

# Online Gas Booking System

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**Abstract:** *Online Gas Booking System is mainly used to book a gas or cylinder at fingertips. In olden days we have to go agencies and stand in a queue to book a cylinder but now technology has been developed by sitting at home we can book a gas or cylinder and it take few days to delivery. In this paper, customers may book a cylinder at home.*

**Keywords:** Gas Booking System

## I. INTRODUCTION

The goal of this project is to develop a system that would allow customers to simply order LPG gas cylinders online and allow the agency to monitor customer records and cylinder deliveries. There are several processes involved in booking a gas, such as issuing an admission book, going to a travel agency, and then going to the delivery centre. Our method streamlines these steps into a single step. In essence, there are two categories of cylinder users: domestic and commercial.

The proposed method is created to solve the issue with the current gas booking system. Everything in the proposed system is electronic, including the ability to submit new connections, complaints, and refill requests online via the internet. This lessens the issue with the current system's manual record-keeping of customer information and booking information separately. The solution would assist the clients by offering a straightforward user interface for reserving gas online, saving them both time and money.

Managing connection, client, payment, gas, and delivery details is the primary goal of the online gas booking system. Both the administrative end of the project and the customer end have been fully developed. The "Online Gas Booking System" is being created to guarantee a straightforward and secure environment for the customer and the agencies. With the help of this technology, we are resolving a variety of client issues, such as the ability to order a gas cylinder from home without having to visit the agency and wait in line.

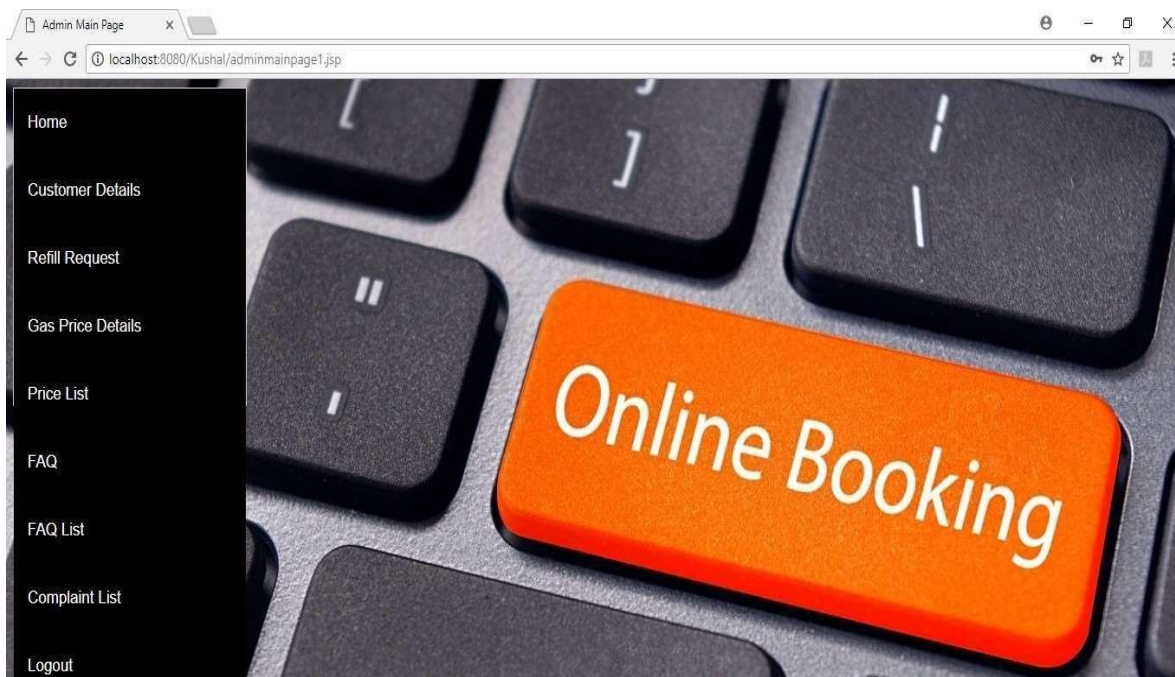
## II. RELATED WORKS

In the same building, maintenance is also carried out. Therefore, we can conclude that the current gas booking system operates electronically in a building, manually with a pen and paper, or by calling companies to confirm a booking. This makes managing the process very difficult because everything is on spreadsheets, files, and binders. Even though everything is on a single system that is not widely used, the same problem would still arise in an offline computerised technique.

Every time a customer needs gas, he or she must visit the agency and submit a request, which is noted individually in a registration file. Next, the last delivery to the consumer is looked up, and the number of days since that date are calculated. Only when the amount of days has passed is the order accepted; otherwise, the order will be declined. Then, a genuine order request is received, and manual billing is carried out. The order has both home and business uses. Based on the aforementioned two categories, billing is completed and a rate is applied.

Then the stock of cylinders is also maintained in manual records. So, while billing this also has to be taken into account and billed. Following this kind of system does not only require a lot of human resources but also budget for maintaining them and stationery required.

### III. RESULT



### IV. FUTURE SCOPE

- We can give more advance software for Online Gas Booking System including more facilities.
- To make it available to everyone, we can host it on web servers.
- Establish a master-slave database architecture to lessen the volume of database requests.
- Online payment when customer book a gas or cylinder through this web application.

### V. CONCLUSION

This proposed system of online gas booking avoid the agency from spending a huge amount of their budget in maintaining the manual records and updating them from time to time. As the customer moves from another city its records can be easily transferred or deleted from the record.

All the operation will become easier as all information that is provided from the system is very reliable and high amount data space is used.

It also influences the user registration for the booking and the transaction process as it has the simple interface for booking the system through which customer can easily book the gas cylinder after that a payment process is also secured.

The determination of system is to provide the user with a simple and secure software which is understandable, easier to store and search the information.