SOFTWARE REQUIREMENTS SPECIFICATION

(SRS DOCUMENT)

For

<ONLINE GAS ORDERING PLATFORM>

<GROUP 6 >

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1. INTRODUCTION

Online gas booking system is used to book a gas at fingertips. In older days, we had to go to agencies and stand in a queue in order to book, but now, technology has made it possible to order at the comfort of your home. Besides, the customer can enjoy delivery services as well.

1.1 PURPOSE

The purpose of this project is to develop a system that allows customers to simply order gas online and allow the agency to monitor customer records and gas deliveries, with the help of some predefined processes.

1.2 SCOPE

We can give more advanced software for online gas ordering system including more facilities.
To make it available to everyone, we can host it on web servers.
Online payments when customer order a gas through this web application.

2. OVERALL DESCRIPTION

2.1 PRODUCT FEATURES

The major features of an online gas ordering system is as shown below:
- ➢ *The system allow users to order gas via the online platform.*
- ➢ *There are several processes involved on the platform, such as issuing an admission book and ordering a gas.*
- ➢ *The client has the possibility to make use of the delivery system or not.*
- ➢ *The solution will assist the client by offering a straight forward user interface for reserving gas online, saving them both time and money.*

2.3 USER CLASSES AND CHARACTERISTICS

-User should have elementary computer knowledge and a prior knowledge of how an online system works.
- The user should have the details of his location, and the kind of gas he/she is making is using.

2.4 DESIGN AND IMPLEMENTATION CONSTRAINTS

- ➢ *Class Diagram*
- ➢ *Use Case Diagram*
- ➢ *Sequence Diagram*
- ➢ *Activity Diagram*

2.5 ASSUMPTIONS AND DEPENDENCIES
- All the customers make use of the delivery services.
- The payment method is online.

3. SYSTEM FEATURES (MODULES)

The System will allow access only to authorized users with specific role. Depending upon the user role, he/she will be able to access only specific module of the system.
- ➢ *User registration*
- ➢ *Login*
- ➢ *View the different gas stations*
- ➢ *Communicate with the vendor*
- ➢ *Placing orders*

> * *Payments*
> * *Delivery method*
> * *Transaction history*

4. EXTERNAL INTERFACE REQUIREMENTS

4.1 SOFTWARE REQUIREMENTS
> * **Star UML**
> * **Enterprise Architect**
> * **Argo UML**
> * **Visio**
> * **Umple**

4.2 MAIN PROBLEMS WITH AN ONLINE GAS ORDERING SYSTEM

> * ***System Updates:*** *With Webmail, you receive updates every few weeks or so but for Email Clients; it can take years for any updates to be released.*
> * ***Accessing email on multiple computers:*** *Some email providers use IMAP, which is ideal for synchronizing between computers. Other Email Clients that use POP access do not have good synchronizing.*

Advantages:

* Makes the ordering system easier.
* Ensures that prices are accurate and there is less room for error when it's time to settle the bill.
* The company can easily keep track of the different sales over a period of time.
* Keeps physical contacts to minimum.
* Less time consuming.

Disadvantages:

* It often happens in phone systems that the line gets busy and users have to wait and keep try for booking.
* Internet access is required to make an order.
* Delivering men put themselves in danger.
* The might be delays from the time the customer makes an order to the time he/she receives the order.

<u>Applications:</u>

- The system can be used in homes, restaurants, baking and the weldering industry