

Project Title: Online Gas Booking and Management System

Group no. : 17

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SYSTEM REQUIREMENT SPECIFICATION

Category: Web Application

Purpose: The objective of this project is to create a centralized system for both consumers and suppliers. Customer with cylinder can book a LPG cylinder through an online system. The agency can take the order and deliver the cylinder.

Scope: This web application allows consumers to add their details like address, phone no. etc. Customers can book orders, cancel orders if not dispatched, review past orders and post feedback if any. Suppliers can also review their stocks and take orders accordingly, deliver cylinders, review their customers etc.. It is also assumed that there is only one supplier in each city.

Introduction:

Existing System

It is basically manual working or even if it is computerized it is restricted to particular buildings or locations. Thus all work is done manual or in pen-paper and maintenance is also done in the same building.

- It is very hectic to manage all the data using spreadsheet, files, etc.
- In an offline computerized system everything is present in one system which is not globally present.

- Whenever a customer requires to check his payment history or previous booking records he/she has to travel to an agency which is recorded in a separate registration file.
- All the process is time consuming.
- Managing the staff entails spending the money increasing the budget.
- Information is not available globally to both customers and agencies.
- Staff manually evaluating the validity of customers is susceptible to faults and mistakes.

Proposed System

As an online gas booking and management is one that aims to give customers to book LPG cylinders online, enable them to manage their dashboard so that they don't need to enter their details and also able to see previous records. Helps to maintain good relationship between customer and supplier.

The system after careful analysis has been identified to be presented with the following modules:

- Registration of customer: New customer can register free of cost to book or purchase cylinder.
- Login : Customers can login in application to see the records or details and suppliers can login to check status of their orders.
- Booking the cylinder: Customers can book the cylinder and can cancel their order before dispatch.
- Record Storage: The user information files should be stored in a centralized database which can be maintained by the system.
- Feedback submission: The user can submit feedback which will help to increase the performance of the system.
- Secured payment: The user can securely make transactions through different payment modes.
- Administration Access: Administration would be able to keep an eye on the records and performance of the system.

Advantages for Customer:

- We can book it in advance.

- It saves time and effort.
- We will be notified when the gas cylinder will deliver and according to that we can manage our schedule.
- If customers want to book a gas cylinder they can book it anytime they don't have to wait until the supplier attends the call.

Advantages for Supplier:

- Using an online gas booking system means that your business is open 24 hours a day, seven days a week.
- With an online booking system, you can require customers to prepay for bookings. This puts money into your pocket faster.
- You are free from the customers calls and mails. Online gas booking system helps to not tied to your phone.

Advantages for Admin:

- Online gas booking system allow you to check the status of your business.
- You can improve your business by getting feedback from the customers.
- An online booking system provides you with a dashboard of analytics that help you grow your business. This saves your time and money on offerings that don't help your business grow.

Functional Requirements

Functional requirements describe what a system should do. Functional requirements of our system are explained below:

- Agency has only one supplier in every city.
- All existing consumers, suppliers and admins should have a proper username and password for login.
- Consumers should be able to manage their dashboard by saving required details like phone no., address, aadhar card no., payment details etc.
- Consumers should be able to book cylinders (only if there are enough stocks with the supplier) and also cancel orders if required but only before dispatch.

- Consumers should also be able to see his previous orders history. Consumers should be able to make payments using different modes.
- Consumers should receive SMS alerts (OTP) regarding cylinder delivery so as to check cylinder is delivered to right persons.
- Suppliers should be able to review customers details.
- Suppliers should be able to change the status of consumers order when dispatched.
- Supplier should be able to track his stock.
- Admin should be able to manage(add/ update/ delete) records of both consumers and suppliers.
- Admin should be able to review feedbacks.

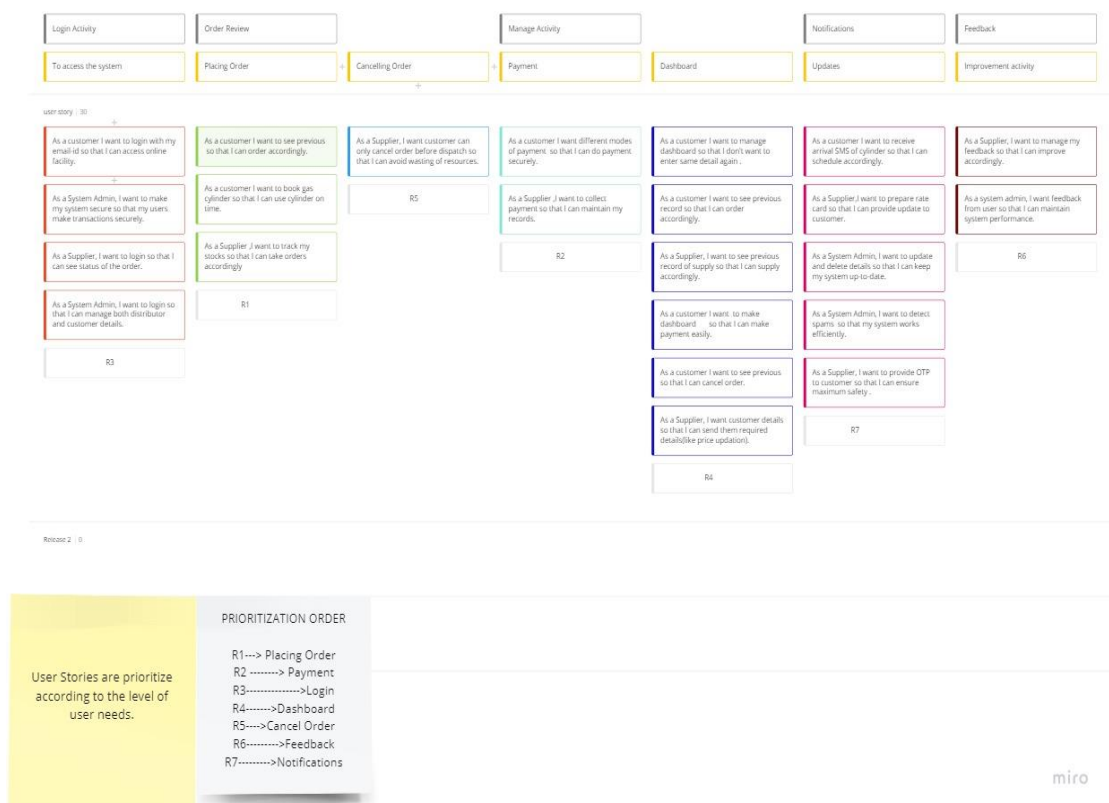
Non-functional Requirements

Requirements that specify criteria that can be used to judge the operation of a system are called non functional requirements. Non functional requirements of our system are mentioned below :

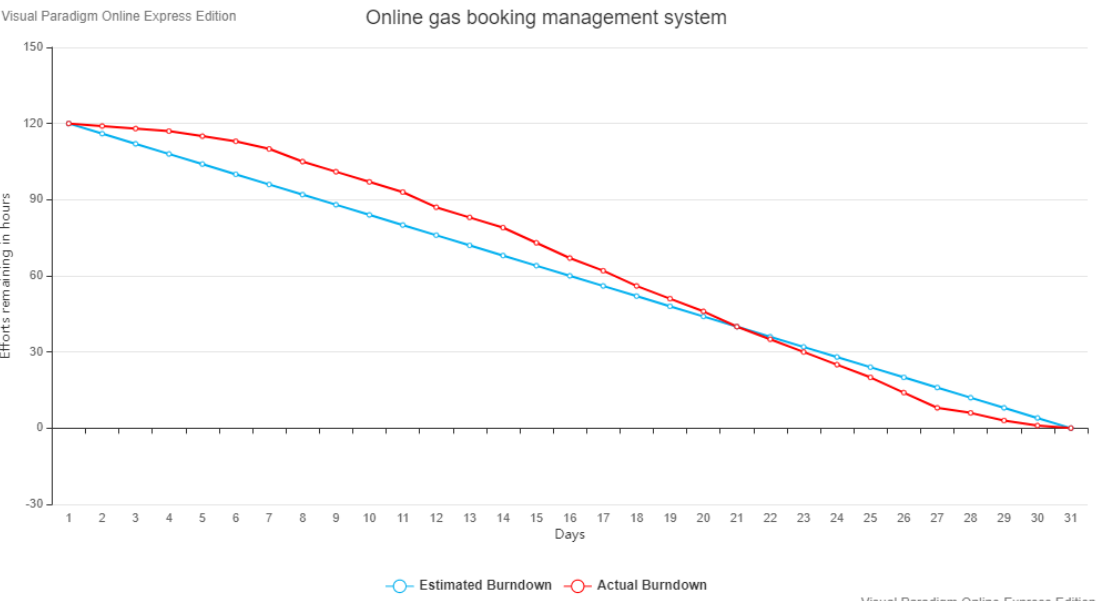
- It should be able to make payments securely.
- It should be able detect viruses/bugs to keep the system safe and efficient .
- Better component design to get efficiency at peak time.
- Ensure that the system should be adaptive to changes.
- Suppliers should be able to keep a check on that the cylinder is delivered to right consumer on time.

USERSTORY




https://miro.com/app/board/o9J_kiRRbmM=/



BURNDOWN CHART



ESTIMATION

		
<div>Landing page which includes details of agency and login options.</div>	<div>Login page for admin, customer and supplier</div> <div>Supplier Dashboard for supplier functionalities like review customers, stocks, delivery status etc.</div>	<div>Booking and cancelling cylinder, if not dispatched.</div> <div>Admin Dashboard for admin functionalities like adding new customer and supplier, review feedback</div> <div>Customer Dashboard for other customer functionalities like review order details and store their details like address, aadhar no. etc.</div>

ESTIMATION TABLE

Estimation using T-shirt size

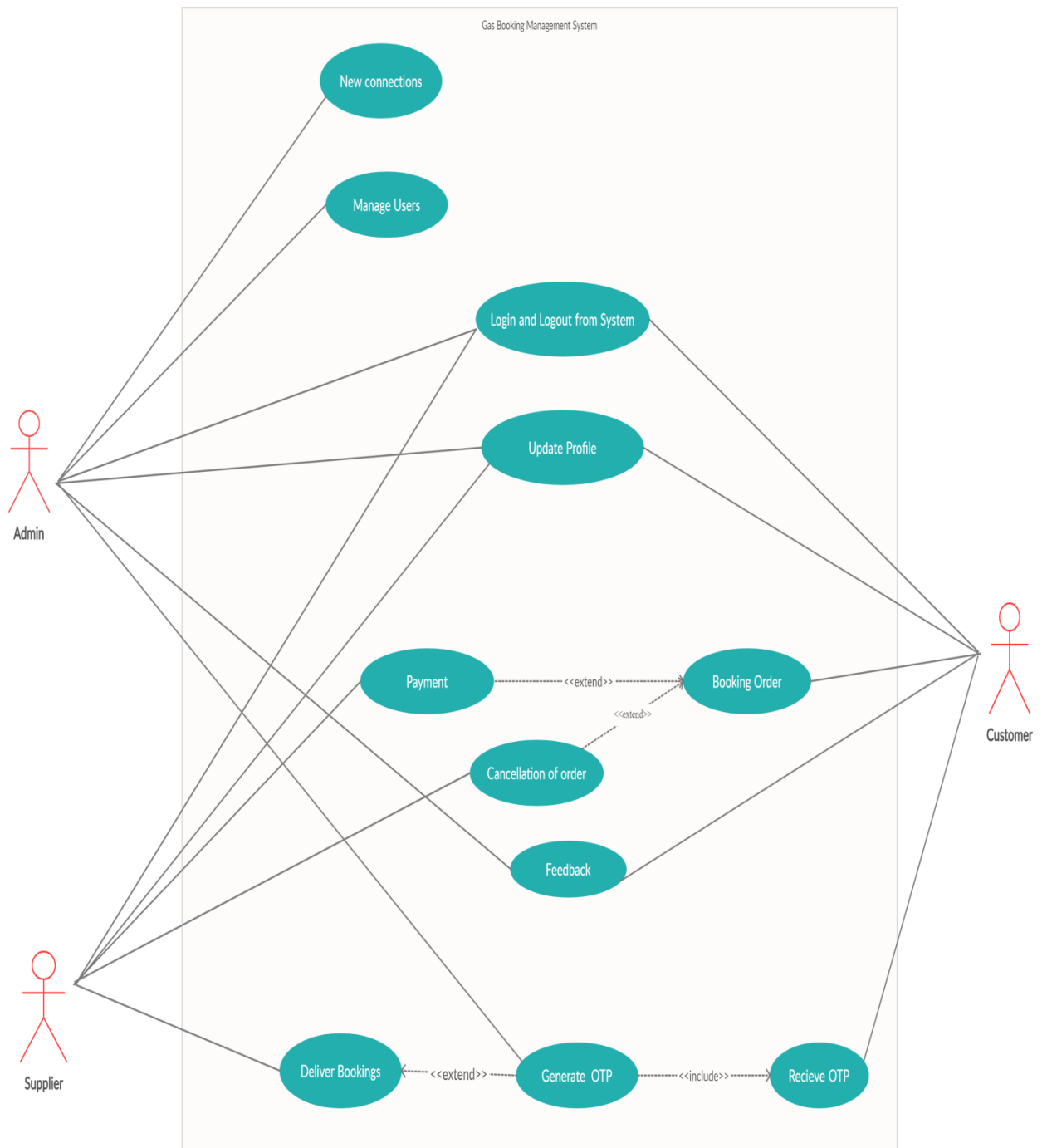
S- 1-2 days

M- 3-6 days

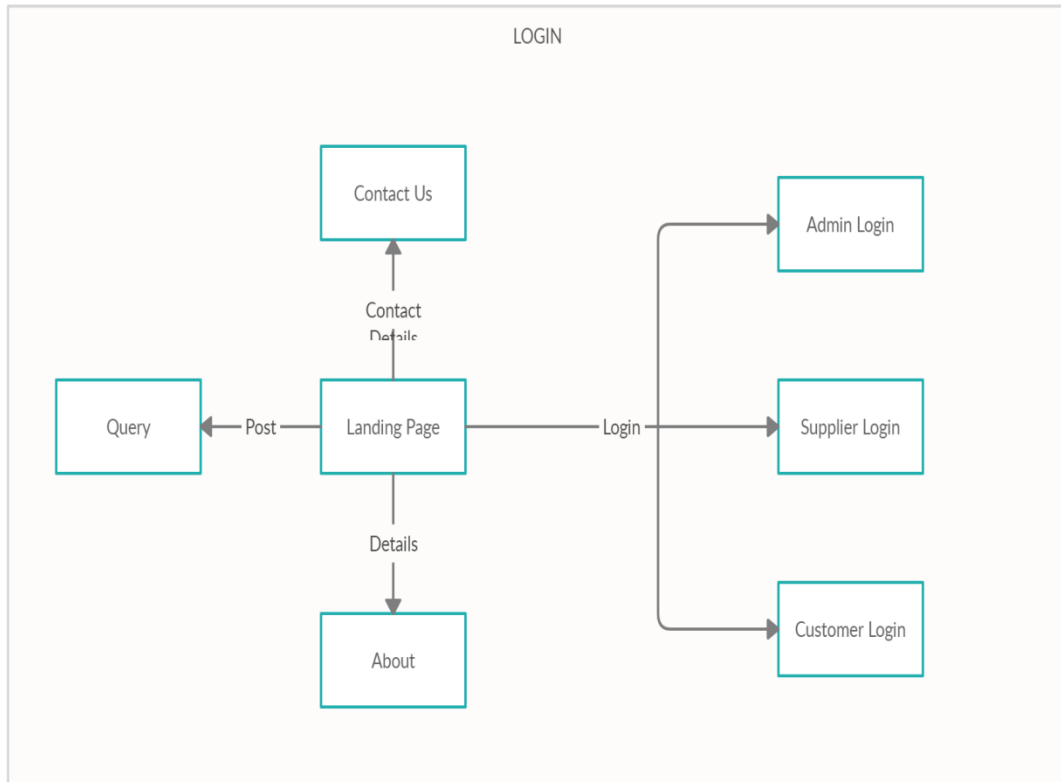
L- 7-15 days

Sprint No.	Feature	Estimation
1.	Landing page	S
	Login	M
2.	Customer Dashboard	L
3.	Booking and Cancelling cylinder	L
4.	Supplier Dashboard	M
5.	Admin Dashboard	L

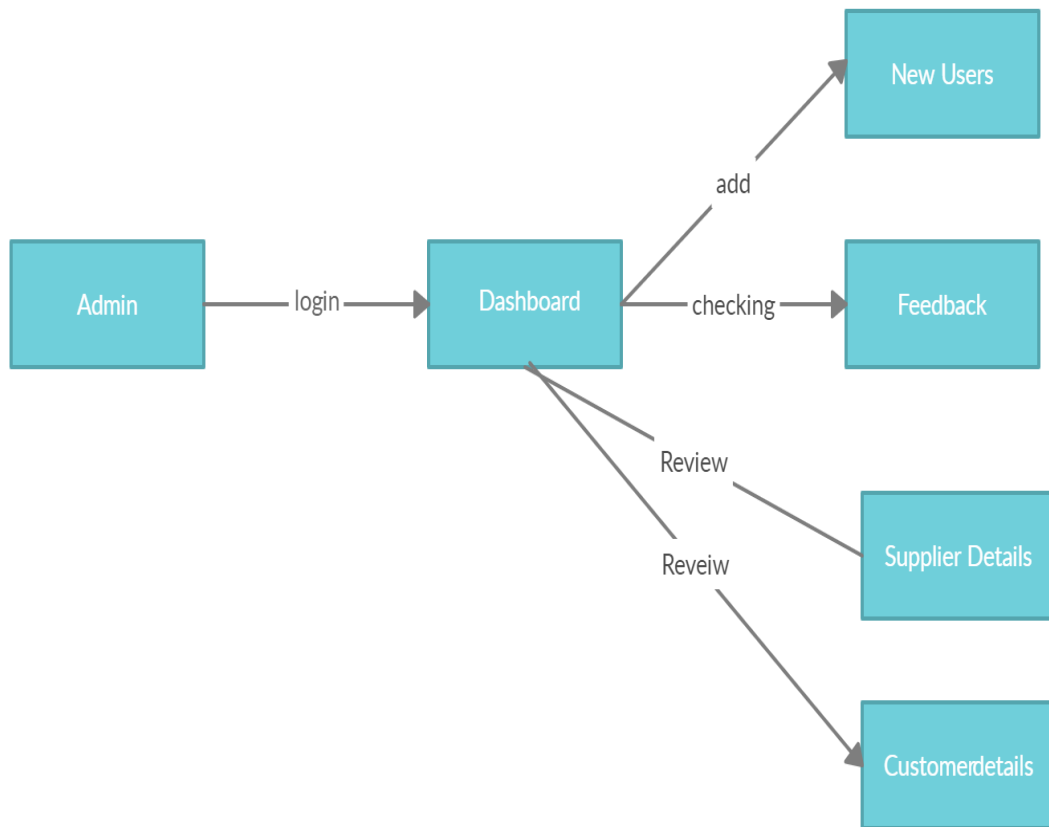
USECASE



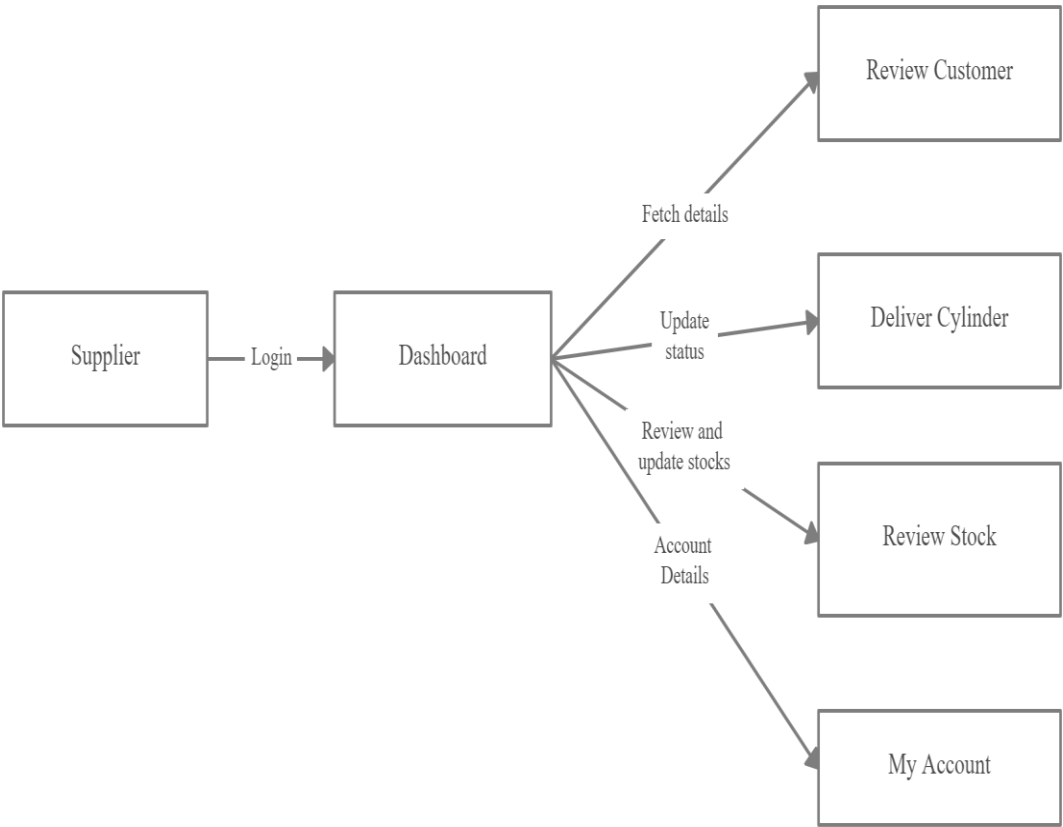
LOGIN



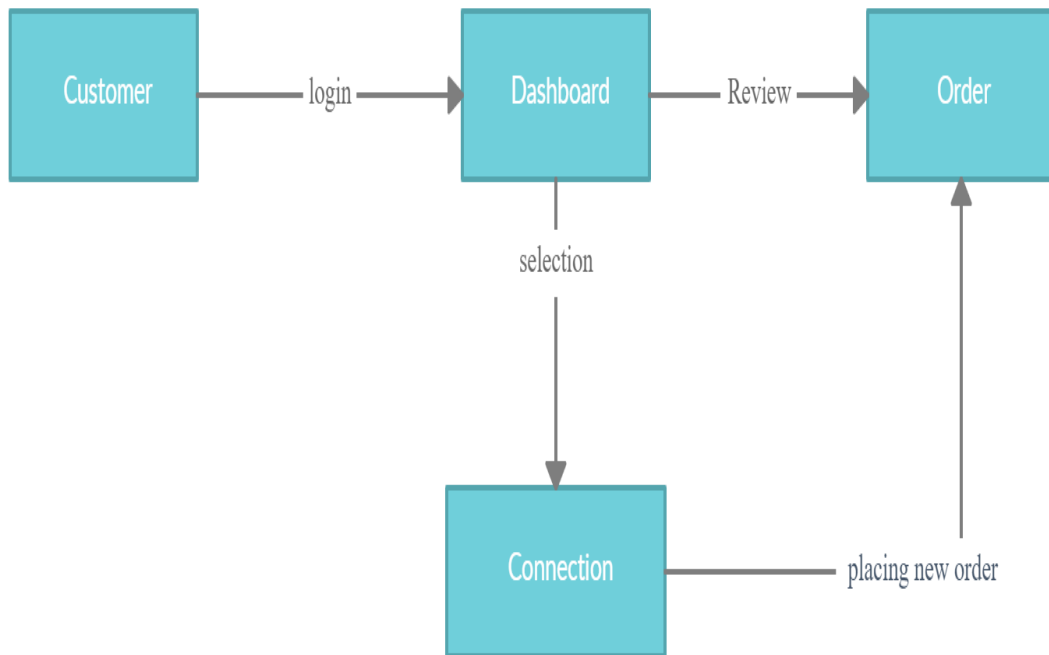
ADMIN



SUPPLIER



CUSTOMER



GUI

LANDING PAGE

Home About Us Login Query Contact

Rapid LPG

An Ideal fuel for modern kitchens

② **LOGIN OPTIONS**

Welcome to Login

Admin Login

Supplier Login

Customer Login

③ **LOGIN**

Login

Email id: _____

Password: _____

Login

My Account (Admin)

RAPID LP67

My Account

EMAIL

PASSWORD

same

Admin Dashboard

Rapid LP67

ADMIN

Review Customer

Review Customer				
Cid	Name	Phone no	Address	District
				Delete

Add New Customer

Rapid LPG	Customer Details
	Name
	Mobi No
	Aadhar No
	Password
	Address
	District
	<input type="button" value="Sign UP"/>

Add New Supplier

Rapid LPG	Supplier Details
	Name
	Email
	Password
	District
	Stock
	Rate of Cylinder

Review Feedback

RAPID LPG			Review Feedback
FID	CID	Details	
		<input type="button" value="Delete"/>	

SUPPLIER DASHBOARD

① Stock Availability

STOCK AVAILABILITY		
Supplier ID	Stocks	Rate of Cylinder

Update

② CYLINDER DELIVERY

Deliver Cylinder			
Booking ID	Customer ID	Order Date	
			Deliver

Expt. No. _____

Page No. _____

My Account (Supplier)

Rapid LPb7	Supplier Account
Name	
Address	
District	
Email	
Phone No	
Stock	
Rate of Cylinder	

CUSTOMER DASHBOARD

① ORDER CYLINDER

Billing Details

Name :
Phone No :
Address :
Amount to be paid :
Payment Mode :

② CANCEL CYLINDER

Cancel Order

B-id	Order Date	Amount

③ ORDER HISTORY

Review Order

B-ID	Order Date	Expected delivery date	Delivery date	Payment Mode	Amount	Disputed status

④ POST FEEDBACK

Post Feedback

Write your feedback:

⑤ My Account (Customer)

My Account

Name:

Mobile No:

Aadhar No:

Email:

Password:


Address:


City:

Save changes

Some Images of project:-


[Home](#)[About us](#)[Login](#)

 **RAPID LPG**



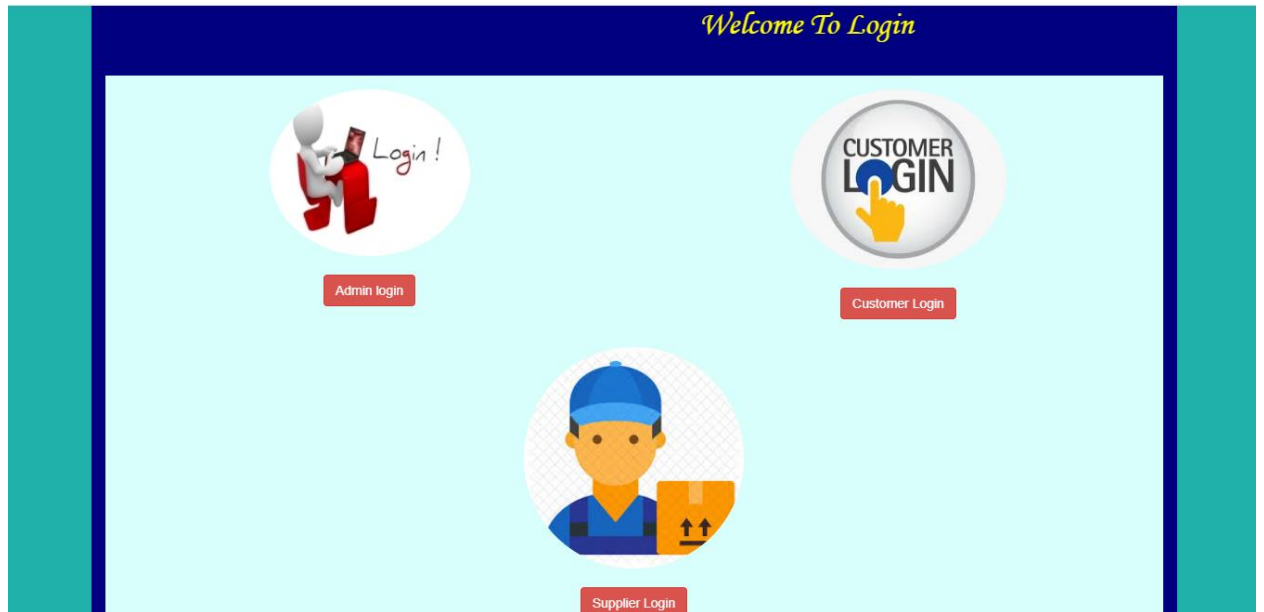
AN IDEAL FUEL FOR MODERN KITCHENS

About us




RAPID LPG is one of the leading and most reliable and trusted gas supplying agency. We provide both gas cylinders as well as gas pipeline connection. We provide you with a secure and rapid gas supply and thus bags a huge customer support. Having launched LPG marketing in the mid-60s, it has been credited with bringing about a kitchen revolution, spreading warmth and cheer in millions of households with the introduction of the clean and efficient cooking fuel. It has led to a substantial improvement in the health of women, especially in rural areas by replacing smoky and unhealthy chulha. We are today an ideal fuel for modern kitchens, synonymous with safety, reliability and convenience.

[Visit website](#)



Admin login




Login !

Email Id

Password

login

This form is set against a light blue background. It includes a central illustration of an admin user logging in. Below the illustration are two input fields: 'Email Id' and 'Password'. The 'Password' field has a toggle icon for visibility. A blue 'login' button is positioned at the bottom.




RAPID LPG

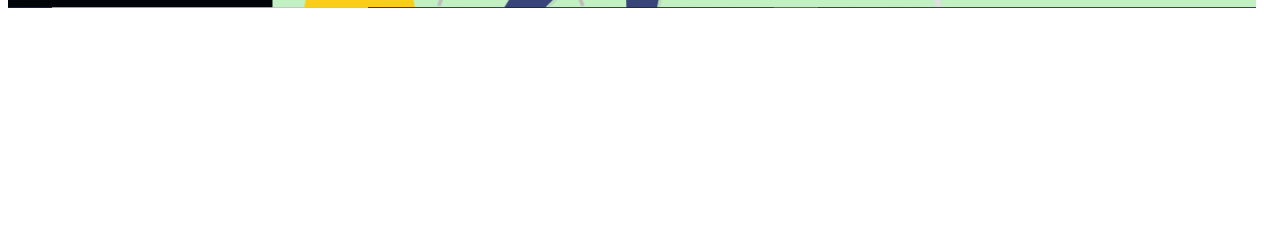
- Dashboard
- Add New Customer
- Add New Supplier
- Review Feedback
- My Account
- LOG OUT


Admin

Dashboard

Welcome to dashboard





**RAPID LPG**

Dashboard

Add New customer

Add New Supplier

Review Feedback

My Account

LOG OUT

Admin

Supplier Details

Please fill in this form to create a supplier account.

Name

Enter your name

Email

Enter Email

Password

Enter Password

District

Enter district

Stock


Enter Stock available

Rate_of_cylinder

Enter rate of cylinder

Sign Up

localhost/gas_booking_system/booking_order.php?id=1

**RAPID LPG**

Dashboard

Order Cylinder

Cancel Cylinder

Order History

Post Feedback

My Account

LOG OUT

Customer

Billing Details

Name:

Himanshi hurana

Phone No.:

7000567432

Address:

New Agrawal Nagar, Indore

Amount to be paid:

121.000

Choose your Payment Mode:

Cash

Book Now

localhost/gas_booking_system/review_order.php?id=1

**RAPID LPG**

Dashboard

Order Cylinder

Cancel Cylinder

Order History

Post Feedback


My Account

LOG OUT

Customer

Review Order

B_ID	Order Date	Expected Delivery Date	Delivery Date	Payment Mode	Amount	Dispatched Status
1	2020-12-17	2020-12-20		cash	600.000	Y



Dashboard

Stock Availability

Review Customer

Deliver Cylinder

My Account


LOG OUT

Supplier

Stock Availability

Supplier ID	Stocks	Rate of cylinder
1	<input type="text" value="842"/>	<input type="text" value="121.000"/>

Update



Dashboard

Stock Availability

Review Customer

Deliver Cylinder

My Account

LOG OUT

Supplier

Reveiw Customer

C_id	Name	Phone_No	Address	District	Aadhar_No	Email	Password	
1	Himanshi hurana	7000567432	New Agrawal Nagar	Indore	333898965123	HimanshiKhurana1@yahoo.com	khurana121	Delete Now
3	Tani	9876543213	Tank	Indore	900900983030	abx@gmail.com	abx	Delete Now