money they spend.

Product / Solution Overview

The CCRMS will be designed for two user types: owner and employee. The owner will be able to use administrative privileges to add, update, and delete various entities within CCRMS. The employee will be able to review data, submit an order/shopping cart, or cancel order. Irise studio will be used as a tool to provide a visual presentation of the system to gain design approval of the application from stakeholders.

Major Features

CCRMS system for Android will provide the following functionalities:

- Login to the system
- Validate customer via VIP card or phone number.
- Add or delete Customers
- Based on access level to allow View only or (Add and Delete) inventory
- Based on access level to allow View only or (Add and Delete) product prices
- Display summary of points
- Submit purchase transaction
- Cancel purchase transaction
- Display desserts qualified for pre-order
- Pre-order qualified desserts as early as a month in advance
- Recognized date of birthday of the customer for a free coffee

Scope & Limitations

The initial version of CCRMS will focus on providing services to single shop customers. Manual typing of Input data for VIP card or phone number will be required. Payment will be allowed with cash only.

In a currently to be determined future release, scanning of cards will be added to the system. A card will be associated with a credit card and payment will be allowed by credit card in addition of cash only payments.

Accessibility

CCRMS system will be designed to be used on Android and iPad tablets.

Backend

CCRMS will have to interface with an SQLite database storing inventory and customer information.