

# **Fast Food Billing System**

## **Software Requirement Specification**

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## **1.INTRODUCTION**

The Billing System is a mandatory requirement for any product selling business. Fast Food billing system is one such software that is developed for food businesses. It is an user friendly software that makes billing easy and generates a payslip to the customers. It can be accessible only by employees of that particular food center, they perform instant calculations of the total bill and give bills to the customers.

### **1.1 Purpose**

The project “Fast Food Billing system” is an application to automate the process of ordering and billing of any food centers .This document is the 1 version of software requirement specifications for the product FAST FOOD BILLING SYSTEM (FFBS) 1.0. The document intends to describe the requirements for FFBS 1.0 as a Stand-Alone System, which handles food ordering & billing for a fast food business.

### **1.2 Scope**

- (1) The application is designed to maintain data related to fast food center admin and employees.
- (2) All food items in those particular food centers.
- (3) Information about fast foods, their costs.
- (4) Billings made by a particular employee.

(5) Information about customer orders, the sales.

(6) Bill generation.

### 1.3 Definitions, Acronyms, and Abbreviations

<b><u>Terms</u></b>	<b><u>Definition</u></b>
Admin	Admin is the one who manages the whole system.
Employee	Employee is the one who uses the system for billing the orders.
Database	Collection of all information monitored by this system.
Software Requirements Specification(SRS)	A document that describes all the functions of a proposed system and the constraints under which it must operate.
FFBS	Fast Food Billing System.

### 1.4 References

The references for the above software are as follows:-

i. [www.google.com](http://www.google.com)

## **1.5 Overview**

Section 1.0 discusses the purpose and scope of the software.

Section 2.0 describes the overall functionalities and constraints of the software and user characteristics.

Section 3.0 details all the requirements needed to design the software.

## **2. OVERALL DESCRIPTION**

### **2.1 Product Perspective**

The Product is developed for the billing of food items in fast food centers.

### **2.2 Product Function:**

1. Login into website
2. Admin manage employee details.
3. Admin add/delete/update food items and their price.
4. Employees take orders from customers.
5. Add to bill.
6. Print the bill.

## **2.3 User Characteristics**

The main user of the system will be admin and employee who is computer literate of various food centers. The employee from that particular food center will log in and make billing accordingly, whereas the admin manages the whole food center.

## **2.4 Constraints**

- i) The system should run on Window XP or Mac os.
- ii) It should be used by an employee, admin at the fast food center. Other people like customers are not allowed to use this package as every fast food center has their own login credentials.

## **2.5 Assumption & Dependencies**

### **2.5.1 Assumptions**

- 1. The code should be free with compilation errors/syntax errors.
- 2. The product must have an interface which is simple enough to understand.

### **2.5.2 Dependencies**

- 1. All necessary hardware and software are available for implementing and use of the tool.

- 2.The proposed system would be designed, developed and implemented based on the SRS document.
- 3.End users should have basic knowledge of computers and we also assure that the users will be given software training documentation and reference material.

### **3. EXTERNAL INTERFACE REQUIREMENTS**

#### **3.1.1 User interfaces**

- The software provides a good interface to the user.Any computer literate can use this software by logging in with their respective id provided by their administrator.It is an user friendly interface.

#### **3.1.2 Hardware interfaces**

- Mouse
- Keyboard
- Printer
- Hard disk
- Ram with memory 256 MB or more

#### **3.1.3 Software interfaces**

- Operating system : Windows XP or any mainstream OS
- Backend : MY SQL Server



### **3.1.4 Communications Interfaces**

- None

## **4. SYSTEM FEATURES**

### **4.1 Fast Food center Management**

#### **4.1.1 Description**

User is provided with a login screen where he is required to enter their id and password. After logging in the user is directed to their respective page, i.e. if admin of the fast food center login then he will be directed to admin page where all employee details, various food items and also the sales done by that fast food center are displayed.

The admin manages the details of employees and the billings done by the respective employee. Admin adds new food items into the database and updates their price if needed. Admin also views the bills history and can delete bills.

The employee handles only billings of orders taken from customers. He can view all food items and add them to the bill, make the total bill including taxes and give to the customer the printed bill for payment.

#### **4.1.2 Validity Checks**

In order to gain access to the system, the user is required to enter his/her correct user id/pin no and password.

if the user is an administrator, he is required to enter his login id in order to access and change the facilities provided by the system.

#### **4.1.3 Sequencing Information**

The information about food items and their updates price should be entered into the database prior to making new billings. And if an employee is added or removed then their information should be entered into the database before they login into the system.

#### **4.1.4 Error Handling**

If the validity checking and sequencing information does not hold true, appropriate error messages will be prompted to the user for doing the needful.

## **5.OTHER NON-FUNCTIONAL REQUIREMENTS**

### **5.1 Performance Requirements**

#### **5.1.1 Capacity**

- The package provides users a 24 hour service.

#### **5.1.2 Dynamic Requirements**

- None.

#### **5.1.3 Quality**

- The overall system is fast and error free.
- The package can handle large amounts of data comfortably.

### **5.2 Software System Attributes**

#### **5.2.1 Reliability**

- In order to ensure reliability, this system is being designed using software that is established to be stable and easy to use.

#### **5.2.2 Availability**

- This system is designed to run 24/7 and be readily available to the user.

### **5.2.3 Security**

- The access to the software is given only to valid operators i.e. admin and employee at the food center. We need a specific username and password to get access to the software.

### **5.2.4 Maintainability**

- None.

### **5.3 Business Rules**

- Only admin and employees have the access to the software

## **6. OTHER REQUIREMENTS**

- None