Title:- SpiceBox (Tiffin Service)

Aim: SpiceBox will be used by providers of Tiffin services and its customers. Customers and providers will be interacting via this application.

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**1.Introduction**

SpiceBox provides an easy and efficient access to customers for booking their meal and to providers for managing their orders.

**1.1 Purpose**

SpiceBox will be used by providers of Tiffin services and its customers. Customers and providers will be interacting via this application. Providers will be able to manage orders of its customers.Cutomers will be able to view the menu and book accordingly.

**1.2 Scope**

The application will automate the management of orders placed by the customers. The application provides services to customers to book their meals from anywhere. The application contains information about the tiffin providers available in different cities. It also keeps records of providers across a particular city and their customers.

**1.3 Definitions ,Acronyms and Abbreviations**

GUI stands for Graphical User Interface.

SRS stands for System Requirement Specification.

**1.4 References**

KlicknEat Tiffin

Tiffindaddy.com

GoodTiffin

developer.android.com

**1.5 Overview**

In the first phase, SRS gives general view of what the application does. In the next phase, it gives an overview of the functionality of the application. It describes the informal requirements. Both sections of the document describe the same software product in its entirety, but are intended for different audiences and thus use different language.

**2. The General Description**

**2.1 Product Perspective**

- It allows the customers to search providers' details.

- It allows the customers to manage the order.

- It allows providers to manage their customers' order.

**2.1.1 System interfaces**

System doesn't require any external API.

**2.1.2 Hardware Interfaces**

1) Cell Phone

**2.1.3 Software Interfaces**

1) Operating System:Android (Jellybean and above)

2) Developing Tools: Android Studio

3) Database: Mysql

**2.1.4 Communications Interfaces**

System uses web-based Communication.

**2.1.5 Memory Constraints**

1) Processor: Dual-core 1.2 GHz and above

2) RAM: 1 Gb

3) Hard disk: 8 GB

**2.1.6 Operations**

Provider: Add/Remove/Update/View customers' orders.

Customers:View/Book/Cancel/Update their orders.

View Providers.

**2.1.7 Site Adaptation Requirements**

You have to install any one of the Operating System, SQL server 7 and IDE (Android Studio) for developing SpiceBox.

**2.2 Product Functions**

1) Application should be able to manage all providers and their details.

2) Application should be able to manage all the customers.

3) Application should allow providers to manage their orders.

4) Application should allow customers to manage the order they have placed.

**2.3 User Characteristics**

The user should have the basic knowledge of operating cell phone and should be comfortable to use general purpose applications on cell phones.

**2.4 Constraints**

Any updated values regarding customer and providers should be recorded correctly with correct value in to database.

**2.5 Assumption and Dependencies**

It has been assumed that latest version of OS installed is Windows 8.1

**3. Specific Requirements**

**3.1 Functions**

R.1 Application should allow providers to get registered.

Input: Customer's details

Output: Registered customer.

R.2 Application should allow customers to get registered.

Input: Customer's details

Output: Registered customer.

R.3 Application should allow customers to log in.

Input: Customer's username,password

Output: Customer gets logged in.

R.3 Application should allow providers to log in.

Input: Provider's username,password

Output: Provider gets logged in.

R.4 Application should allow customers to search providers.

Input: City Name

Output: Providers' list

R.5 Application should provide customers the Booking facility of meal.

R.5.1 Application reads the customers details.

Input: Customer's details.

Output: Provider's and their menu details

R.5.2 Application books the meal of customer.

Input: Customer and its order Details

Output: Order Details.

R.6 Application should provide customers the cancellation facility of meal.

R.6.1 Application reads the customers details.

Input: Customer's details.

Output: Customer's order

R.6.2 Application cancels the meal of customer.

Input: Customer and its order Details

Output: Cancellation Details.

R.7 Application should provide customers the updation facility of meal.

R.7.1 Application reads the customers details.

Input: Customer's details.

Output: Customer's order

R.7.2 Application cancels the meal of customer.

Input: Customer and its order Details

Output: Updation Details.

R.8 Application should provide providers to view customers' orders.

R.8.1 Application reads the provider's details.

Input: Customer's orders.

Output: Customer's order

**Key Concepts Learnt**

custom adapter

spinner

activity redirection management

usefulness of web services