



Academic Project

M1 - Development

Project presentation

2011-2012

Table of contents

1. PROJECT OVERVIEW	3
1.1 INTRODUCTION	3
2. FUNCTIONAL EXPRESSION	3
2.1. DINING ROOM MANAGEMENT	3
2.2. MENU AND ORDERS	3
2.2.1 <i>Orders placement</i>	3
2.3. PAYMENT	4
2.4. MENU MANAGEMENT	4
2.5. MONITORING	4
3. DELIVERABLES.....	4



1. Project Overview

1.1 Introduction

YouFood inc is a fast growing innovative restaurant chain that offers its customers the possibility to discover various food from around the world. Its philosophy is to pick a country every week and set a menu based on its specialties. As an example, an Indian week would feature special dishes assorted with starters and deserts.

Since the beginning of the company several years ago, business processes haven't evolved from the original brick and mortar: Waiters takes orders from customers directly on paper sheets and these paper sheets are used by the chef and his team to prepare and track orders.

Also, every week, a new menu and new order sheets have to be printed which is a very important loss of time and money for the company.

The company management has come to the conclusion that these methods can't be scaled and always led to mistakes and customer dissatisfaction.

The management wants to setup new business processes based on mobile devices and display screens backed on a fast and reliable IT infrastructure.

They contacted several Tablets and mobile manufacturers that found the concept very interesting as a proof of concept for their products and decided to help YouFood inc to set this ambitious project, providing devices.

Your team has been contacted to design and implement the software part of this architecture.

YouFood wants this new solution to modify deeply the whole ordering process. This project is about day-to-day operations automation, not stock management.

2. Functional expression

2.1. Dining room management

A dining room is divided into zones, each zones containing seats and tables which are placed under the responsibility of a waiter.

2.2. Menu and orders

Customers should be able to order at the restaurant using provided (one per table) tablets devices.

They should be able to choose food from the menu, and to place their order if they want to or can be assisted by a waiter. If they place their order by themselves the waiter must be advised that an order has been placed.

2.2.1 Orders placement

When an order has been placed, it is displayed on the monitor of the kitchen. One of the cooks takes the order and indicates when a dish is ready.



When a dish is ready, the waiter must be advised that the order is ready to be collected.

2.3. Payment

The solution should also be bound to YouFood inc automatic billing service to allow customers to pay from the interactive application using their credit card.

2.4. Menu management

Your solution should also have menu management (Creation/Update/Delete) features to help YouFood inc rotate their menus at will.

YouFood inc has slowly become is a large scale company. All restaurants should get the same version of the current menu. As YouFood inc as no IT background and don't want to hire and maintain a full IT department, they have made it very clear that all the data management should be done externally while being available everywhere with cloud-enabled data storage.

Your solution must provide a menu management system that let YouFood inc employees save, reuse and/or edit existing menus.

2.5. Monitoring

YouFood Inc want to be able to extract and process information from the orders database: They want to be able to track product orders by restaurant and by product type to adjust their marketing.

3. Deliverables

You need to design a solution that addresses YouFound inc needs, regardless of the choosen technology. You're totally free to choose proprietary or free solutions, to use existing bricks or develop everything from the ground.

However, keep in mind that the cost/features ratio of your solution will be a major concern for your customer.

You will present your solution as a working demo during a sale meeting.

