

**The Ozzy Snacks Bar Online Delivery System**

**Software Requirement Specification (SRS) Document**

**Sprint Implementation 2**

**Project Timeline: 07.09.2022 to 25.09.2022**

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**1. Introduction:**

The introduction of the software requirement specification provides an overview of the entire software. The entire SRS with overview description purpose, scope, tools used and basic description. The aim of this document is to gather, analyze and give an in-depth insight into the complete The Oozy Snacks Bar Online Delivery System by defining the problem statement in detail. The detailed requirements of The Oozy Snacks Bar Online Delivery System are provided in this document.

**1.1 Purpose:**

Main objective of this Oozy Snacks Bar Online Delivery System is to provide users a better and convenient interface to order snacks online. This Oozy Snacks Bar Online Delivery System can also be beneficial in bridging the gap between customer and employee. This project is user friendly menu-based system for customer and employee.

**1.2 Scope:**

This project aims to create a user-friendly online snacks delivery system where user is allowed to buy maximum of three snacks at a time. While ordering snacks customer has to enter the distance and all the order details will be stored in the stack in the descending order of the distance and the delivery will begin. After every order and delivery respective files will updated.

**1.3 Intended Audience:**

* Customer
* Employee

**2. Overall Description:**

This is a menu driven online snacks delivery system that allows user to search through the snacks and buy maximum three snacks at a time. This online snack Delivery System allows the customer to view the availability list of the snacks and shows the option to confirm or cancel the order. All these changes are made in respective files and can be viewed anytime by the employee.

**2.1 User Needs:**

* A detailed snacks description.
* User-friendly Menu.
* Validated product ID.
* Customer has to enter distance.
* Order ID will be generated automatically.

**2.2 Assumptions and Dependency:**

* User has the latest version of Ubuntu Linux installed.
* Client has either an 4GB or more RAM.
* The service is used preferably on a desktop or laptop.
* The customer can buy maximum of three snacks at a time.
* Unique product and order ID.

**3. Detailed Features and Requirements:**

**3.1 Functional Requirement**

**3.1.1. New Order** – It will allow the customer to place an order by entering the product code and it is also required for them to add the distance between their location and the restaurant. Once the order is placed the order ID will be generated automatically. The customer can only order maximum of three snacks at a time.

**3.1.2. Cancel Order** – An option to cancel order after filling all the details.

**3.1.3. Show all Order -** It displays all the order placed and final payable amount for each order to the employee.

**3.1.4. Show Product –** Itwill show all the details of the snacks available to the customer to place an order.

**3.1.5. Consult Order –** It show the details of all the order to the user after entering the order ID.

**3.1.6. Show Delivery -** Ituses stack data structure for the creation of delivery list having all the orders in descending order of distance and then displays delivery list.

**3.1.7. Begin Delivery –** This function allows to remove the top order from the stack at a time, display details, update the appropriate files and display a message showing that delivery confirmation. Once the stack is empty displays the message that all orders delivered.

**3.1.8. File maintenances menu -** This domain is only available only for the snacks bar employees after proper authentication. Employees can edit and delete snacks available in the list.

**3.1.9. Order File -** when the order is placed by the customer the entry is made in the order file. On delivery confirmation the order details are removed from the orders file automatically.

**3.1.10. Order Report -** A report is generated having of all orders of order value > a specific amount.

**3.1.11. Customer Registration** – Function to register customers. Mobile number as an input field is mandatory.

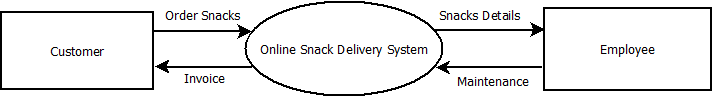
**3.2 External Interface Requirement**

### 3.2.1 Tools to be used:

* C++ language
* C++ file handling
* Linux
* G++ compiler
* Splint
* Cpp unit
* Threads
* Valgrind
* Gcov
* Gprof
* Git
* Cloud System
* IP Address- 34.133.94.211

**3.3 Non-Functional Requirements:**

* **Supportability**: The system is easy to maintain.
* **Design Constraints**: The system is built using only C++ language and Linux
* **Usability:** Online Snacks Delivery portal allows user to buy snacks online and it stores all the details is respective files.
* **Reliability & Availability:** The system is available when the user request for the service.

Level 0 DFD

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