

Food Court Management System

Student : Zan Lin Maung

Supervisor : Dr Simon Jones

MSc Dissertation Project
(2014-2015)

Food Court

- A food court is generally an indoor plaza or common area within a facility that is contiguous with the counters of multiple food vendors and provides a common area for self-serve dining.
- Increasingly popular and becoming an essential part of shopping mall, business center, airport, road service and etc.
- Common problem - Overcrowding and long queue

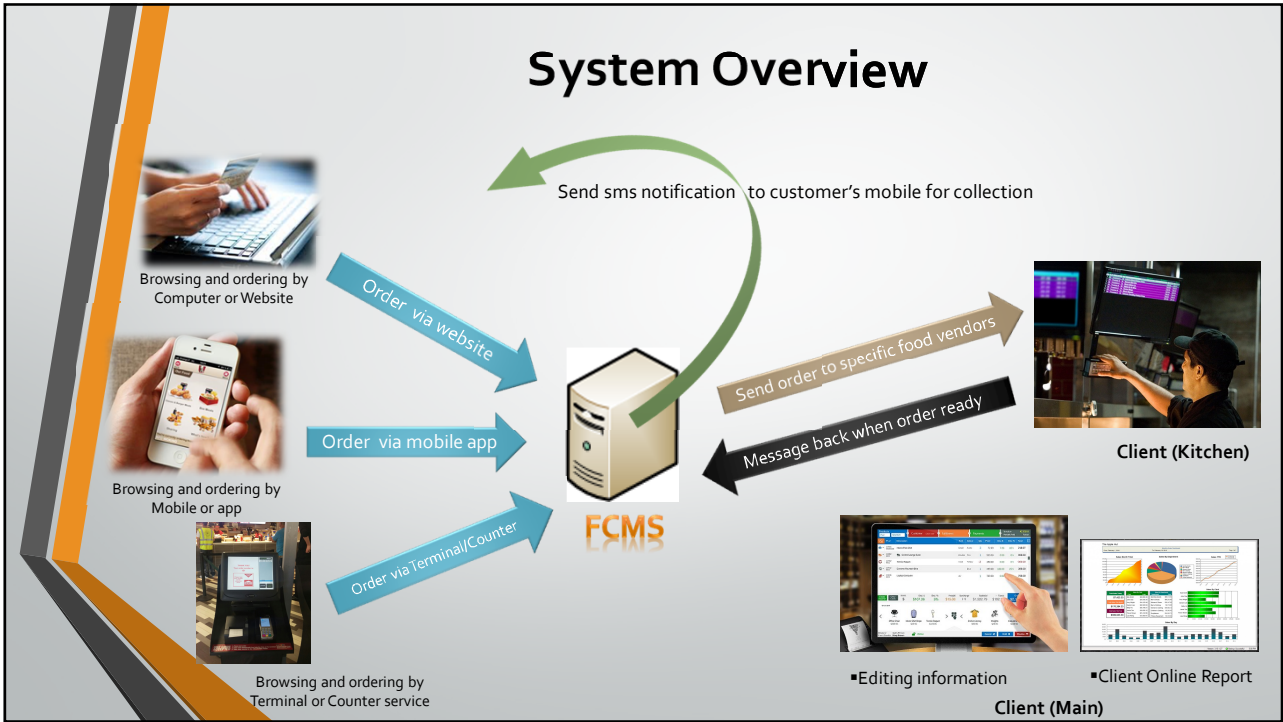


What is Food Court Management System (FCMS)?

- The system which essentially design to improve communication between food vendors and customer.
- The FCMS will enable customers to order food while shopping, working.
- Order can be placed via different interfaces such as mobile apps, web, dedicated terminal as well as counter service.
- Allow customer to set the pick up time slot.

Benefits

- Enable customer to set pick up time slot to avoid queuing (less queuing more shopping or working)
- Easier, quicker and more convenient menu browsing via Mobile platform
- Attract small and medium size ethnic food stalls by providing end to end service
- Enable food vendors to take maximum amount of orders at any one time due to availability of different ordering interfaces (Web / Mobile Apps / terminal/ counter service)
- Platform for effective marketing and offers
- Reliable and efficient service for both food vendors and customer
- Improves food court cash flow management



System Overview

FCMS

Food Shop	Menu	Location
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <div style="display: flex; justify-content: space-between;"> Food Shop Name Menu </div> <div style="font-size: 8px;">Food Shop Cuisine Type Location</div> </div>		
<div style="border: 1px solid #ccc; padding: 5px;"> <div style="display: flex; align-items: center;"> <div> <p>Costa</p> <p>Coffee Shop G1</p> </div> </div> </div>		

Web / mobile (Food Shop)

FCMS

Food Shop	Menu	Location
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <div style="display: flex; align-items: center;"> <div> <p>Costa</p> <p>Coffee Shop G1</p> </div> </div> </div>		
Coffee		
Flat White	£ 2.25	+
Cappuccino	£ 2.25	+
Caffe Latte	£ 2.25	+
Americano	£ 2.25	+
Espresso	£ 2.25	+
Tea		
Traditional Tea	£ 2.25	+
English Breakfast Decaffeinated	£ 2.25	+

Web / mobile (Menu)

FCMS

Your Order Summary

Order Number : 23860
 Customer Name : Mr. Smith
 Customer Contact : 0754123658

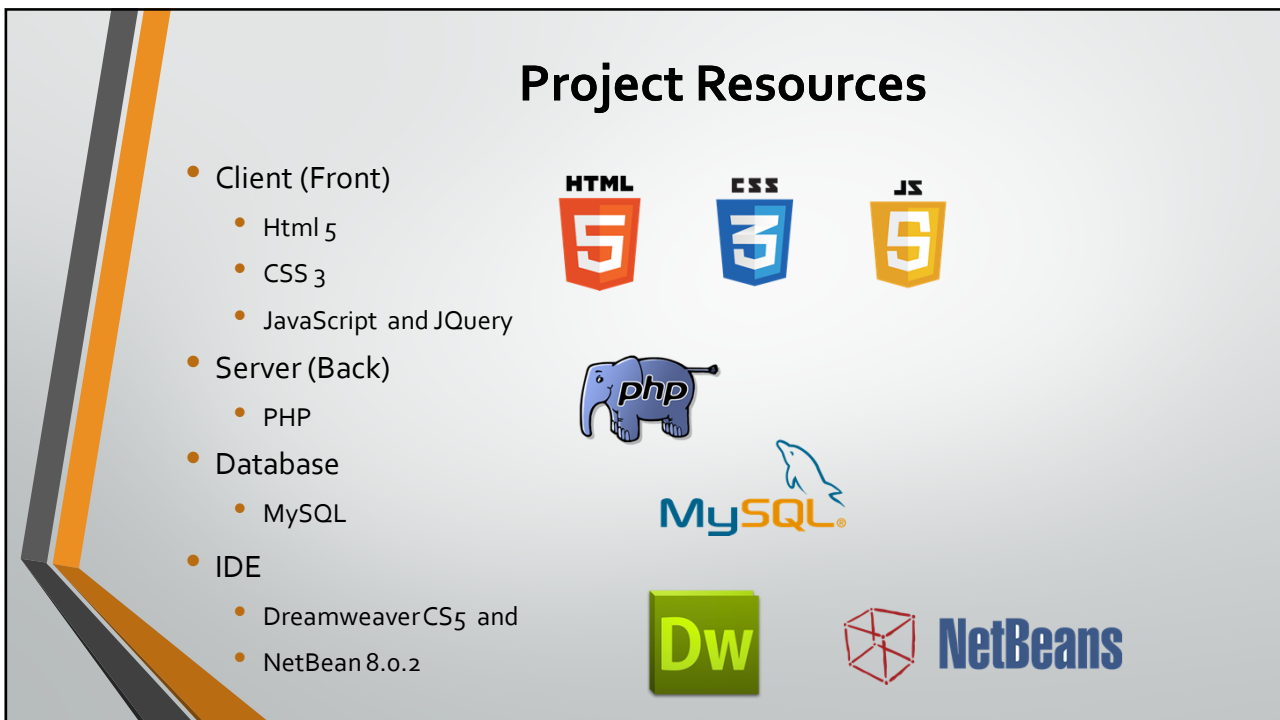
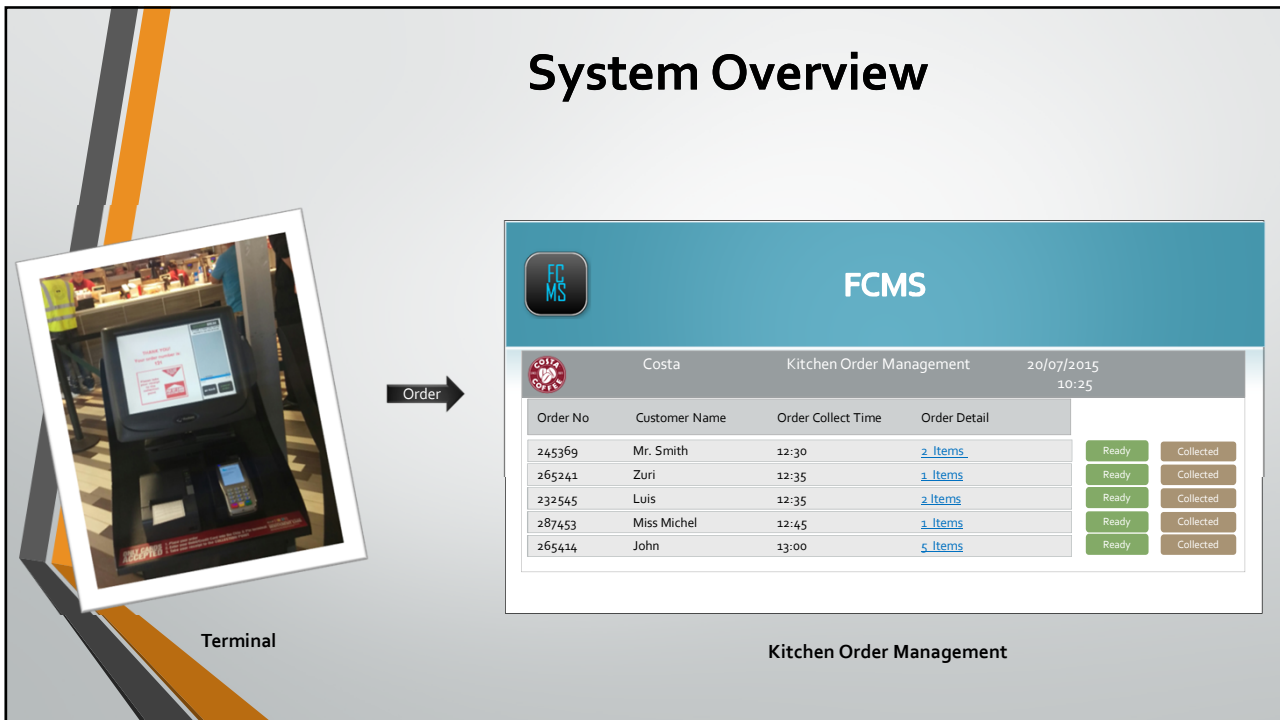
Order Total : 3 Items
 Amount : £10.50

Order Summary

1. Item 1	£3
2. Item 2	£3.50
3. Item 3	£4
Total	£10.5

Collection Time for Today : 12:30

Web / mobile (Order Summary)



Features

Features / Functionalities	Status
1. Requirement Analysis and System Design	Completed
2. Food Court Management System Database Schema	Completed
3. Web Front End User Interface for Food Vendors (Registrations , Menu Entry, etc.)	Completed
4. Kitchen Order Management System	In Progress
5. Web (Mobile Friendly) Front End User Interface for Consumers (Menu Search and Ordering)	In Progress
6. Mobile Apps Front End User Interface for Consumers (Menu Search and Ordering)	Further Improvements
7. Terminal and Desktop Interface (Menu Search and Ordering)	Further Improvements

Thank You.

Question ?

Student : Zan Lin Maung