FOOD COURT MANAGEMNET SYSTEM REQUIREMENT ANALYSIS

A thesis submittedin partial fulfilment of the requirement for the lab of ADVANCED SOFTWARE ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE UNIVERSITY OF KARACHI

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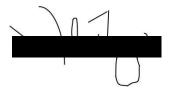
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TABLE OF CONTENT

1.	Introduc	etion	
	1.1 Pu	rpose of the document	3
	1.2	Readers of SRS	3
	1.3	Product Scope	4
	1.40 ^x	verview of the document	4
2.	Method	ology and Techniques	
	2.1	Methodology	5
	2.2	Techniques	5
	2.3	Tools and resources	5
	2.4E	valuation method and tetsing	6
3.	General	Description	
	3.1	Functionality (functional requirements)	6
	3.2	User and characteristics	6
4.	Environ	ement Of The System	
	4.1	Operating system	
	4.2	Language	7
5.	General	Constraints And Dependencies	
	5.1D	esign and implementation constraints	7
	5.2	Assumptions and dependencies	7
6.	Require	ments (non-functional)	
	6.1	performance requirements	8
	6.2	safety and security requirements	8
	6.3	others	8
7.	Comple	te Tools Details	
	7.1	Analysis tools	9
	7.2	Project management tools	
	7.3	Deesign tools	
	7.4	Database management tools	
	7.5	Documentation tools	10
8.	Related	Work	13
9.	Results	And Conclusion	14
10	. Refere	ences, Books, Relevant links	14
11	. Comp	lete Design Phase	15
12	GUI		18
	-		

FOOD COURT MANAGEMENT SYSTEM

1. Introduction

1.1 Purpose Of Document

This SRS is for (food court management system). This document presents a detailed and enriched explanation of the objective, features, user ,interface and application of restaurant management system in real life. It will also describe how the system will perform and under which it must operates. The document conclude both the functional and non-functional requirements. This document provides following

The docu ollowing	ment conclude both the functional and non-functional requirements. This document
	A description of the environment in which the application is expected to operate.
	A definition of the application's capabilities.
	A specification of the application's functional and nonfunctional requirements.
1.2	Readers of SRS
	Readers of SRS types of srs readers are as follows
	types of srs readers are as follows
The	types of srs readers are as follows Stake holders
The	types of srs readers are as follows Stake holders Designers
The	types of srs readers are as follows Stake holders Designers Testers
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1.3 Product Scope

This system will help to manage the restaurant system systematically.it is a mobile based application which will allow the user to

 $\hfill\Box$ The customer can use the app to order food

	Customers can also make payment via POS
	Customers can also see the calorie chart along with the food to be aware of their caloric intake
This a	pp will provide following benefits to the owner
	Due to the app all the system is online ultimately less hire of waiters All the information about expenses and profit is saved in the system Admin/owner is aware of all the important stuff.
	•

1.4 Overview Of The Document

The rest of the SRS examines the specifications of the Food Court Management System in detail. Section 2 of the SRS presents the general factors that affect the FMS and its requirements, such as user characteristics and general constraints. Section 3 outlines the detailed, specific functional requirement, non-functional requirement and other related requirements.

2. Methodology And Technique

This phase of the document contains all the details about methodolgy and the techniques used in the document.

2.1 Methodology

The methodolgy used in th preparation the document is **JAD(Joint Application Developme)**

2.2 Techniques

The technique used in preparing the system is the most common, widely used and popular which is **waterfall.**

2.3 Resources and Tecnology

The tools and resources used in the development of the system,

☐ Visual studio 2103 as IDE

Front end tecnology

The interface is completely GUI based. The front end of the system would be a mobile application.the system is developed on language called **C#**.

Back end tecnology

For the back end we have use MYSQL database for storing and retrieval of data.

2.4 Evaluation Method And Testing

The evaluation and testin methods are described below.

☐ Unit testing

☐ System testing

☐ Integeration testing

☐ Security testing

☐ Acceptance testing

3. General Description

	management system will help the owner of the restaurant to manage it more l efficiently by
	mputerizing meal ordering ling and Inventory control
guide the owner to	process transaction nad stores resulting datareports will be generated from these dato make a ppropiate decisions for the buisness. The whole management system is eneral COMPUTERIZED DIGITAL RESTAURANT.
3.1 Funct	ionality (Functional Requirements)
	Food order via app Take order Serve food Payments Available goods Required goods Customer information Customers review
	and Characteristics are five basic actors and 1 co-operating system.
	Customer/Client (order food) Chef (cook food and tell the system) Waiter (deliever it to the right table) Cashier (collect the amount) Admin (edit price ,total earning and expenditures)

4. Environment Of The System

The environment of the system contains operating system and language used for develop the application.

4.1 Operating System

Minimum	windows	Victo	$\mathbf{V}_{\mathbf{n}}$ for	or hattar	environment	1100 7	QQ1	10
WIIIIIIIIIIIIII	willdows	vista,	$\Delta p r$	of Detter		use /.	0,0.1,	10

4.2 Language

C#

5. General Constraints And Dependencies

The general constraints ,assumption,dependencies of the system are as follows.

5.1 Design And Implementation Constraints

There are some constraits which cost more than than the system if these constraints can overcome the system perform the best.

overco	ome the system perform the best.
	IOS app and WINDOWS app Information flow or data flow can be more effective Faster server system such as LINUX
5.2	Assumptions And Dependencies
	 ☐ If the system have run on windows and ios then more customers can be benefitted ☐ If there are some more tablet so every one can be benefitted ☐ For more security CCTV cameras can be used

6. Regirements (Non-Functional)

The non fuctional requirements include performance, behaivoral, security and licensing rrequirements

6.1 Performance Requirements

The performance requirements of the system are as follow

The product will be based on the local server
The product will take initial load time
The performance will depend upon hardware components

	 Payment system is faster and secure through POS Different database for employees.
6.2	Safety And Security Requirements The safety and security requirements are as follows
	 □ The source code devveloped for the system shall be maintained in configuration tool. □ The whole system is secured and only admin can acess the data □ The system will use HTTP. □ The system will use secure POS.
6.3	Others The other requirements are
	 □ Licensing □ Legal copyright,other notices □ Applicable standards
7.	Complete Tools Details This section of the document gives the complete details about the different typs of tools for eg. Analysyis tools, documentation tools, design tools, database management tools.
7.1	Analysis Tools There are various analysis tools trending in market like.
	 □ Structured diagrams □ Flow diagrams □ Case tools
	The tool we used in our project for analysis are
	□ Use-case daigram□ Visual paradigm
7.2	Project Managemant Tools There are various project management tools used in the market like.
	☐ Ms project☐ Gant chart

	□ Pert chart□ Logic network
	The tools we used in our project is
	□ Pert chart□ Ms project
7.3	Design Tools The design tools that are trending in market are.
	☐ Ms Visio☐ Visual Paradigm
	The tools we have used in project is
	☐ Visual paradigm
7.4	DataBase Management Tools The database Management tools that are widely used in market are. Oracle database Firebse Mysql Ms access Ms excel
	The tool that we have used in our project is
	□ Ms access
7.5	Documentation Tools The documentation tools that are widely used and the most popular are .
	 ☐ Ms word ☐ Google docs ☐ Notepad
	The tool that we have done the documentation of our peoject is
	□ Ms word

8. Related Work

TossDown

Toss down is the brilliant food guide app if one wants to go out and and eat.it is fin option to fiind different types of menus in one place.the site also features special tips, reviews and pictures share by the customers.

SuperMeal

Super meal is the portal for order online food.it has all the regular feature like menus ,reviews etc.

EatOye!

It is a recent startup that got acquired by rocket internet few months ago.this special app also helps you to find out the nearby restaurants.

Olaround

It is an app that rewars combine check ins with rewards ponints. This smartphone sloyality app lets you find ythe restaurant and avail discount and deals.

9. Results And Conclusion

We personally think that with the advancement in the technology people tend to get more and more comfort and ease in their lives and when it comes to the food people are concious about the service as well as quality

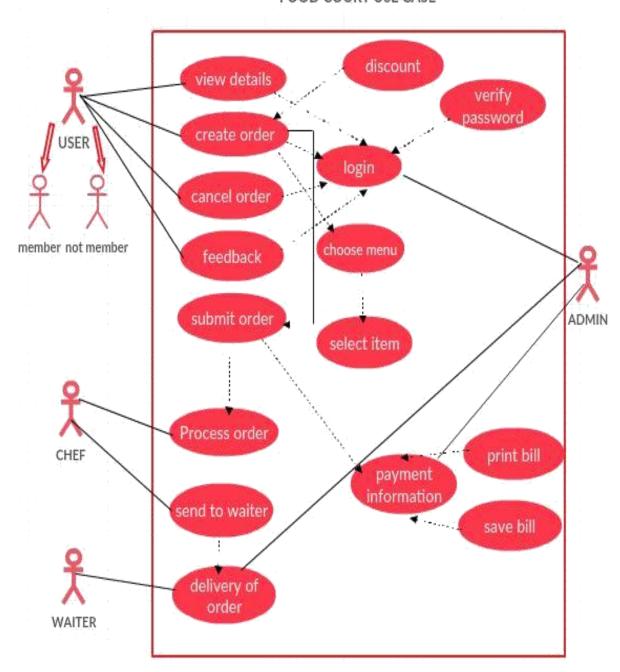
This app lets the customer to search the food, order the food and get the food in the quickest way possible .

This app also let the customer to run the buiness successfully.we strongly believe that this app will facilitate both the customer and the owner in the best way possible

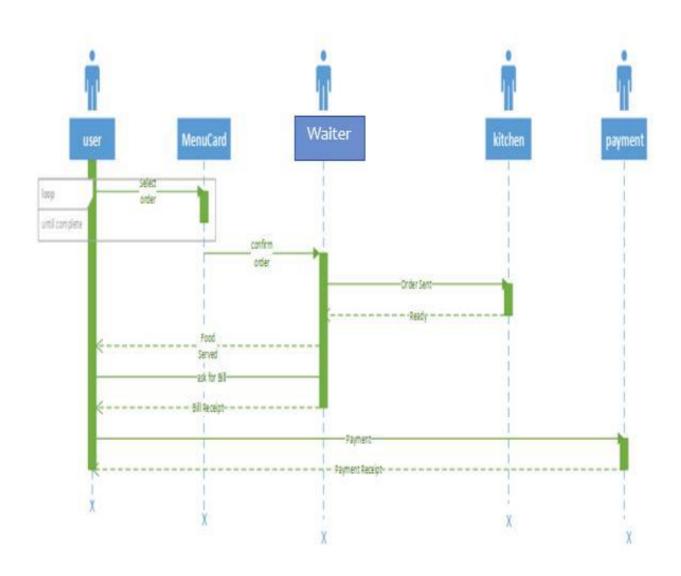
10. References, Books, relevant links

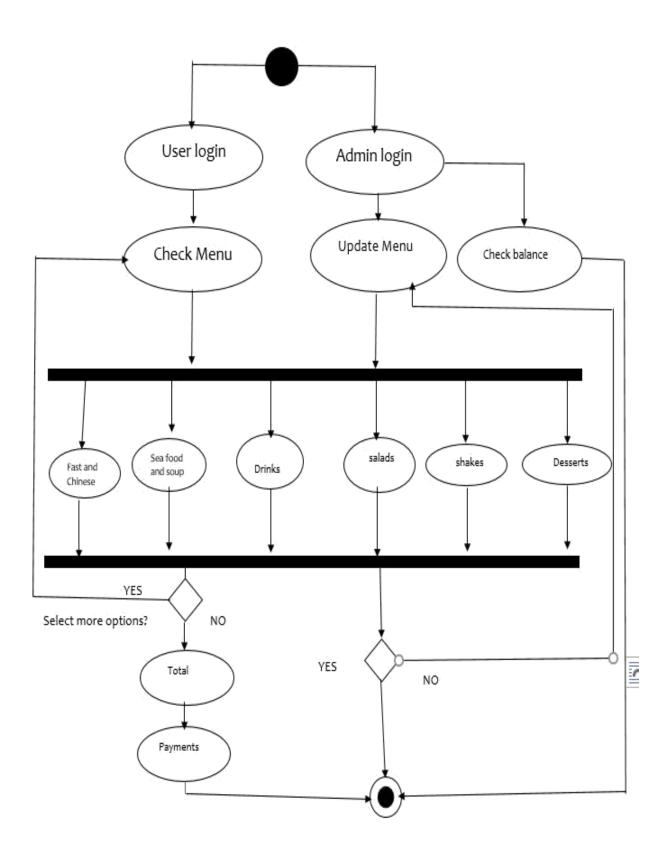
- www.slideshare.com
- www.wikipedia.com
- www.youtube.com
- □ www.quora.com
- ☐ Visual c# how to program
- ☐ Learn about restaurant management system

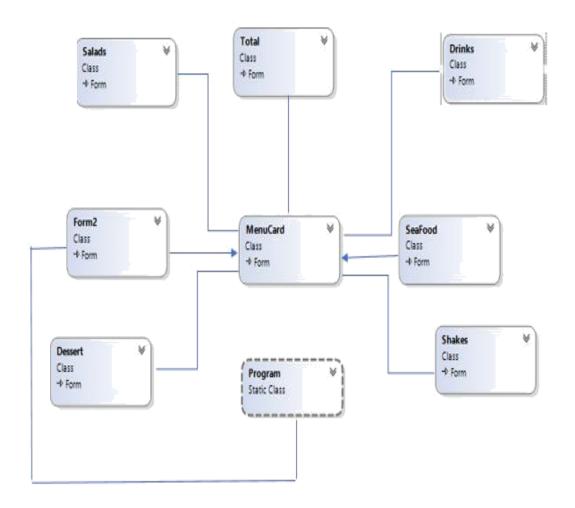
FOOD COURT USE CASE



SEQUENCE DIAGRAM:







GUI:











