***ANUDIP FOUNDATION***

A Project Report on

**GAS BOOKING SYSTEM**

By

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**GAS BOOKING SYSTEM**

The Gas Booking System Java Project is aimed at developing an efficient and user-friendly platform for customers to book gas cylinders online. With the increasing use of digital platforms for various services, an online gas booking system offers convenience and accessibility to customers while streamlining the booking process for gas distributors.

**Entities:**

* Admin
* Gas
* Customers
* Booking
* Payments
* Delivery

**VARIOUS ENTITIES:**

1. **Admin**

* Admin\_id(primary key)
* Admin\_name
* Admin\_password

1. **Gas**

* gas\_id(Primary Key)
* gas\_name
* gas\_price

1. **Customers**

* customer\_id(Primary key)
* customer\_name
* customer\_mobile
* customer\_email
* customer\_address
* password

1. **Bookings**

* booking\_id(Primary Key)
* gas\_id(fk)
* customer\_id(fk)
* booking\_date

1. **Payments**

* payment\_id(Primary Key)
* customer\_id(fk)
* payment\_date
* payment\_amount

1. **Delivery**

* delivery\_id(Primary Key)
* customer\_id(fk)
* delivery\_address
* delivery\_date

**ENTITY RELATIONSHIP DIAGRAM – GAS BOOKING**

**SYSTEM**

1

1

Admin details

1

Book

Place

to

Delivery

Payment

details

Booking

Has

Gas

Admin

Customer

M

1

1

1

M

M

1

M

1

M

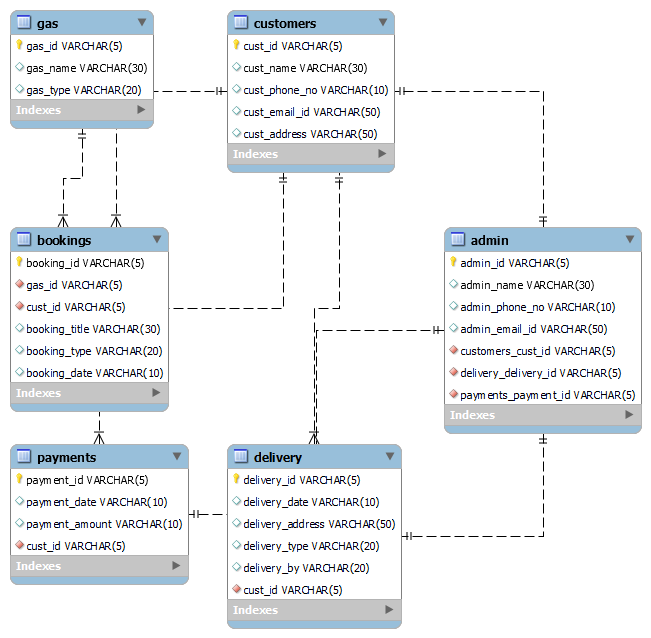
1

Manage

M

M

**CLASS DIAGRAM OF GAS BOOKING SYSTEM:**



**DATABASES:**

**Enter password: \*\*\*\***

**Welcome to the MySQL monitor. Commands end with ; or \g.**

**Your MySQL connection id is 8**

**Server version: 8.0.36 MySQL Community Server - GPL**

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**owners.**

**Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.**

**mysql> show databases;**

**+----------------------------+**

**| Database |**

**+----------------------------+**

**| employee\_management\_system |**

**| eureka |**

**| gas\_booking\_system |**

**| hibernateproject |**

**| information\_schema |**

**| mysql |**

**| performance\_schema |**

**| shopping |**

**| studentmanegementsystem |**

**| sys |**

**+----------------------------+**

**10 rows in set (0.19 sec)**

**mysql> use gas\_booking\_system;**

**Database changed**

**mysql> show tables;**

**+------------------------------+**

**| Tables\_in\_gas\_booking\_system |**

**+------------------------------+**

**| admin |**

**| booking |**

**| customer |**

**| delivery |**

**| gas |**

**| payment |**

**+------------------------------+**

**6 rows in set (0.03 sec)**

**mysql> desc admin;**

**+------------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+------------+-------------+------+-----+---------+-------+**

**| admin\_id | varchar(10) | NO | PRI | NULL | |**

**| admin\_name | varchar(20) | YES | | NULL | |**

**| password | varchar(20) | YES | | NULL | |**

**+------------+-------------+------+-----+---------+-------+**

**3 rows in set (0.02 sec)**

**mysql> desc customer;**

**+---------------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------------+-------------+------+-----+---------+-------+**

**| cust\_id | varchar(5) | NO | PRI | NULL | |**

**| cust\_name | varchar(30) | YES | | NULL | |**

**| cust\_phone\_no | varchar(10) | YES | | NULL | |**

**| cust\_email\_id | varchar(50) | YES | | NULL | |**

**| cust\_address | varchar(50) | YES | | NULL | |**

**| cust\_password | varchar(50) | YES | | NULL | |**

**+---------------+-------------+------+-----+---------+-------+**

**6 rows in set (0.00 sec)**

**mysql> desc gas;**

**+-----------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+-----------+-------------+------+-----+---------+-------+**

**| gas\_id | varchar(5) | NO | PRI | NULL | |**

**| gas\_name | varchar(30) | YES | | NULL | |**

**| gas\_price | varchar(20) | YES | | NULL | |**

**+-----------+-------------+------+-----+---------+-------+**

**3 rows in set (0.01 sec)**

**mysql> desc booking;**

**+---------------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------------+-------------+------+-----+---------+-------+**

**| booking\_id | varchar(5) | NO | PRI | NULL | |**

**| gas\_id | varchar(5) | NO | MUL | NULL | |**

**| cust\_id | varchar(5) | NO | MUL | NULL | |**

**| booking\_date | varchar(10) | YES | | NULL | |**

**| booking\_count | varchar(50) | YES | | NULL | |**

**+---------------+-------------+------+-----+---------+-------+**

**5 rows in set (0.01 sec)**

**mysql> desc delivery;**

**+---------------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------------+-------------+------+-----+---------+-------+**

**| delivery\_id | varchar(5) | NO | PRI | NULL | |**

**| delivery\_date | varchar(10) | YES | | NULL | |**

**| cust\_address | varchar(50) | YES | | NULL | |**

**| cust\_id | varchar(5) | NO | MUL | NULL | |**

**+---------------+-------------+------+-----+---------+-------+**

**4 rows in set (0.00 sec)**

**mysql> desc payment;**

**+------------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+------------+-------------+------+-----+---------+-------+**

**| pay\_id | varchar(5) | NO | PRI | NULL | |**

**| pay\_date | varchar(10) | YES | | NULL | |**

**| pay\_price | varchar(10) | YES | | NULL | |**

**| booking\_id | varchar(50) | YES | | NULL | |**

**| cust\_id | varchar(5) | NO | MUL | NULL | |**

**+------------+-------------+------+-----+---------+-------+**

**5 rows in set (0.00 sec)**

**CONCLUSION:**

In this project, we successfully developed a gas booking system to streamline the process of booking gas cylinders for customers. The system allows users to register, log in, and place orders for gas cylinders online. It also provides functionalities for administrators to manage user accounts and track order status.