

E-GAS SEVA USING SMARTPHONE

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Abstract-The Gas Booking Application automates each and every activity of the manual system and increases its throughput. Thus the response time of the system is very less and it works very fast. The Gas Booking Application provides the users a quick response with very accurate information regarding the users etc. Any details or system in an accurate manner, as and when required. It is very user-friendly interface. Thus the users will feel very easy to work on it. The application provides accuracy along with a pleasant interface. Make the present manual system more interactive, speedy and user friendly. The transaction reports of the system can be retried as and when required. Thus, there is no delay in the availability of any information, whatever needed, can be captured very quickly and easily. Thus by using this application it reduces the cost of maintenance.

Keywords- Gas Booking, User friendly, throughput, response

I NEED FOR THE PROPOSED WORK

The idea behind this project is to develop a system that can be used to automate various processes involved in addressing the service requests of different users, making it more accountable and easily accessible. It should enable the end users to request for services easily and without wasting much of his time. It should also enable the service provider to view all such requests and to notify the users when their requests are met. The system should

be affordable & flexible enough so that it can be easily scaled and deployed at various places. The server processes this information and stores it in a database. The server also hosts a website that enables the service provider to view these requests from any computer that is connected to the internet. Our service nodes are easy to use and can be used even by illiterate masses. Users don't need to enter any information manually as all the required information is stored. Thus by using this Application, user cultivates the method which is utilized to automate several methods present under registering the service application by diverse users and creating it very responsible and simply permitted. This can enable finish costumers to apply for assistances without wasting their time.

II ISSUES IN THE EXISTING SYSTEM

- We need to search the record.
- Cannot maintain the database.
- Need to keep tract franchise, dealers and owners.
- Cannot estimate the delivery the LPG Gas on date.

III ADVANTAGES OF THE PROPOSED SYSTEM

- Daily Order Placed Reports.
- Daily Delivered of LPG Gas Reports.
- Daily Cancelled Order Reports.
- Daily Customer Reports.
- Monthly Dealers and Franchise Reports.

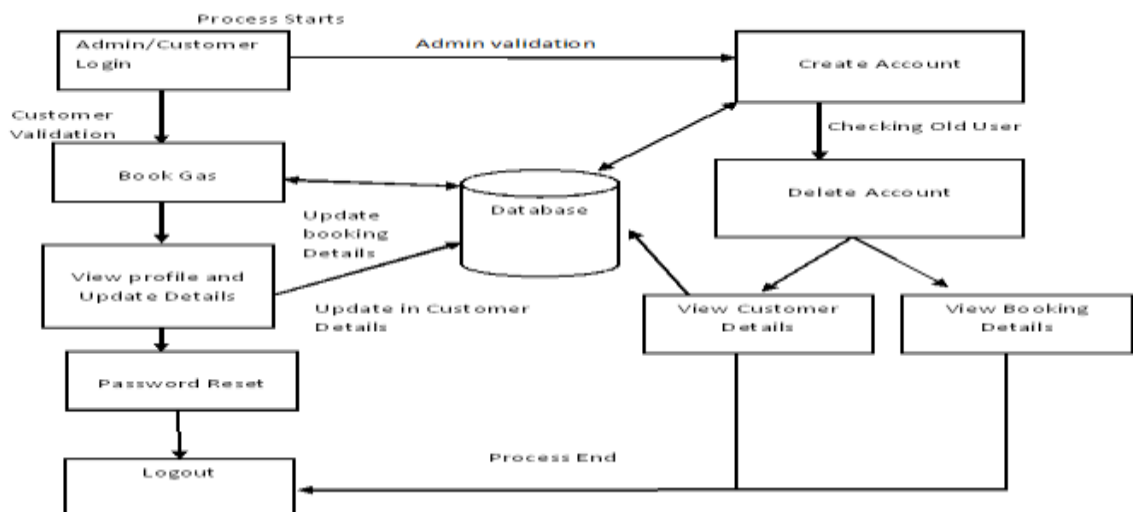
IV BACKGROUND STUDY

Paper Title and Author	Method	Merits	Demerits
ONLINE BANKING AUTHENTICATION USING MOBILE PHONES was developed by X.Fang and J.Zhan and was published at Future Information Technology, 5 th Conference on 21-23 May 2016	Online banking authentication plays an important role in the field of online banking security. In past years, a number of methods, including password token, short message password, and USB token, have been developed for online banking authentication	One time passwords (OTP) are delivered by SMS. Chip Authentication Program for chip-based markets. Risk based authentication.	Mobile phones often lack passwords to authenticate. PIN can be easily determined or bypassed. Mobile phones sometimes are not password enabled.
ONLINE EXAMINATION SYSTEM by W.F. Shan, M.Huang, J.Li, Information Department, Ins of Disaster prevention and Technology, Sanhe, China 2015	The online examination system not only reflects the justification and objectivity of examination, but also releases the workload of teachers, which is accepted by more and more schools, certification organizations and training organizations.	It provides confidentiality and security. Implementation cost is less. Time management. It provides accessibility and flexibility.	There is no functionality present in the system. Inter-communication among users are not available. Server may be crashed often
GAS BOOKING SYSTEM USING RFID READER by Yogita Kshirsagar, Pratiksha Moze, Sayali Gujar, Meenal Jawalkar in 1 Jan, 2014.	This system uses RFID(Radio Frequency Identification) technology. The RFID reader is used	<ul style="list-style-type: none"> • Ease of use • Flexible • Provides security • Automatic gas booking 	<ul style="list-style-type: none"> • High implementation and maintenance cost • May be misused • May consume time • Cannot cancel booking

	to read the unique ID card provided to every customer and books LPG cylinder automatically.		
AUTOMATED UNIFIED SYSTEM FOR LPG REFILL BOOKING by Yogeesh A.C, Ashwini P, Shruthi B.P in 3 May, 2013.	This system uses pressure and gas sensors to detect the level of gas in the cylinder and automatically books the LPG cylinder by providing notification to the retailer and provides booking details to the customers through SMS.	<ul style="list-style-type: none"> • Books automatically using manual effort • User friendly • Automatic SMS sending system • Affordable • Easy to implement 	<ul style="list-style-type: none"> • Difficult to book in advance or book additional cylinder. • Cannot track booking status nor cancel booking. • Difficult to change the details.

V SYSTEM DESCRIPTION

ARCHITECTURE



1 DATABASE The data are well grouped to model relevant aspects of reality in a way that supports processes requiring this information.

2 ADMIN They will be managing the entire system. He responds to request made by the user. Maintains and updates the information in the database. Keeps the information updated.

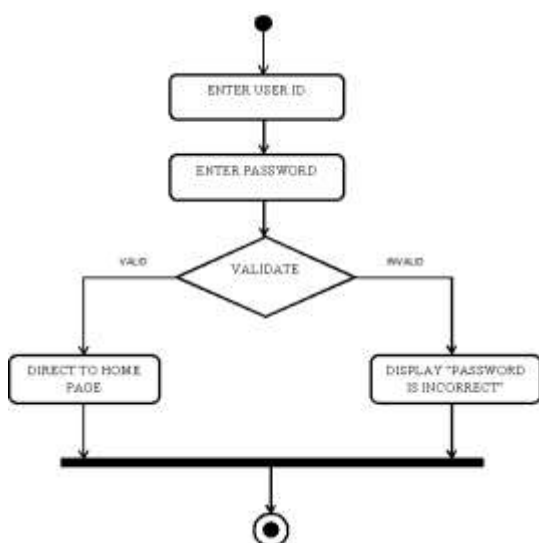
3 DEALERS Dealer represents the gas company to a particular set of customers. They are the intermediate between the admin of the company and the customers.

4 CUSTOMERS Customer views the information about the gas such as its availability and books gas cylinder.

5 SERVERS The server will store all the information updated by the admin. It will have the log in details of all the activities taking place in the system.

MODULE DESCRIPTION

AUTHENTICATION MODULE



The credentials provided are compared to those on file in a database of authorized

users. The user will be directed to the home page if authentication is successful.

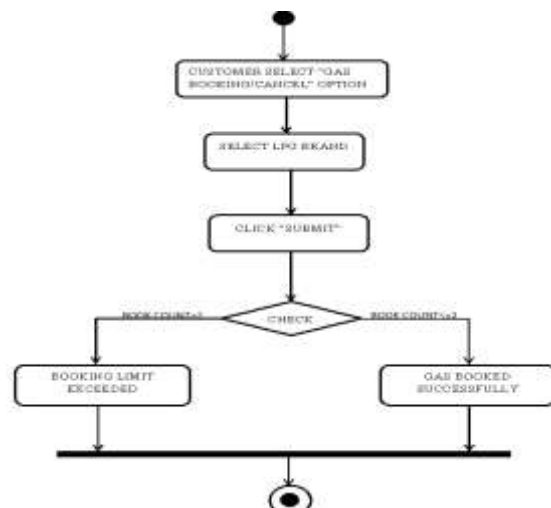
CUSTOMER MODIFICATION MODULE

The admin can add new customer by filling the personal details of customer

The admin can also delete the customer account.



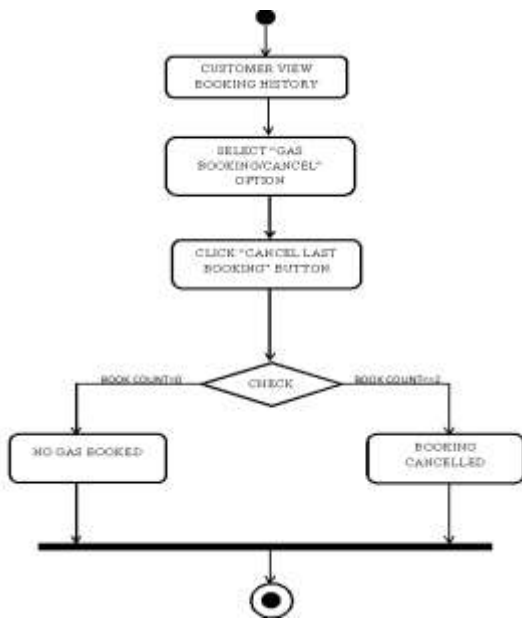
GAS BOOKING MODULE



The customer can book the LPG cylinder only two times per month.

Booking confirmation is provided by means of notification.

BOOKING MODULE



The customer can cancel the last booking in this module.

Notification on cancellation will be shown.

PROFILE UPDATE MODULE

The customer can view and update the personal details.

The customer can also change the password.

CANCELLATION



VI RESULTS AND DISCUSSION

The screenshots provided below are for login, registration, cancellation and booking. The results are based on the automated system so that the user can do everything in his/her Smartphone itself. Since there is a login id the use can do the process in an authenticated manner.

Processing:

Screenshot 1



Screenshot 2

Customer Registration Form:

Name:

Address:

Mobile no:

DOB:

E-mail:

Screenshot 3

Customer Cancellation Form:

Customer ID:

Date :

Screenshot 4

Gas Booking Details Form:

Customer ID:

Customer Name:

Address:

Date Booked:

VII IMPLEMENTATION

AUTHENTICATION MODULE



CUSTOMER MODIFICATION MODULE

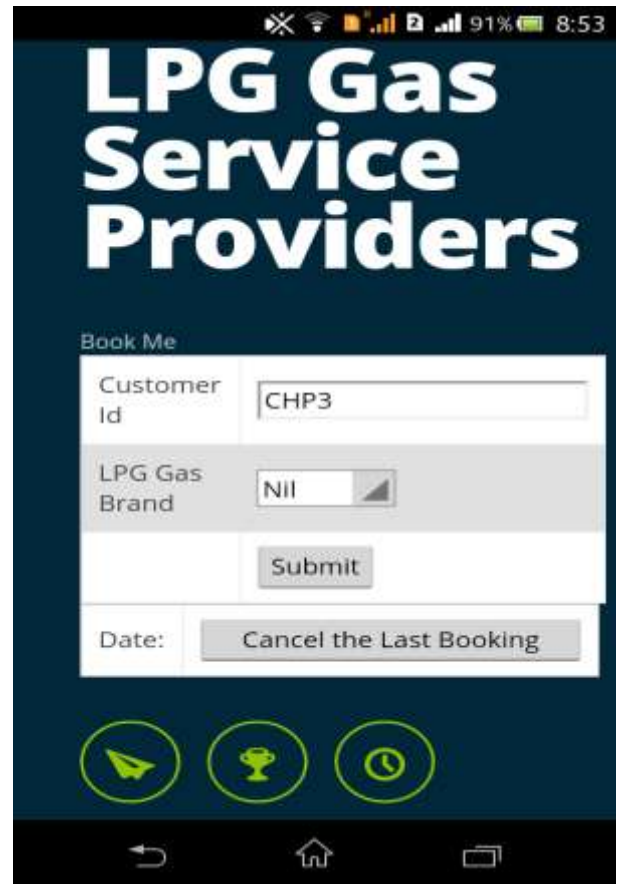


GAS BOOKING MODULE



Customer Id	Customer Name	Mobile
CHP11	vijay	1236547890
CHP3	Hema	9876543210
CIN10	ajith kumar	8754506493
CIN12	divya	9789654321
CIN8	gitu	9988775544

Below the table, there is a button labeled "Delete User".



BOOKING CANCELLATION MODULE



PROFILE UPDATE MODULE

UPDATE YOUR CONTACT DETAILS

Your Name

Your Mobile

Your Current Address

Your Current Email id

Submit Button

report for both Customer and LPG provider.

WE LOOK TO THE FUTURE
Within 7days LPG will delivered to You .

WE FIND A SOLUTION
we can Book LPG and Cancelled the Booking.

Old Password

New Password

Confirm New Password

Reset Password

VIII TESTING

LOGIN TESTING

If valid input is given, the user is directed to home page. If invalid, login page is reloaded.

GAS_BOOK ME

User Id

Password

Login Clear

GAS_BOOK ME

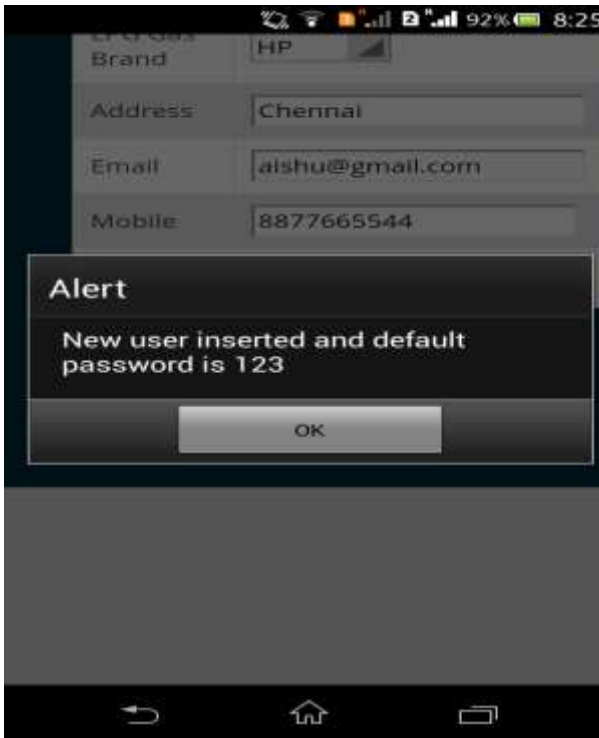
User Id

Password

Login Clear

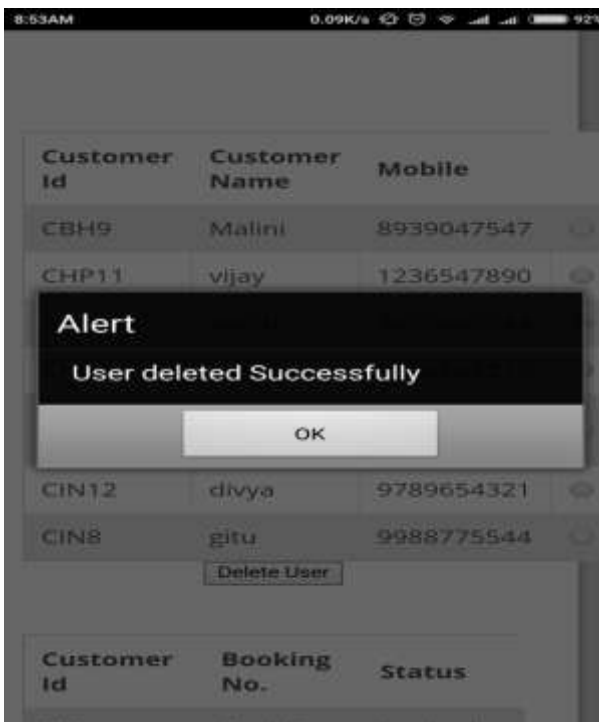
ADDING AND DELETING CUSTOMER TESTING

Here a new customer is added and deleted successfully.



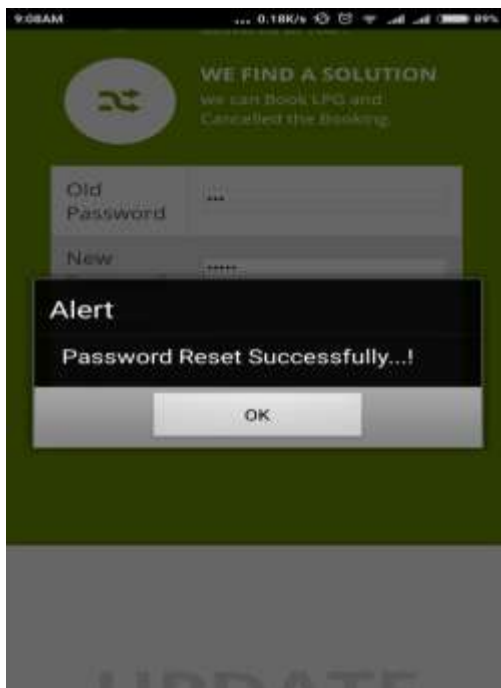
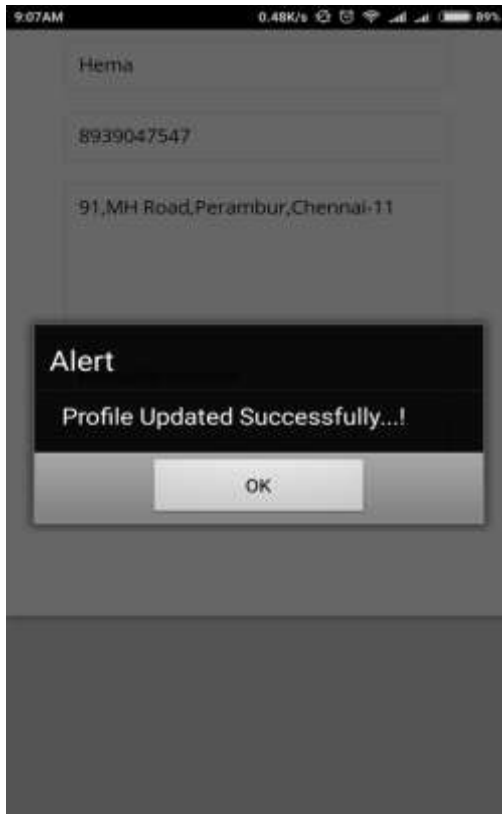
GAS BOOKING AND CANCELLATION MODULE

Here the gas booking and cancellation is done successfully,



PROFILE UPDATE TESTING

The customer profile is updated and the password is reset successfully.



IX CONCLUSION

Thus, by using PHP it can be implemented easily with low cost. Using this application, gas cylinder from various companies can be booked. By using PHP we can implement this system in both web application and android application.

The system is affordable and flexible enough so that it can be easily scaled and deployed at various places. It enables the end user to request for services easily and without wasting much of his time.

X FUTURE ENHANCEMENTS

The future work would make it more adaptable and more responsive for any application it need to be updated regularly.

- Online payment facility.
- Delivery confirmation notification to the customer.
- Facility for offline booking of LPG cylinder

XI REFERENCES

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