**APPENDIX 1**

# New LPG connection and LPG Booking system

**END TERM REPORT**

***SUBMITTED BY:***


**TEAM MEMBERS:**

**Pratik Suhag(Roll no.: 20)**

**Shruti Tandon(Roll no.:11)**

Section: K19PV

**Department of Intelligent Systems,**

**School of Computer Science Engineering,**

**Lovely Professional University, Jalandhar**


October, 2020

**APPENDIX 2**

# Student Declaration

This is to declare that this report has been written by us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. I/We aver that if any part of the report is found to be copied, I/we are shall take full responsibility for it.

Signature:

Name: Pratik Suhag

Roll Number: 20

Signature:

Name: Shruti Tandon

Roll Number: 11

Place: -

Date: 31st.Oct.202

**APPENDIX 3**

**TABLE OF CONTENTS**

**APPENDIX 4**

BONAFIDE CERTIFICATE

Certified that this project report “New LPG connection and LPG Booking system” is the bonafide work of “Shruti Tandon and Pratik Suhag” who carried out the project work under my supervision.

<<Signature of the Supervisor>> (Due to Covid 19, signature is exempted)

Name: Dr. Dhanpratap Singh

Academic Designation: Prof.

ID: 25706

Department of Supervisor: School of Computer Science and Engineering

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# INTRODUCTION

Gas is one of the components that are required for preparing the food that is necessary for the human beings. Without the food and the water no humans can survive on this earth. Nowadays we see even the poor people having the gas connection facility which is a good sign of the development of the country. To book a gas one needs to go to the gas agency or call some number for gas booking. It will be time consuming and there will be no information regarding the gas delivery. To solve all these problems, the gas booking System application can be developed**.**

The gas booking system allows the customer to book a gas online without anybody's help. Through this application the consumer can check the details about the gas cylinders remaining, price of the gas cylinder, and can also modify his personal details if required. The consumer can have a unique login id and password to book a gas cylinder. Security will be provided for the information that is uploaded. Online payment for the gas cylinder can also be made. Nowadays extra amount for the delivery boys need to be paid along with amount of the gas cylinder. So the online payment of the gas cylinder can solve this problem.

The features that can be included in the gas booking system are as follows:

Consumer database management: To book a gas that is required by a consumer, needs to be stored in the database. This information can contain the consumer number, name, address, contact number and so on.

Gas cylinders availability: Using this application, one can come to know about the availability of the number of gases per month. This will give the consumers a clear idea of the number of gases that are remaining for the whole year.

Online payment: You can also pay for the cylinders obtained through the online mode so that it can restrict the extra amount that one needs to pay for the delivery boy.

# BACKGROUND

Earlier people used to book their gas cylinders manually by visiting a nearby gas service agency.

But with the use of our application people will be able to book their gas online at their own convenience.

By manual booking a lot of confusion was happening, and also their was no fixed amount of the payment that has to be made.

Delivery persons could also use unfair means for delivering the cylinders.

But this all is now solved with this online booking system of gas.

# OBJECTIVES

- The main objective of the Online Gas Booking System is to manage the details of Connections, Customers, Gas, and Delivery.

- It enables the consumers to book the LPG refills very easily just at one click.

- It manages all the information about Connections, Booking, and Delivery.

- The project is totally built at administrative end and thus only the administrator is guaranteed the access.

- The purpose of the project is to build an application program to reduce the manual work for managing the Connections, Customers, and Bookings.

- It tracks all the details about the Payments, Gas, and Delivery.

- Our application is user-friendly and interactive.
- It ensures data accuracy.
- It takes minimum time and provides security.

# MOTIVATION

To make this project, or to work on this project we got inspiration from different applications that are doing wonders in this business like INDANE and BHARAT GAS.
We got the support from our sir and with his help and guidance we were able to complete this project so nicely.

We understand the current trends evolving in digitalization, so we thought of contributing  a little in this so that we can help people to shift to the online methods of gas booking, for themselves at their own convenience at one click.

Nowadays online business is doing great in all the fields be it shopping or anything else.

This project got completed only because of the hardwork and unity of our team. We distributed our work equally which made it easy and we were able to do it on time.

We both properly did our jobs and managed to complete our project on time.

We did everything like a team and managed ourselves and our project very well.

We have been a good team and both of us was very supportive and helpful.

Therefore Step by step we completed our project.

And by this we got to learn PYTHON and MySQL. We got a better understanding of the concepts by performing everything practically because of this project.

Thankyou sir for giving us this project and for helping us too.

# OUTCOMES OF THE PROJECT

- We made a Gas Booking System named “LPG Booking System” and we are hoping that it becomes successful and reach bigger heights.

- Our only aim is to create a platform which allows the customer to book a gas online without anybody’s help.

- The purpose of developing LPG Booking System is to provide a hassle free refill booking that will help both the consumers and the agency.

- The agency can record the details easily and accurately.

- The system also helps the agency to maintain consumer and booking details.

- Our main focus is on building a healthy relationship with our members who register with us and also to provide them whatever they need.

- We are focusing on building a transparent relationship with our members.

- We want our users to feel and believe that our application is the most trusted and people should recommend our application to other users as well.

- We want to grow our project everywhere.

# GOALS

- The main purpose of this Gas Booking System is to allow a user to book a gas cylinder online or to apply for a new gas connection.

- It helps the users by providing a more reliable, faster and maintainable and more user-friendly environment.

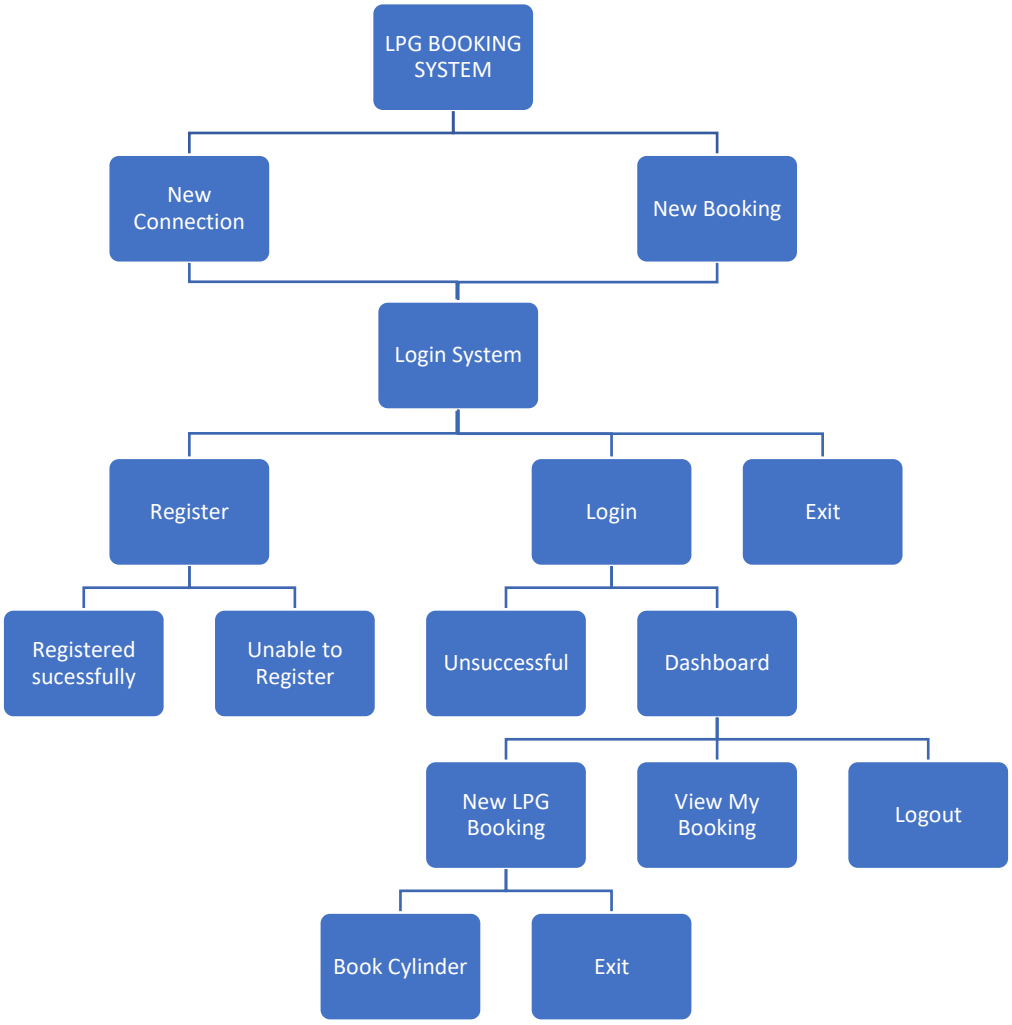
- User can apply for a new gas connection by staying at his or her home at his or her own convenience.

- Since internet is a pivot for modern business, the online gas services which are based on internet paves a path for modernization in helping the agencies to get more customers.

- We could also understand well about the PYTHON language and MySQL.

# DESCRIPTION OF PROJECT

## FLOW CHART OF THE PROJECT:



# DESCRIPTION OF WORK DIVISION IN TERMS OF ROLES AMONG STUDENTS

**ROLES AND RESPONSIBILITES:**

| NAME | RESPONSIBILITY |
|---|---|
| PRATIK SUHAG | LOGIN PAGE, REGISTER PAGE, NEW LPG BOOKING AND VIEW BOOKING<br>DATABASE CONNECTIVITY<br>PYTHON CODING |
| SHRUTI TANDON | HOME PAGE, LOGIN SYSTEM AND DASHBOARD<br>DATABASE CONNECTIVITY<br>PYTHON CODING |

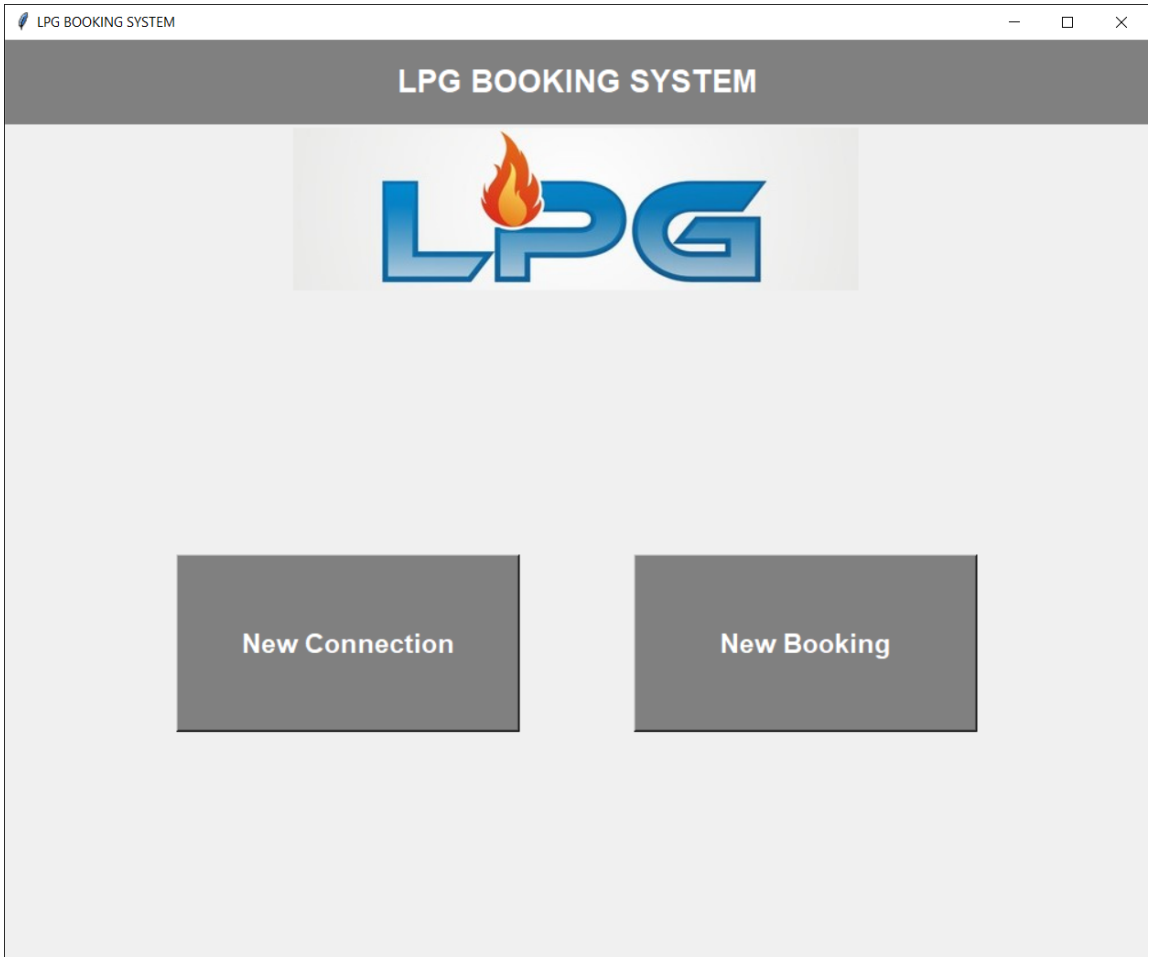
# IMPLEMENTATION OF SCHEDULED WORK OF PROJECT

**TIMELINE:**

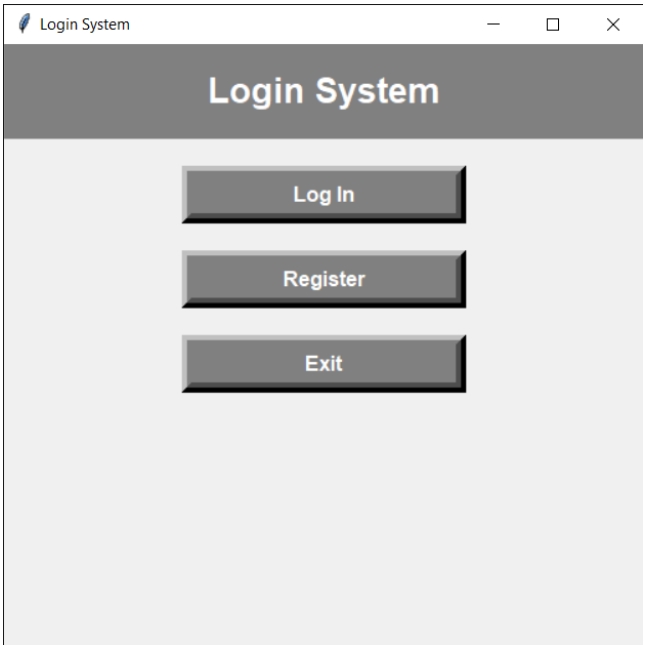
| ***WEEK 1*** | ***WEEK 2*** | ***WEEK 3*** | ***WEEK 4*** | ***WEEK 5*** |
|---|---|---|---|---|
| DISCUSSION ABOUT THE TOPIC | GETTING INFORMATION FROM DIFFERENT SITES | DESIGNING OF HOME PAGE AND LOGIN SYSTEM | DATABASE CONNECTIVITY | DATABASE CONNECTIVITY |
| LEARNING OF THE TOPIC | MAKING OF A ROUGH REPORT | DESIGNING OF REGISTER PAGE | DASHBOARD DESIGNING | TESTING OF THE APPLICATION |
| SURFING SOME RELATED SITES FOR REFERENCE | DISTRIBUTION OF WORK | DESIGNING OF ACCOUNT LOGIN PAGE | DESIGNING OF NEW BOOKING PAGE | CORRECTION OF ERRORS |

# SCREENCHOTS OF APPLICATION

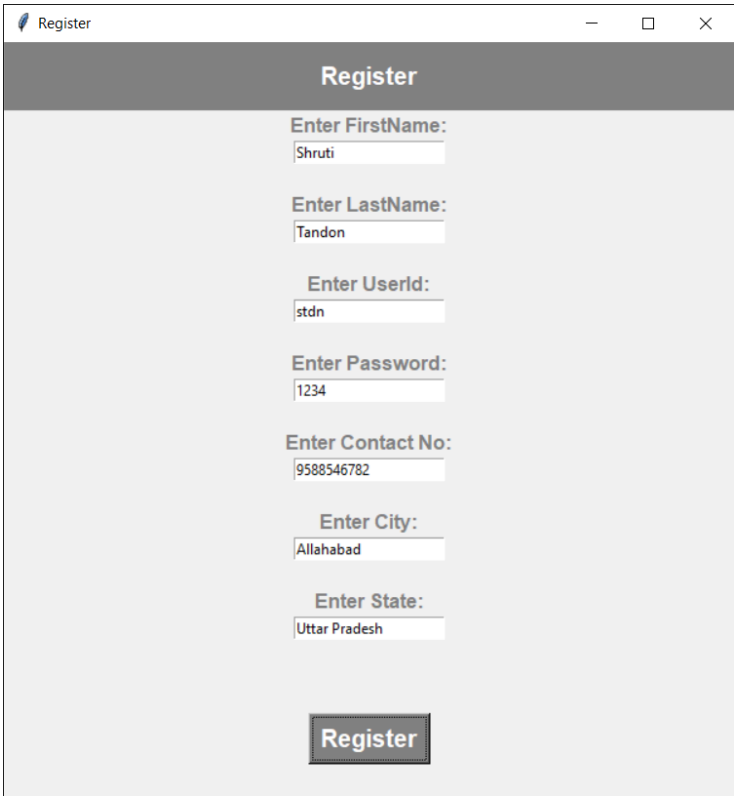
- **HOMEPAGE:**



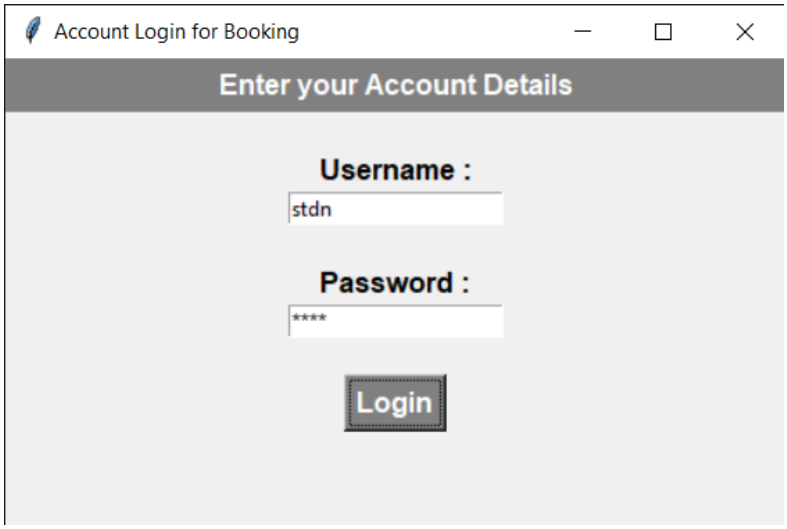
- **LOGIN SYSTEM:**



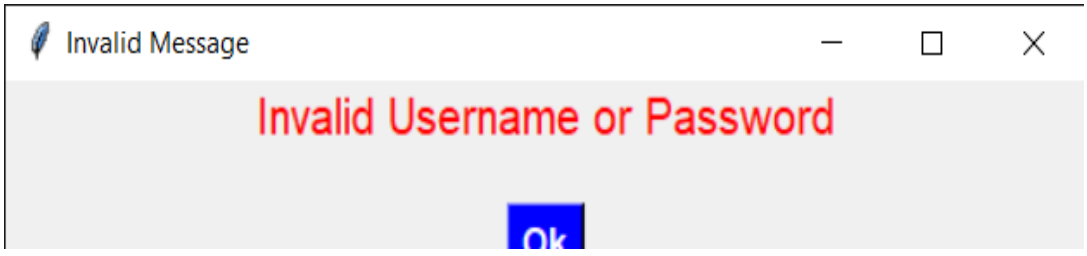

- **REGISTER PAGE:**



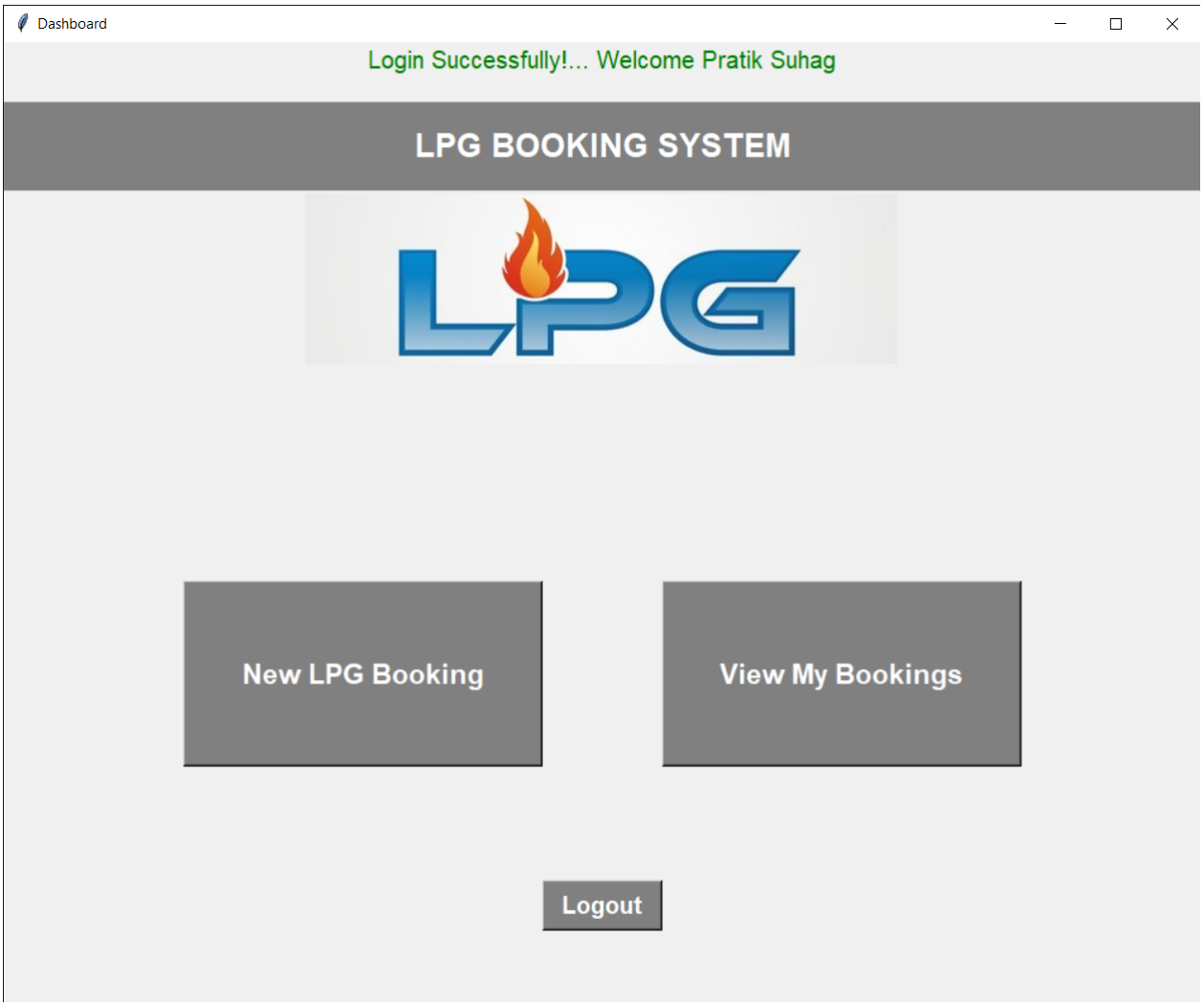
- **ACCOUNT LOGIN PAGE:**



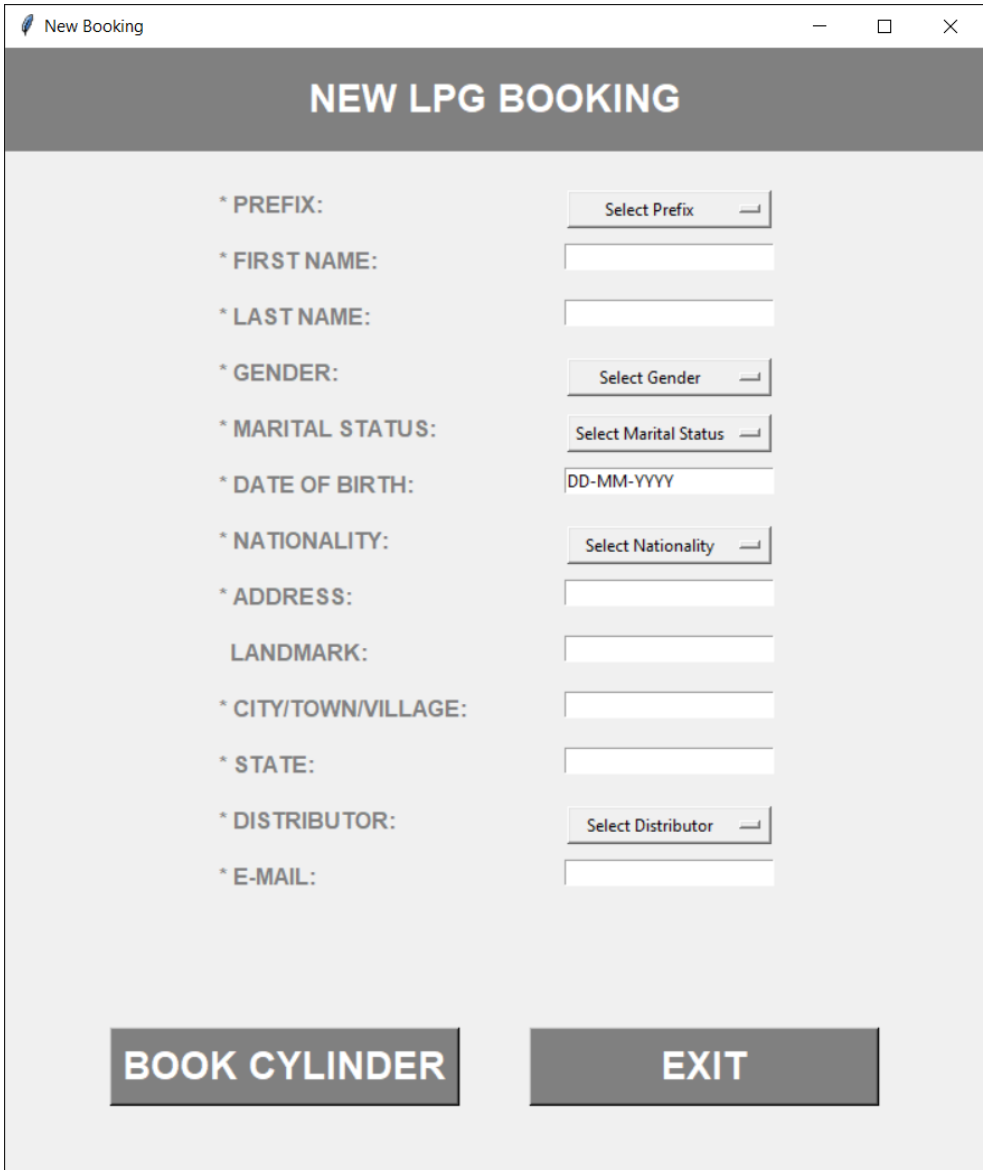

- **UNSUCCESSFUL LOGIN:**



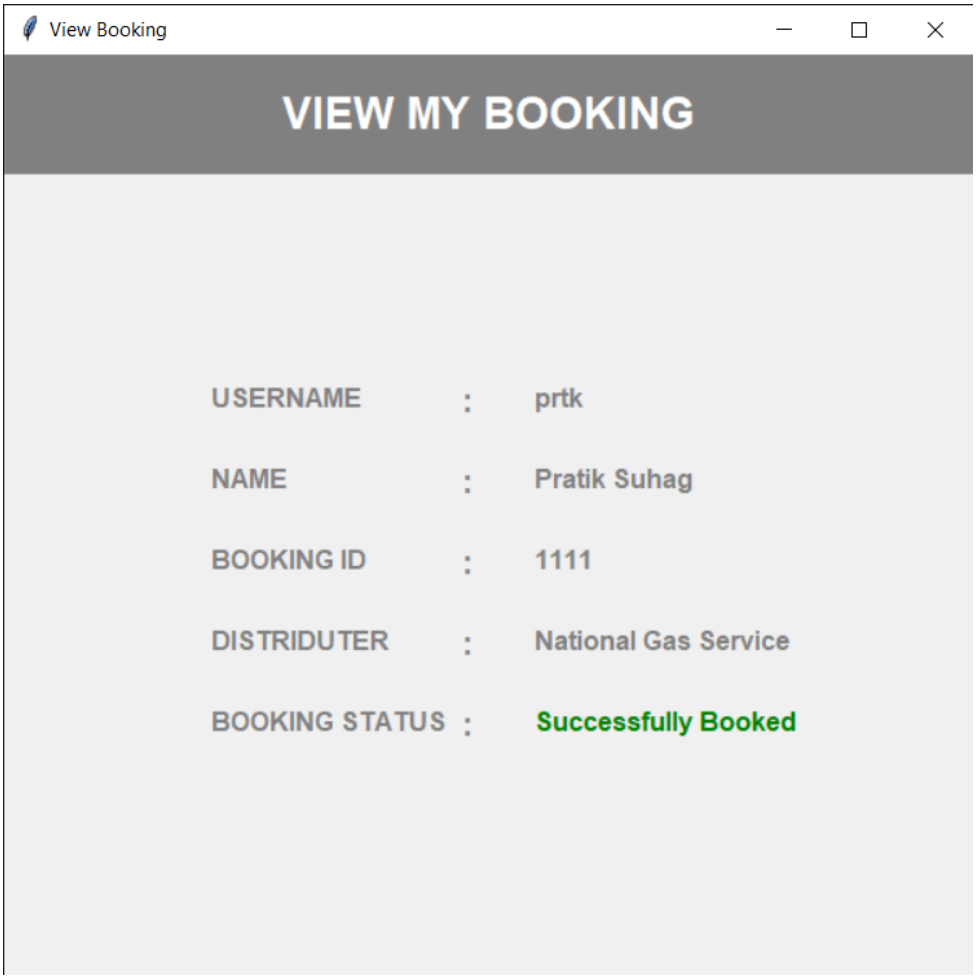
- **DASHBOARD (SUCCESSFUL LOGIN) :**



- **NEW LPG BOOKING:**



- **VIEW BOOKING:**



# TECHNOLOGIES AND FRAMEWORK USED

**TECHNOLOGIES USED ARE:**

- PYTHON
- MySQL
- NOTEPAD
- GITHUB

# SWOT ANALYSIS

## STRENGTH:

- Communication: Our application provide the users to communicate with the gas agencies.
- Online Booking: You can directly book your cylinder without any problem.
- Global: Our app is not just restricted to a nation but you can connect globally.
- User-Friendly: Our app is user friendly.
- Also it is easier to keep the profile track of a user.
- And there is scope to vary Multichannel pricing.

## WEEKNESS:

- Not connected to online servers.
- Payments can be a problem.
- Lacking in the genuine verification of customers or agencies.
- Their might be rude and no proper customer relationship management.

## OPPURTUNITIES:

- We can use better data analytic tools or methods.
- Potential for better revenue models in Online Gas Booking related services.
- Complaint cell, Door to Door User profile Verification through security services.

## THREATS:

- Situations leading to Misplace of cylinders.
- False rumours from other gas booking applications.
- Our user’s profile theft and IP hacking.
- It might lead to IP cloning.

# GITHUB DETAILS:

**PROJECT REPOSITORY LINK:**

**https://github.com/Pratik-2771/INT213_Project_LPG.git**

**GITHUB ACCOUNTS:**


- **Pratik Suhag**

**Username: Pratik-2771**
**Email: pratiksuhag27@gmail.com**

- **Shruti Tandon**

**Username: shruti123-web**
**Email: tandonshrutiii17201@gmail.com**