ABSTRACT

Topic: Gas Agency Management System

The Gas Agency Management System will automate the booking processes of the gas agency connection. It will allow a client to book the gas cylinder through the website. The software is very user-friendly so that it provides easy access to the user for availability the facilities.

Users:

1. **Distributor**

    The distributor authenticate through system. Then he will get his home page. In this the distributor having facility like that he can modify his personal information. He can view the online gas connection requests from the consumers. That request will send to Admin. And also he can view the gas booking requests. Along with he will receive transfer request from one location to other location. For further verification and decision purpose these requests send to Admin. The distributor can send feedback to the admin. He can view the reports how many consumers are under his agency.

2. **Consumers**

    Consumer is the registered user. He can login in to the system. After that he can modify his profile if needed. Through this he can book the cylinder. And also he can make a request for to transferring connection from one location to another. He can view the status of his requests.

3. **Administrator**

    Admin is super user of this application. He is owner of this application. The admin will authenticate through system. After that he will perform his functionalities. He will add new agency details; vie the transfer requests send by distributor, update the gas cylinders information agency wise. That is display home page of system. He can view the feedback send by consumer as well as distributor. And also he can view the various reports generated by system like consumers, distributor etc.

Modules

- **Dashboard module (Admin):** It is for store administrator and only he can manage whole website like managing products, customers, orders etc…

- **Dealer Module:** Dealers will supply their products and admin will request for stock updates.
- **Payment module:** Customer can select any payment option that he wish to like credit card or cash on delivery. Customer receives a copy of the shopping receipt once the transaction is successful.
- **Customer module:** Here customer can view his orders and billing records. Anyone can view furniture details but to purchase furniture user need to be registered to the system by entering name, email-id, password etc…
- **Booking Module:** Adding new booking details, Edit the exiting booking details, view all the details of the booking, listing all booking.
- **Reports:** Reports of all connections, Reports of all Booking, Reports of all Customers, Reports of all bills.
- **Return:** Customer return, Agency return
- **Connection:** New connection, Connection Details
- **Stock:** Stock add, Stock details
- **Backup**
- **Login**
- **Restore Details**

Natural System

Currently, a user has to call the distributor to book the gas cylinder. However, to get a new connection a person have to search the gas agency. The agency then verifies the document provided by the user. The verification process is so much time consumes slow and prone to error. The user details are maintained manually on a sheet of paper which is not a secure procedure. The person who has gas connection need to keep a diary in which they note the details of each booking, but if it gets misplace than create a problem.

Designed System

In the proposed gas agency system, we use the internet to provide the gas service at home. The user can book the gas from our system. This project will also display the status of the current booking. If a user wants he/ she can store the information of the booking so that from the next time they can book the gas in one click. The information will be safe as it will need an ID and password to access the system. The gas agency will also maintain the user information through this scheme.

Technologies Used

Front-end: HTML, CSS

Back-end: PHP

Weekly Plan

Creating a module and its functionalities in each week.