



SOFE 3490: Software Project Management - Lab 2

iPad Restaurant Application

Vraj Shah (100658669)

Anuj Patel (100651964)

Raj Parikh (100655911)

1. Introduction

The topic that our group has chosen is the iPad Restaurant Application. With the rapid development and emergence of new technologies, it's time for the food industry to evolve and implement new technology as well to provide a better experience for customers. Most restaurants use the traditional menu system, where the items and prices are displayed on a screen above the order desk. By switching to an iPad application, restaurants will be able to provide a more personalized and convenient method for customers to order food. The application will provide customers with item names and pictures, ingredients, ratings, and prices, while also allowing them to place orders. This approach is much better than the traditional menu system, as customers will have access to the pictures of each item as well as ingredients in case they have any inquiries.

2. Objectives

- Save cost - by having ipads, restaurants/hotels would not have to hire many people to take orders from customers
- More description - Customers would be able to see the picture and description of every item in the menu
- Ratings - Customers would be able to rate and even see ratings from other customers for each item
- Faster Checkouts - Since this feature cuts down the waiting lines, you can skip to ordering right from the ipad.
- Less miscommunication - Since customers would no longer be talking to an employee, there would be no issues of ordering the wrong item.
- Customer Attention - Most restaurants use old system of ordering food through an employee or by waiting in a line, this new feature will be an objective to attract new employees.
- Security - Since Ipad consists of a sandbox security mechanism which is difficult to hack, this feature will capture the trust of the employees when they pay for their food and enter confidential information.
- Costs - Keep costs to a minimum by making efficient database designs to provide customers with real-time information regarding the menu

3. Measure of Success:

- A database on a server which is secured
- The information should be retrieved instantly for customers to place their orders
- To store the information about the restaurant catalog and the description of each food item in the restaurant, along with the correct pictures and ingredients
- For the payment system, the ipads take both paypal and stripe which are user friendly payment platforms for many clients and they take up to almost any type of credit/debit cards
- Partnered restaurants will have access to the database to update information such as items, prices, descriptions, pictures, and ingredients
- After each payment, the customer is promoted to a survey where they state which type of system would they prefer (old style or iPad)

4. Infrastructure

- Cloud server to store restaurant databases
- A secure database to store login/sign-up credentials for each restaurant to keep customer information private from other customers
- An iPad application that displays menu information for each restaurant
- Payment system memberships from vendors such as paypal and stripe