Software Requirement Specification

For

Online Food Order System

Version 2.0

Table of Contents

Revision History

		Reason for change
SRS_Food_1.0	**28- July- 2016**	User profile, Functional requirement, non-functional requirement, Use case
SRS_Food_2.0	**29-July- 2017**	Storyboard, database design, requirement traceability

Chapter 1

1.1 Introduction

The purpose of this document is to describe the online food order system (OFOS) product with the release number 2.0. This document contains the functional and non-functional requirements of the project and also user profile, use case, database and storyboard. This document contains the guidelines for system engineers and designers to start working the project.

1.2 Scope

- OFOS product is basically a mobile app which will allow customers to order food using their mobile phones.
- This project is developed as a course project of "SWE121: Requirement Analysis & Design".
- OFOS can be used for any hotel or restaurant from where customer can order food from any place of the hotel/ restaurant.
- From secondary users' point of view, manager can check the list of food ordered by customer.

1.3 Overview

- Chapter 2 describes both primary and secondary user profile
- Chapter 3 shows the list of functional and non-functional requirement including mind-map and requirement prioritization.
- In chapter 4, use case diagram was provided
- Chapter 5 displays the storyboard
- Chapter 6 labels the database of the system
- Chapter 7 contains requirement traceability matrix.

Chapter 2

2.1 User profile: 1

User Class: Customer	**Characteristics**	**Requirement Implied**
User type	Primary	Must give input
Age range	18-65	Minimal Design
Number of users	Unlimited	Bandwidth should be high
Education	N/A	Simple interface
Language Skill	English	Simple English
Computer/ Mobile Knowledge	Yes	Type option or Touch
Training	Not required	Not required
Goal	To order food	Must see food picture and price to give order. Location will come automatically.

2.2 User profile: 2

User Class: Manager	**Characteristics**	**Requirement Implied**
User type	Secondary	Must see output
Age range	35-40	Minimal Design
Number of users	2	Bandwidth should be normal
Education	Higher education	Simple interface
Language Skill	English	Simple English
Computer/ Mobile Knowledge	Yes	Only type or click option
Training	Required	2 days training will be provided
Goal	To see food order	Must see food picture, overall order and customer location.

Chapter 3

3.1 List of Functional requirement

3.1.1 Functional requirement: Customer

Requirement ID	FR.C.1
Requirement Name	Select Location
Description	Customer can select location

Requirement ID	FR.C.2
Requirement Name	Select Food
Description	Customer can select food

Requirement ID	FR.C.3
Requirement Name	Select Quantity
Description	Customer can select quantity of the food

Requirement ID	FR.C.4
Requirement Name	Place order
Description	Customer can place the final order

3.1.2 Functional requirement: Manager

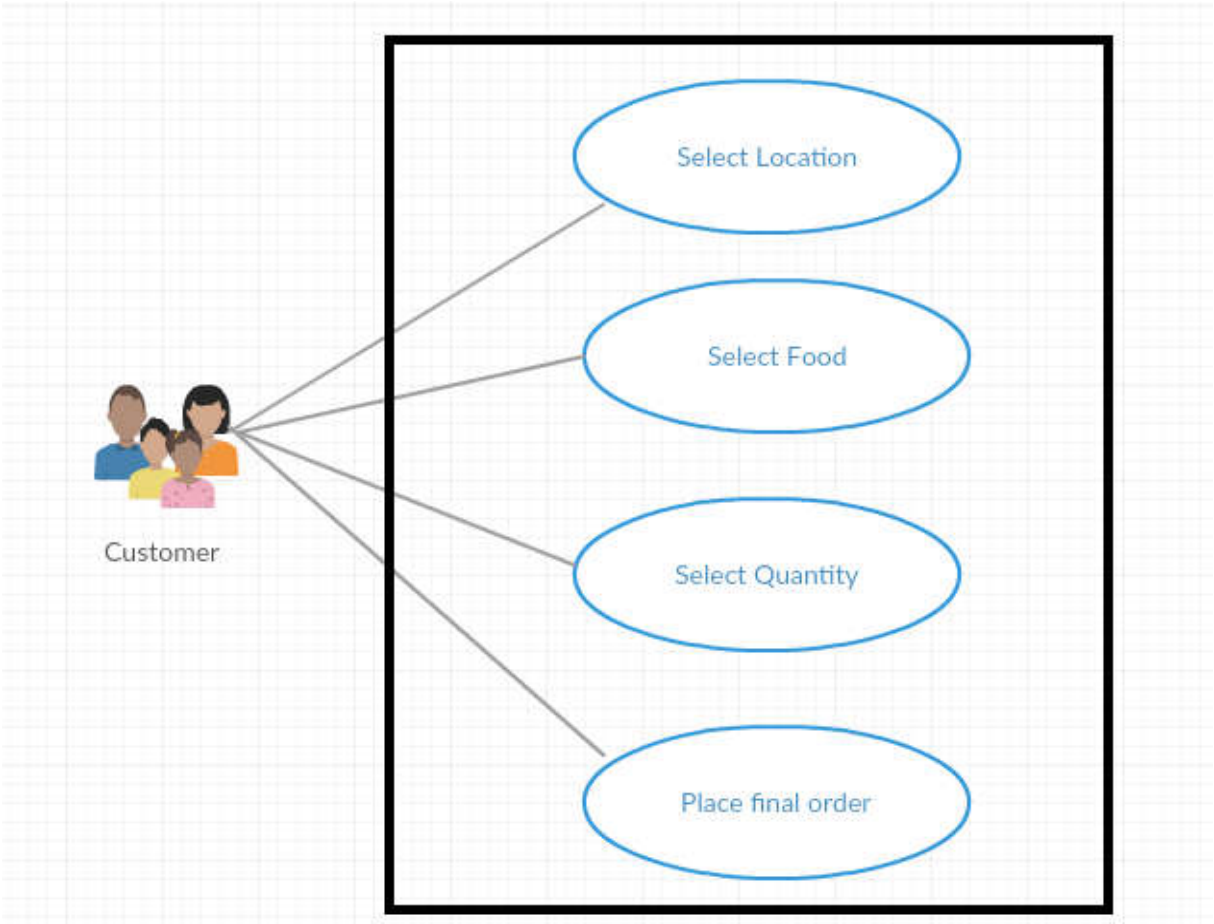
Requirement ID	FR.M.1
Requirement Name	Log in
Description	Manager can log in using user name and password

Requirement ID	FR.M.2
Requirement Name	See all the instant orders
Description	Manager can see all the orders

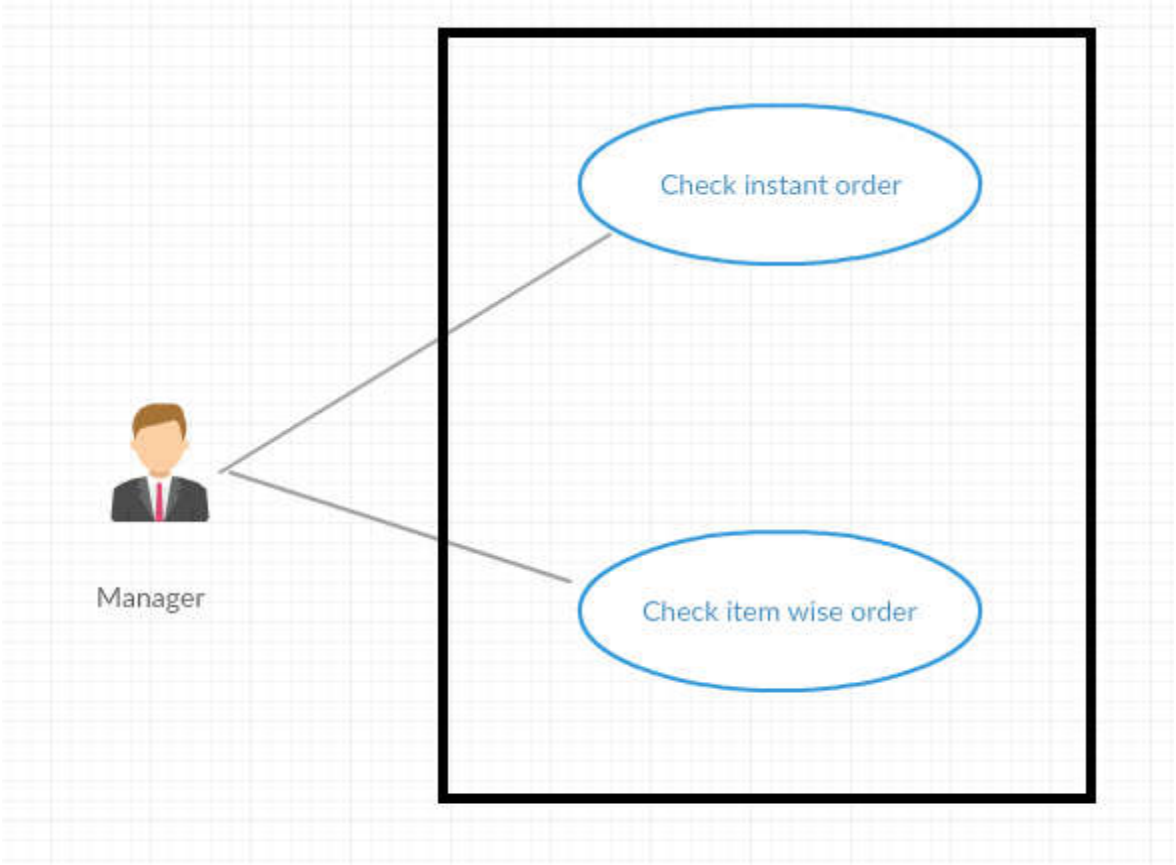
Requirement ID	FR.M.3
Requirement Name	See different reports
Description	Manager can see all the orders by different queries

Chapter 4

4.1 Use case diagram: Customer



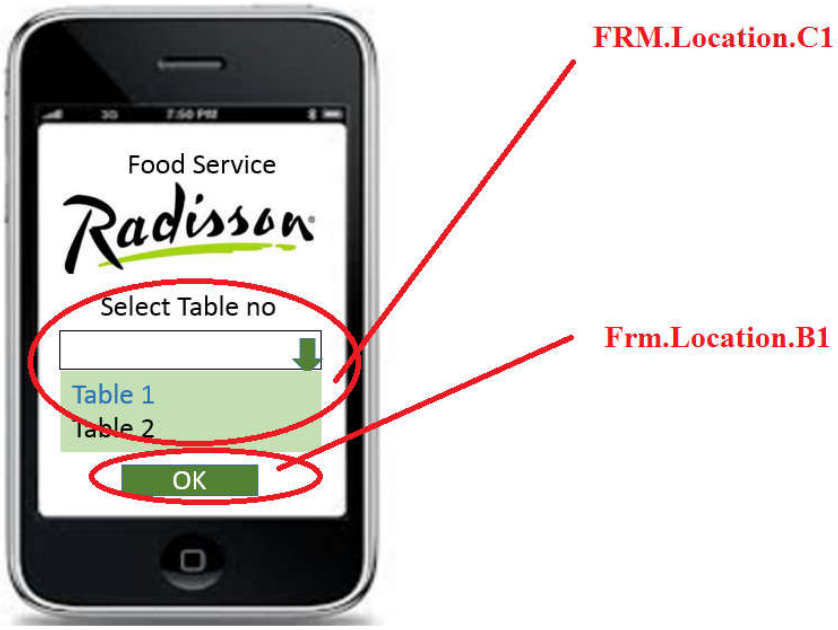
4.2 Use case diagram: Manager



Chapter 5

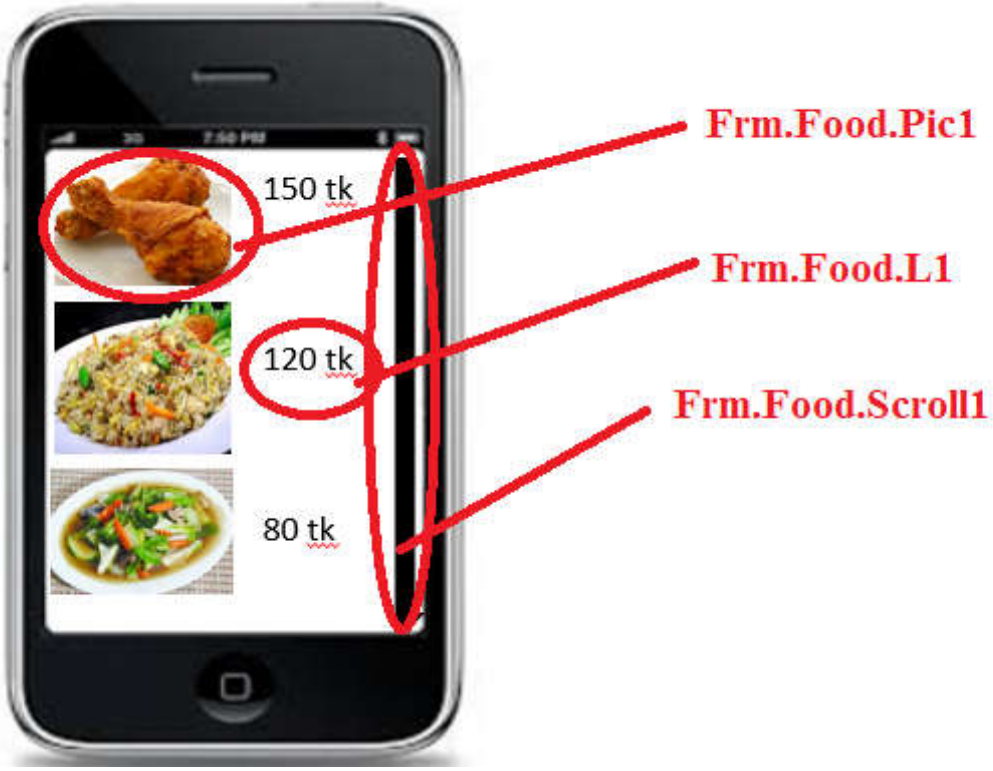
5.1 Storyboard Customer

5.1.1 Select Location



Objects	Purpose	Validation Criteria
Frm.Location.C1	This combo box will be used to select the location where customer is sitting.	Customer cannot select any location which is not available in the menu.
Frm.Location.B1	Customer will click this to go to next page	In one click, the next page will be activated.

5.1.2 Select Food



Objects	Purpose	Validation Criteria
Frm.Food.Pic1	This Picture box will contain food picture	Customer will only touch or click to the picture. All food picture must be available
Frm.Food.L1	This label will have the price of that specific food	The label should be static. Customer cannot change the price.
Frm.Food.Scroll1	Scroll will be used to navigate up-down	Scroll must be flexible from the menu start to end. When menu items are complete then scroll should be stop.

5.1.3 Select quantity

Objects	Purpose	Validation criteria
Frm.quanty.Pic1	This picture will contain the food picture that customer selected	This picture should be static and no action when customer will click.
Frm.quanty.L1	“Insert Quantity”	Static label
Frm.quanty.T1	Customer can input the quantity in this box	Customer can simply put number, any alphabet or other symbol will be invalid
Frm.quanty.B1	This button will save the data	If customer click once or press once then data will be saved

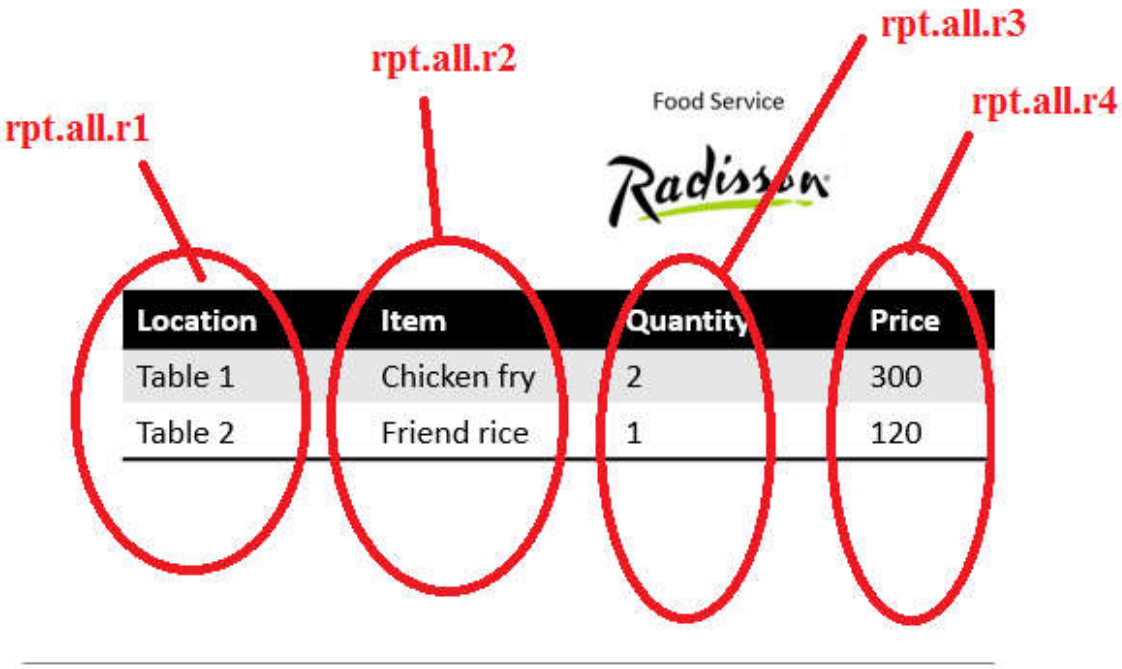
AND SO ON……

5.2 Storyboard Manager

5.2.1 Log In

Objects	Purpose	Validation criteria
Frm.Log.T1	In this text box manager will input his user name	No space between user name
Frm.Log.T2	In this text box manager will input his user name	Password should be more than 6 characters
Frm.Log.B1	If manager click this button, system will check the user name and password. After valid log in new window will open for report.	Function can be activated only in one click.

5.2.2 View report



Objects	Purpose
Rpt.all.r1	This report will show the location from where the customer ordered
Rpt.all.r2	This report will show the items which the customer ordered
Rpt.all.r3	This report will show the quantity of any item that customer ordered
Rpt.all.r4	This report will show the overall payment received by manager

Chapter 6

6.1 Location Table : tbl_tables

6.1.1 Structure

Fields	Data Type	Constraints
Serial	Auto Number	It will start from 1
Location	Text	From table 1 to table 10 as restaurant does not have more than 10 tables.

6.1.2 Example

Serial	Location
1	Table 1
2	Table 2
3	Table 3
4	Table 4

6.2 Food Table: tbl_food

6.2.1 Structure

Fields	Data Type	Constraints
Food_ID	Auto Number	It will start from 1
Food_Name	Text	The names will be provided as per restaurant menu
Picture	Text	All pictures must be uploaded in a single folder
Price	Numeric	Price will be provided as per restaurant menu.

6.1.2 Example

Food_ID	Food_Name	Price	Pciture
1	Chicken Fry	150	D:\Daffodil 2016\SWE 121\chicken.jpg
2	Fried Rice	120	D:\Daffodil 2016\SWE 121\fry.jpg
3	Vegetable	80	D:\Daffodil 2016\SWE 121\veg.jpg

6.2 Order Table: tbl_order

6.2.1 Structure

Fields	Data Type	Constraints
Order_ID	Auto Number	It will start from 1
Location	Text	Location will appear from **Frm.location.C1**
Food_Name	Text	The names will appear from **Frm.quanty.Pic1**
Quantity	Number	Quantity will appear from **Frm.quanty.T1**
Total Price	Numeric	Price will be appear from **Frm.food.L1 * Frm.quanty.T1**

AND SO ON……

Chapter 7

Traceability Matrix

Serial	Functional Req	Trace
1	FR.C.1	Frm.Location
2	FR.C.2	Frm.Food
3	FR.C.3	Frm.quanty
	SO ON….	