CHAPTER 1

INTRODUCTION

1.1 OVERVIEW

With the advent of technology, innovation and improvement of every economic activity has become necessary to optimize the economic gain. In this connection particular several management techniques have been professed. For efficient management we need vital statistics (data) for taking valuable decision, which we call database. A database system is an integrated collection of related files, along with details of the integration of the data contained therein.

A database management system (DBMS) is a software system that allows access to data contained in a database. The objective of the DBMS is to provide a convenient and effective method of defining, storing and retrieving the information contained in the database. The DBMS interfaces with application programs, so that multiple applications and users can use the data contained in the database.

Data and database technology are having a major impact on the management of resources and computer stored information in today's industries. A database can be, in general terms, referred to as a collection of known facts that have been recorded and have an implicit meaning. A database is designed, built and populated with data for a specific purpose. It has an intended group of users and some preconceived applications in which these users are interested.

A database management is a collection of programs that enables a user to create and maintain a database. The DBMS is a general-purpose software system that facilitates the process of defining, constructing, and manipulating databases for various applications.

Defining a database involves specifying the data types, structures and constraints for the data to be stored in the database.

Constructing the database is the process of storing the data itself on some storage medium that is controlled by the DBMS.

Manipulating the database includes such functions as querying the database to receive specific data, updating the database, and generating reports from the data.

The database along with the software to manage it is collectively called a database system.

1.2 Characteristics

- It represents complex relationships between data.

- Keeps a tight control over data redundancy.

- Enforces user-defined rules to ensure the integrity of table data.

- Has a centralized data dictionary for the storage of information pertaining to data and its manipulation

- Ensures that data can be shared across applications

- Enforces data authorization.

- Has an automatic, intelligent backup and recovery procedure for data.

- Have different interfaces via which users can manipulate the data.

- Provides different levels of security constraints for manipulation of database structures.

CHAPTER 2

SYSTEM REQUIREMENT SPECIFICATION

A System Requirements Specification (SRS) (also known as Software Requirement Specification is a document or set of documentation that describes the features and behavior of a system or software application. It includes a variety of elements (see below) that attempts to define the intended functionality required by the customer to satisfy their different users.

In addition to specifying how the system should behave, the specification also defines at a high-level, the main business processes that will be supported, what simplifying assumptions have been made and what key performance parameters will need to be met by the system.

The hardware and software requirements of a computer system are required to install and use the software efficiency in the SRS. The minimum requirements need to be met for the program to run efficiently all the times on the system are as follows:

2.1 SOFTWARE SPECIFICATION

The software requirements are description of features and functionalities of the target system. Requirements convey the expectations of users from the software product. The requirements can be obvious or hidden, known or unknown, expected or unexpected from client's point of view. The goal of requirement engineering is to develop and maintain sophisticated and descriptive 'System Requirements Specification' document.

The software requirements specify the pre-installed software needed to run the code being implemented in this project.

- o Operating System: Windows 10, MacOS 10.15
- o Backend Software: PHP, MySQL, Xampp Server(Control Panel)
- o Frontend Software: Java, HTML and CSS

2.2 HARDWARE REQUIREMENT

Usage of CPU, RAM and storage space can vary significantly based on user behavior. These hardware recommendations are based on traditional deployments and may grow or shrink depending on how active users are. The hardware requirement specifies the necessary hardware which provides us the platform to implement our programs.

- o Processor: Any x86 or x64 Architecture Processor.
- o Processor Speed: 1.4 GHZ or above.
- o RAM: 4 GB RAM or above.
- o HARD DISK: 20 GB hard disk or above.

The hardware and software components of s computer system that are required to install and use software efficiently are specified in SRS. The minimum system requirements need to be met for the program to run all times on the system.

CHAPTER 3

DESCRIPTION

A database is a structured collection of data. Data refers to the characteristics of people things and events. A database management system gives the user access to their data and helps them transform the data into information. Such database management system includes dBase paradox, IMS, SQL server and MySQL. These systems allow users to create, update and extract information from their database. Different Tables are created for the various groups of information. Related tables are grouped together to form a database.

This project has been designed using MySQL as back end and Java graphics programming API's as front end.

3.1 My STRUCTURED QUERY LANGUAGE (MySQL)

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data. SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups.

MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often, MySQL is used with other programs to implement applications that need relational database capability. MySQL is a component of the LAMP web application software stack (and others), which is an acronym for *Linux, Apache, MySQL, Perl/PHP/Python*. MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress. MySQL is also used by many popular websites, including Facebook, Flickr, MediaWiki, Twitter, and YouTube.

3.2 MySQL 8.0 command line client

MySQL command line client is a free version of the world's most capable relational database. With MySQL command line client, you use an intuitive, command-prompt based interface, to:

- o   Administer the database
- o   Create table, views, and other database object Import, export, and view table data
- o   Run queries and MySQL script.
- o   Generate reports

3.3 ER DIAGRAM

An entity-relationship model (ER model) is a data model for describing the data or information aspects of a business domain or its process requirements, in an abstract way that lends itself to ultimately being implemented in a database such as a relational database. The main components of ER models are entities (things) and the relationships that can exist among them. Entity-relationship modelling was developed by Peter Chen and published in a 1976 paper. The ER diagram is drawn to have a better understanding of the whole scenario, it is used to conceptualize the phenomena, actions and interactions between various entities and to arrive at the specific requirements in a comprehensive manner.

An entity-relationship model is the result of using a systematic process to describe and define a subject area of business data. The data is represented as components (entities) that are linked with each other by relationships that express the dependencies and requirements between them, such as: one building may be divided into zero or more apartments, but one apartment can only be located in one building. Entities may have various properties (attributes) that characterize them. Diagrams created to represent these entities, attributes, and relationships graphically are called entity relationship diagrams. An ER model is typically implemented as a database. In the case of a relational database, which stores data in tables, every row of each table represents one instance of an entity. Some data fields in these tables point to indexes in other tables, such pointers are the physical implementation of the relationship. The three-schema approach to software engineering uses three levels of ER models that may be developed.

A relationship captures how entities are related to one another. Relationships can be thought of as verbs, linking two or more nouns. Examples: An owns relationship between a company and a computer, a supervised relationship between an employee and a department, a performs relationship between an artist and a song relationship between a mathematician and a conjecture. Entities and relationships can both have attributes Examples: an employee entity might have a Social Security Number (SSN) attribute, the proved relationship may have a date attribute.
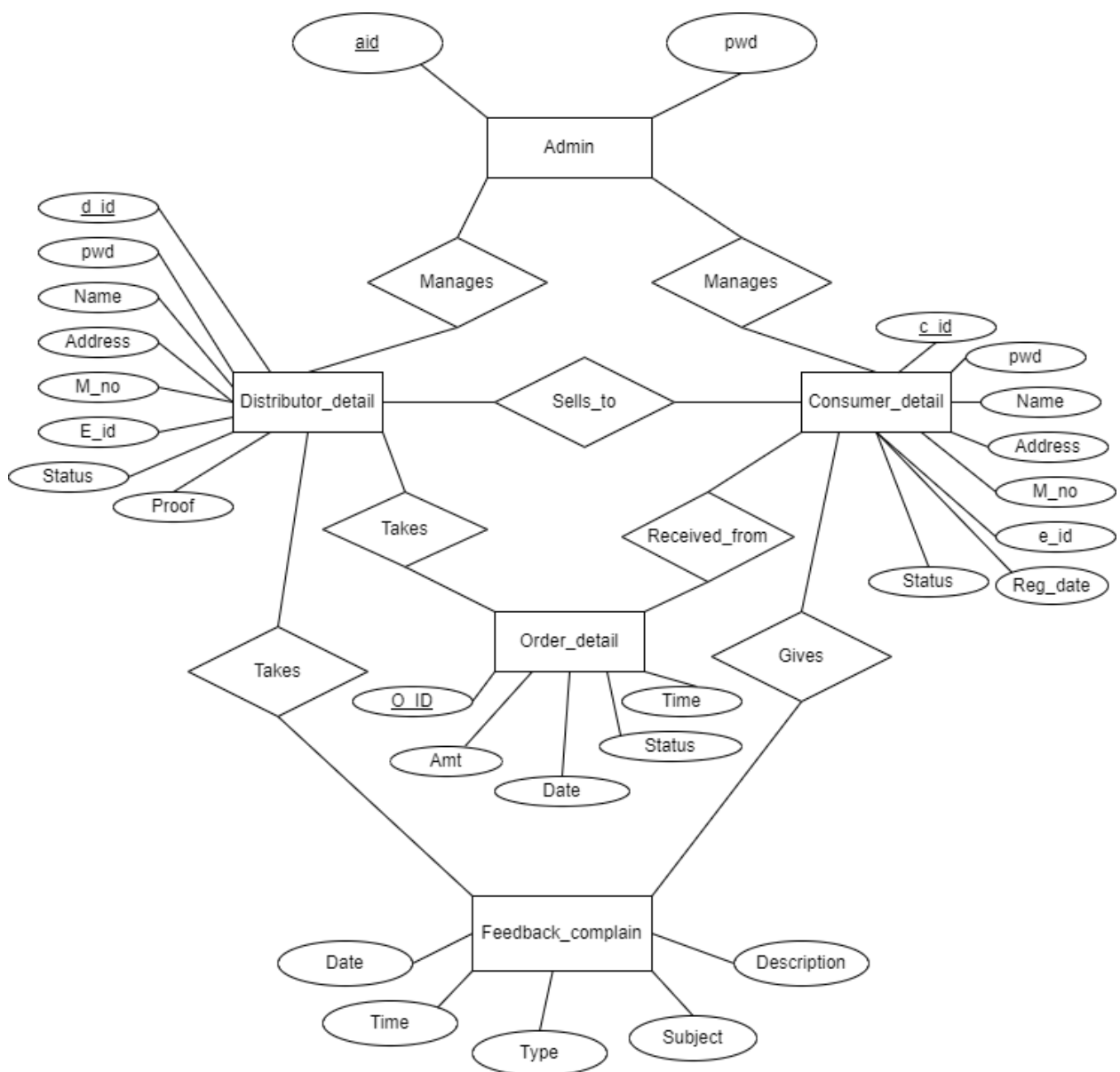
Fig 3.3: Entity-Relation Model of the Prescribed Management Model

3.4 RELATIONAL SCHEMA

A database schema is the skeleton structure that represents the logical view of the entire database. It defines how the data is organized and how the relations among them are associated. It formulates all the constraints that are to be applied on the data.

A database schema defines its entities and the relationship among them. It contains a descriptive detail of the database, which can be depicted by means of schema diagrams. It's the database designers who design the schema to help programmers understand the database and make it useful.

A database schema can be divided broadly into two categories -

o **Physical Database Schema** - This schema pertains to the actual storage of data sand its form of storage like files, indices, etc. It defines how the data will be stored in a secondary storage.

o **Logical Database Schema** - This schema defines all the logical constraints that need to be applied on the data stored. It defines tables, views, and integrity constraints.

Database schema is the skeleton of database. It is designed when the database doesn't exist at all. Once the database is operational, it is very difficult to make any changes to it. A database schema does not contain any data that will be inserted in the database later.
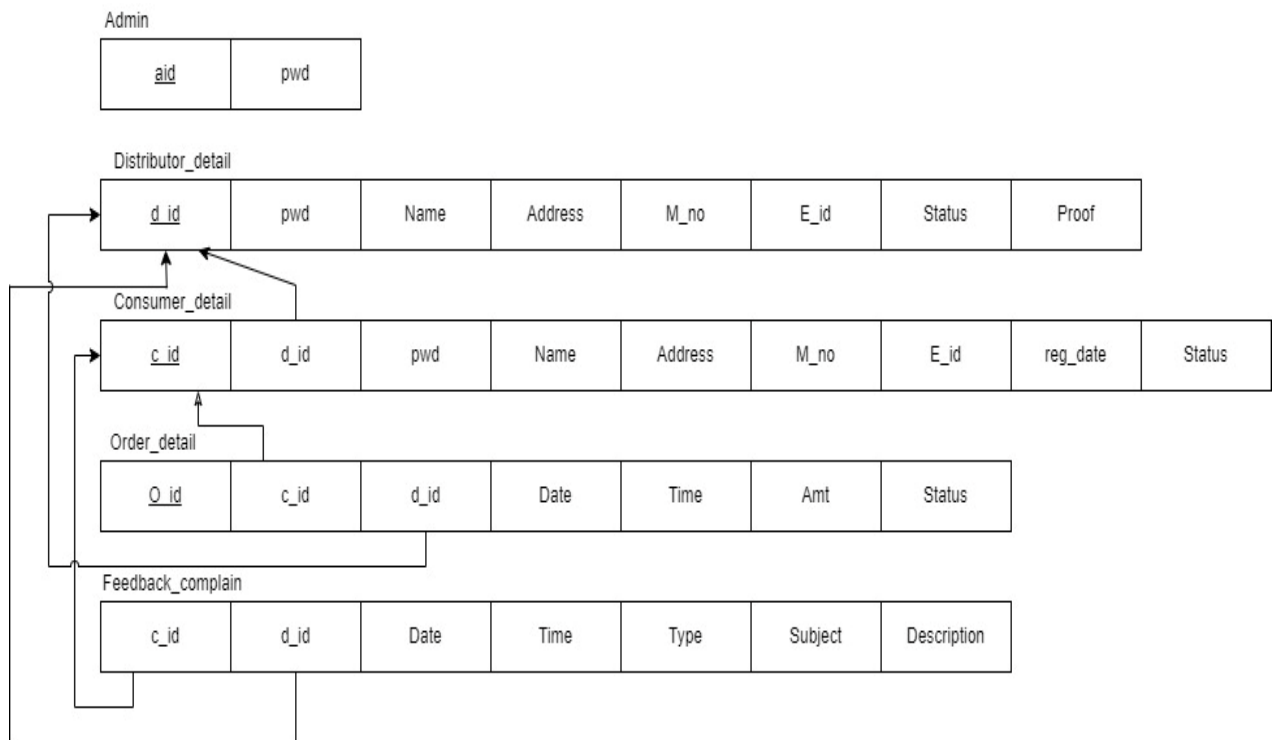
Schema Diagram:

Fig 3.4: Relational Schema Model of Gas Agency Management System

3.5 Entity :

Basic object that the ER model represent in an entity, which is a thing in the real world with an independent existence. An entity may be an object with a physical existence (e.g. a company, a job or a universally course).

3.6 Attribute :

Each entity has attributes. It is a particular property that describes entity. For example, an employee entity maybe described by the employee's name, age, address, salary and job. A particular entity will have a value for each of its attributes. The attribute value that describes each entity becomes a major part of the data stored in the database.

CHAPTER 4

CODING

4.1 CREATION OF TABLE

ADMIN

```
CREATE TABLE `admin` (
  `aid` int(10) NOT NULL,
  `pwd` varchar(16) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


INSERT INTO `admin` (`aid`, `pwd`) VALUES
(1, 'rootroot');
```

CONSUMER DETAILS

```
CREATE TABLE `consumer_detail` (
  `cid` int(10) NOT NULL,
  `did` int(5) NOT NULL,
  `pwd` varchar(16) DEFAULT NULL,
  `name` varchar(30) NOT NULL,
  `address` varchar(100) NOT NULL,
  `city` varchar(10) NOT NULL,
  `pin` int(6) NOT NULL,
  `m_no` bigint(10) NOT NULL,
  `e_id` varchar(30) NOT NULL,
  `reg_date` date DEFAULT NULL,
  `status` varchar(15) NOT NULL DEFAULT 'Not Registered'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

DISTRIBUTOR DETAIL

CREATE TABLE `distributor_detail` (

 `did` int(5) NOT NULL,

 `pwd` varchar(16) NOT NULL,

 `name` varchar(20) NOT NULL,

 `address` varchar(100) NOT NULL,

 `city` varchar(10) NOT NULL,

 `pin` int(6) NOT NULL,

 `m_no` bigint(10) NOT NULL,

 `e_id` varchar(30) NOT NULL,

 `status` varchar(10) NOT NULL DEFAULT 'Deactive',

 `proof` text NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

FEEDBACK COMPLAIN

CREATE TABLE `feedback_complain` (

 `cid` int(10) NOT NULL,

 `did` int(5) NOT NULL,

 `date` date NOT NULL,

 `time` time NOT NULL,

 `type` varchar(10) NOT NULL,

 `subject` varchar(30) NOT NULL,

 `description` varchar(300) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

ORDER DETAIL

CREATE TABLE `order_detail` (

 `oid` int(10) NOT NULL,

 `cid` int(10) NOT NULL,

 `did` int(5) NOT NULL,

 `date` date NOT NULL,

`time` time NOT NULL,

`amt` float NOT NULL DEFAULT '475',

`status` varchar(20) NOT NULL DEFAULT 'Pending'

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

4.2 INSERTION OF VALUES IN THE TABLE:

ADMIN

INSERT INTO `admin` (`aid`, `pwd`) VALUES

(1, 'rootroot');

CONSUMER DETAIL

INSERT INTO `consumer_detail` (`cid`, `did`, `pwd`, `name`, `address`, `city`, `pin`, `m_no`, `e_id`, `reg_date`, `status`) VALUES

(2, 1, '111111', 'Raj Pravinbhai Zalavadiya', '201,Sai Darshan, Nana Varachha', 'Surat', 394525, 8787954652, 'raj@outlook.com', '2018-02-07', 'Deactive'),

(3, 2, '333333', 'Biren V. Gadhiya', 'B12, Khodiyar row house, Katargam', 'Ahmedabad', 366666, 7877777777, 'bg@outlook.com', '2018-02-08', 'Active'),

(5, 1, '555555', 'Jenish Kishorbhai Mangukiya', 'D2/304, Gangotri rec., Sudama chowk, Mota Varachha', 'Surat', 394101, 9904436106, 'mjenish8@gmail.com', '2018-02-09', 'Active'),

(6, 1, NULL, 'Krunal Dineshbhai Lukhi', '21, White House, Panvel point road', 'Surat', 394101, 9876543210, 'kd_likhi@gmail.com', NULL, 'Not Registered'),

(225, 1, '225225', 'Ravi K. Kanpara', '22', 'Surat', 388554, 8565655521, 'ravi@gmail.com', '2018-02-21', 'Active');

DISTRIBUTOR DETAIL

INSERT INTO `distributor_detail` (`did`, `pwd`, `name`, `address`, `city`, `pin`, `m_no`, `e_id`, `status`, `proof`) VALUES

(1, '111111', 'Jai Ganesh Agency', 'D12, GIDC-Kapodra', 'Surat', 384511, 8200703812, 'jganesh@gmail.com', 'Active', 'distributor/proof/1.jpg'),

(2, '222222', 'Gitanjali PVT LTD', '12, Amazon plaza, Ring road', 'Ahmedabad', 355002, 8547856321, 'gpvtltd@hotmail.com', 'Active', 'distributor/proof/2.jpg'),

(9, '111111', 'Nandan LTD', '12, Birla Mart, Behind Maruti Chowk', 'Bhavnagar', 555656, 7898765421, 'nan@ymail.com', 'Active', 'distributor/proof/9.jpg'),

(10, '333333', 'Tapovan Group', 'A55, JZ Shopping Mart, LH road', 'Vadodara', 366444, 9875452121, 'tapo@gmail.com', 'Deactive', 'distributor/proof/10.png');

FEEDBACK COMPLAIN

INSERT INTO `feedback_complain` (`cid`, `did`, `date`, `time`, `type`, `subject`, `description`) VALUES

(5, 1, '2018-02-25', '10:34:46', 'Feedback', 'Product related', 'Last product delivery taken two weeks.'),

(5, 1, '2018-02-25', '10:34:53', 'Feedback', 'Website related', 'Your website\'s interface is awesome.'),

(225, 1, '2018-02-25', '10:35:48', 'Complaint', 'Defected Product', 'Delivered product is defected.'),

(225, 1, '2018-02-25', '10:35:54', 'Feedback', 'Website related', 'Good user-interface.'),

(3, 2, '2018-04-06', '18:14:48', 'Complaint', 'Notification related', 'Since two month, I didn\'t getting any SMS/Email regarding product delivery, I am doing manually by checking order status in website. Please fix this issue.');

ORDER DETAIL

INSERT INTO `order_detail` (`oid`, `cid`, `did`, `date`, `time`, `amt`, `status`) VALUES

(10, 5, 1, '2018-02-14', '10:07:17', 475, 'Delivered'),

(15, 5, 1, '2018-02-14', '10:15:24', 475, 'Delivered'),

(16, 5, 1, '2018-02-14', '11:13:52', 475, 'Delivered'),

(17, 225, 1, '2018-02-21', '10:10:04', 475, 'Delivered'),

(18, 225, 1, '2018-02-26', '10:04:35', 475, 'Approved'),

(19, 5, 1, '2018-03-21', '18:36:45', 475, 'Delivered'),

(24, 5, 1, '2018-03-22', '13:32:31', 475, 'Pending'),

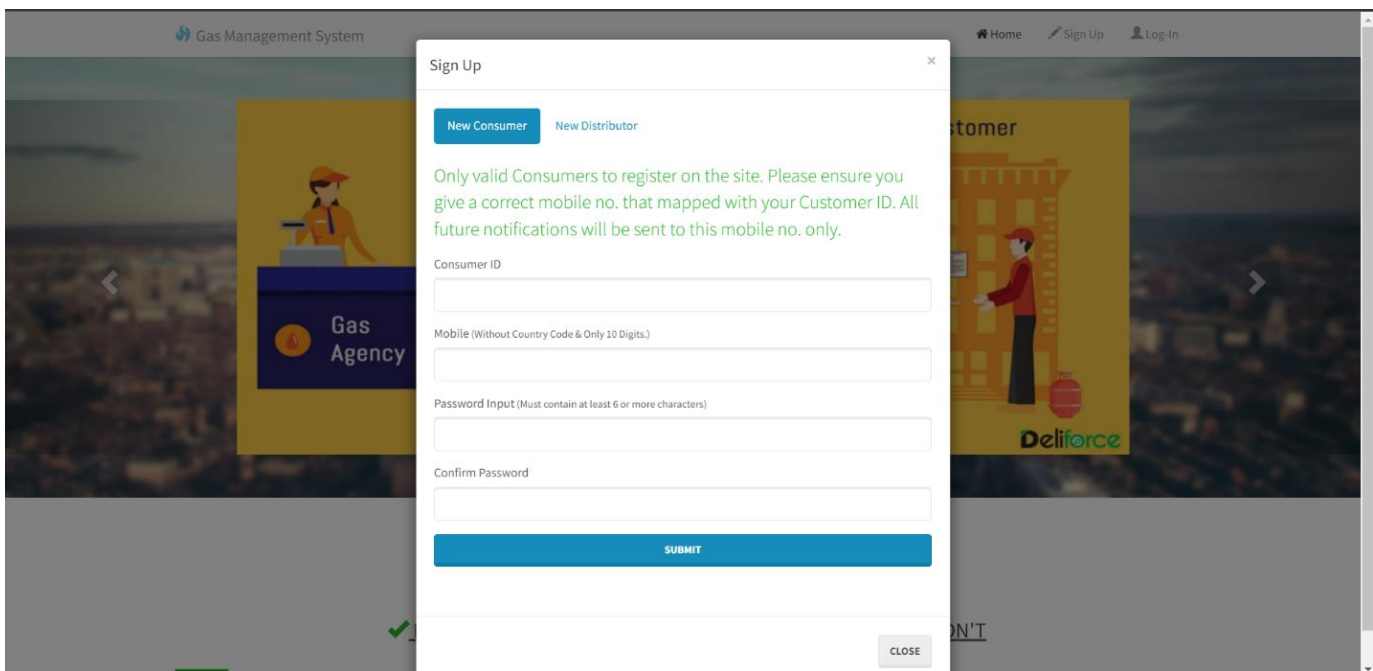(25, 3, 2, '2018-04-06', '17:39:56', 475, 'Pending');

CHAPTER 5

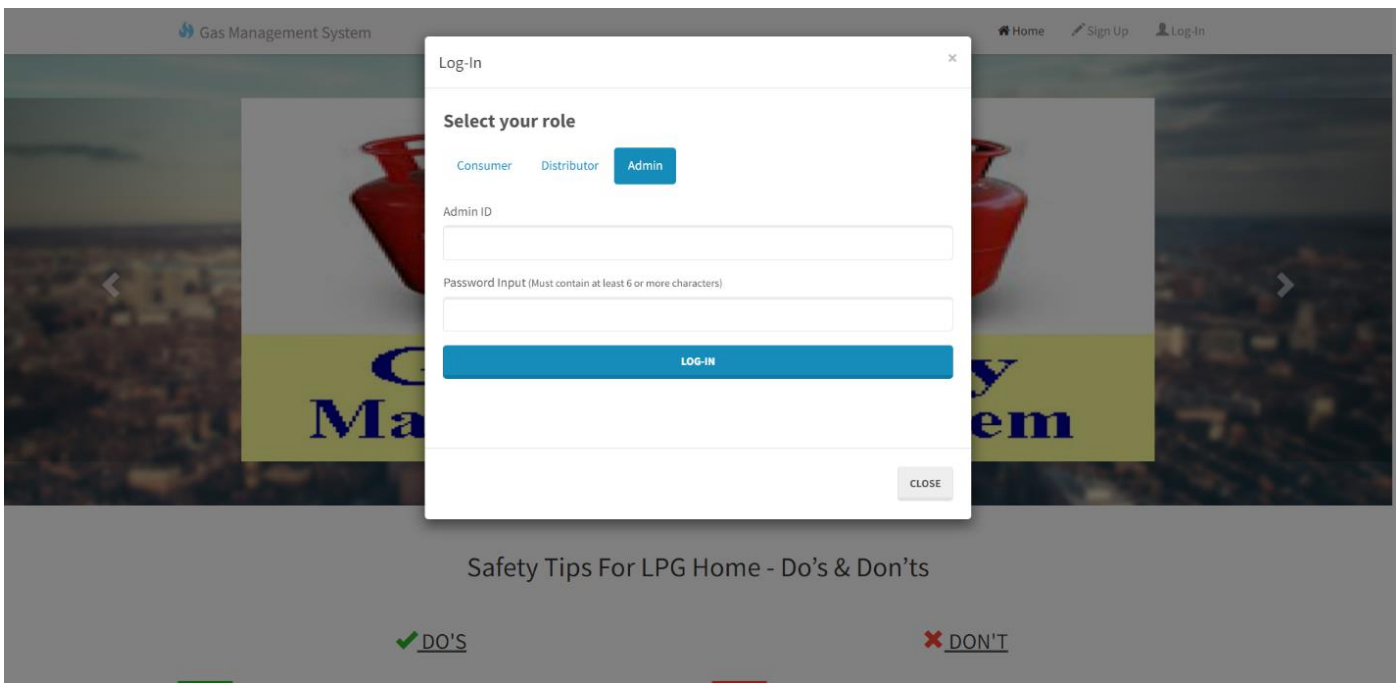# SNAPSHOTS

5.1 Frontend Structure

Fig 5.1.1 Homepage

Fig 5.1.2 Home Page Of DO's and DON'T

Fig 5.1.3 Sign Up Window

Fig 5.1.4 Log In Window

Fig 5.1.5 Admin Dashboard
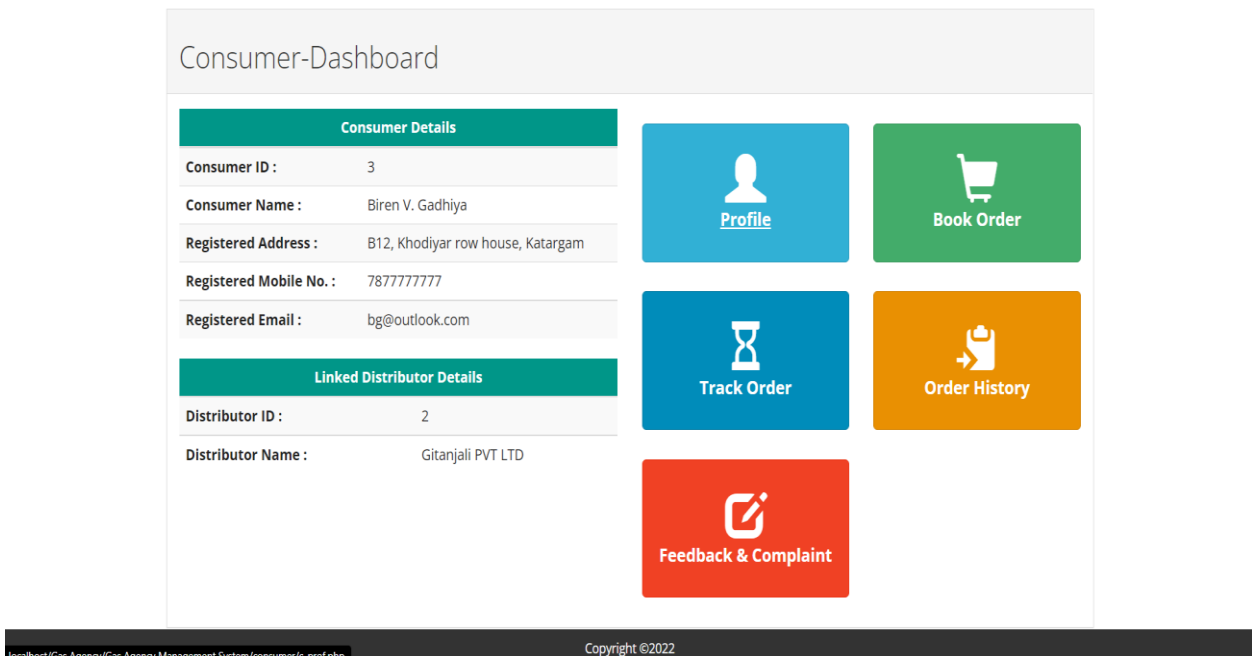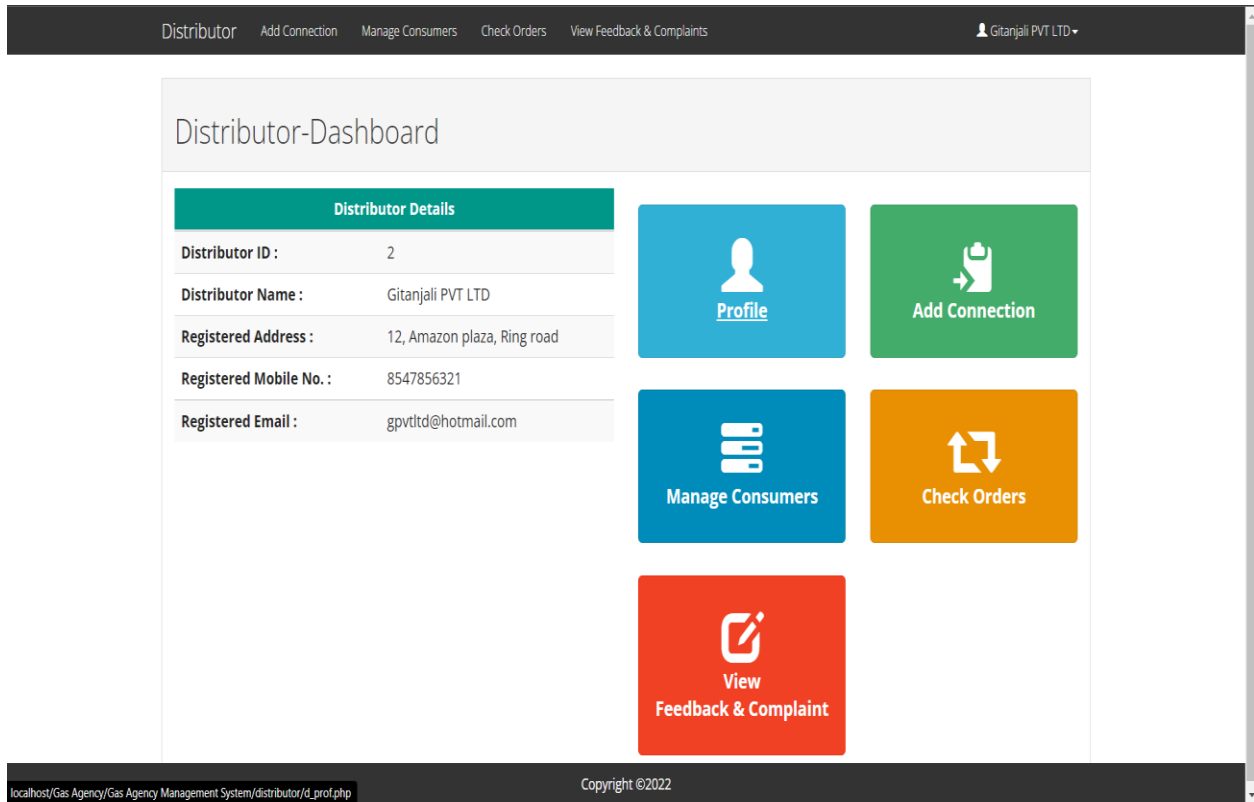
Fig 5.1.6 Consumer Dashboard

Fig 5.1.7 Distributor Dashboard

Fig 5.1.8 Feedback and Complain Page

5.2 Table Structure:

ADMIN

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	aid	int(10)			No	None		AUTO_INCREMENT	Change Drop More
2	pwd	varchar(16)	latin1_swedish_ci		No	None			Change Drop More

Check all — With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

CONSUMER DETAIL

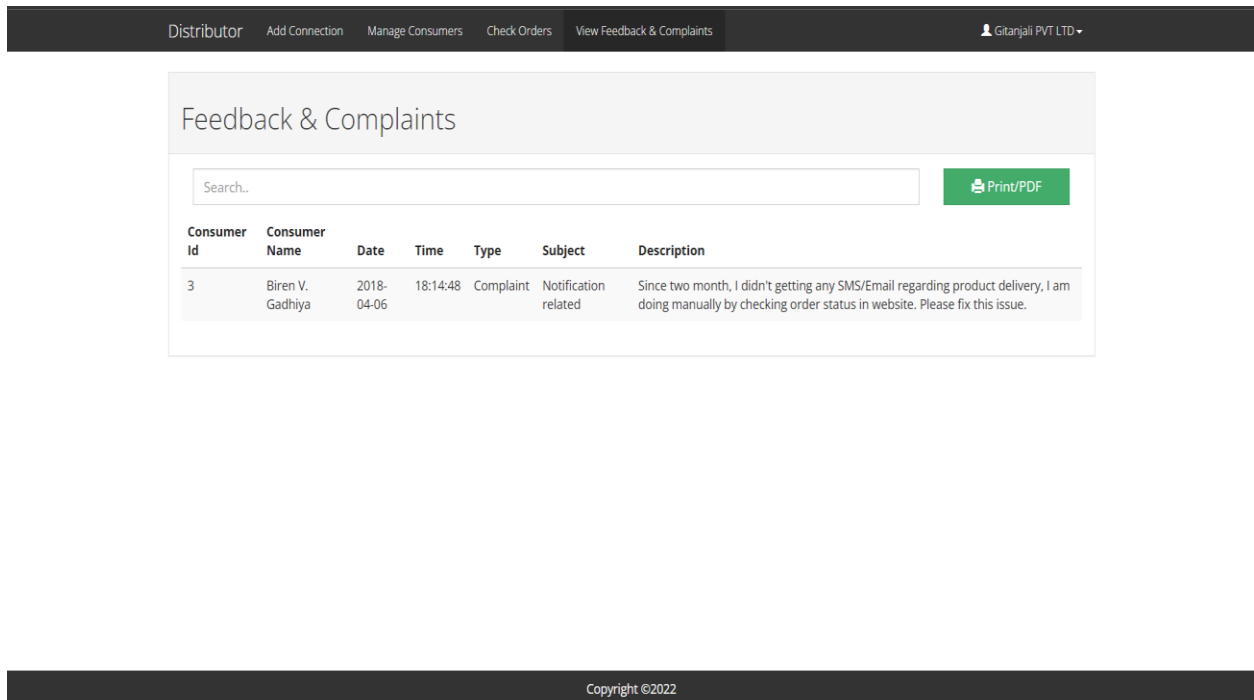| #	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	cid	int(10)			No	None		AUTO_INCREMENT	Change Drop More
2	did	int(5)			No	None			Change Drop More
3	pwd	varchar(16)	latin1_swedish_ci		Yes	NULL			Change Drop More
4	name	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
5	address	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
6	city	varchar(10)	latin1_swedish_ci		No	None			Change Drop More
7	pin	int(6)			No	None			Change Drop More
8	m_no	bigint(10)			No	None			Change Drop More
9	e_id	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
10	reg_date	date			Yes	NULL			Change Drop More
11	status	varchar(15)	latin1_swedish_ci		No	Not Registered			Change Drop More

Check all — With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

DISTRIBUTOR DETAIL

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	did	int(5)			No	None		AUTO_INCREMENT	Change Drop More
2	pwd	varchar(16)	latin1_swedish_ci		No	None			Change Drop More
3	name	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
4	address	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
5	city	varchar(10)	latin1_swedish_ci		No	None			Change Drop More
6	pin	int(6)			No	None			Change Drop More
7	m_no	bigint(10)			No	None			Change Drop More
8	e_id	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
9	status	varchar(10)	latin1_swedish_ci		No	Deactive			Change Drop More
10	proof	text		latin1_swedish_ci	No	None			Change Drop More

Check all — With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

FEEDBACK COMPLAIN

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	cid	int(10)			No	None			Change Drop More
2	did	int(5)			No	None			Change Drop More
3	date	date			No	None			Change Drop More
4	time	time			No	None			Change Drop More
5	type	varchar(10)	latin1_swedish_ci		No	None			Change Drop More
6	subject	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
7	description	varchar(300)	latin1_swedish_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

ORDER DETAIL

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	oid	int(10)			No	None		AUTO_INCREMENT	Change Drop More
2	cid	int(10)			No	None			Change Drop More
3	did	int(5)			No	None			Change Drop More
4	date	date			No	None			Change Drop More
5	time	time			No	None			Change Drop More
6	amt	float			No	475			Change Drop More
7	status	varchar(20)	latin1_swedish_ci		No	Pending			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

5.3 Table Result:

✔ Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

SELECT * FROM admin;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄ Filter rows: Search this table

⊦ Options

				aid	pwd
☐	🖉 Edit	⧉ Copy	⊖ Delete	1	adminroot

↑ ☐ Check all With selected: 🖉 Edit ⧉ Copy ⊖ Delete 📥 Export

✔ Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

SELECT * FROM consumer_detail;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄ Filter rows: Search this table Sort by key: None ⌄

+ Options

				cid	did	pwd	name	address	city	pin	m_no	e_id	reg_date	status
☐	🖉 Edit	⧉ Copy	⊝ Delete	2	1	111111	Raj Pravinbhai Zalavadiya	201,Sai Darshan, Nana Varachha	Surat	394525	8787954652	raj@outlook.com	2018-02-07	Deactive
☐	🖉 Edit	⧉ Copy	⊝ Delete	3	2	333333	Biren V. Gadhiya	B12, Khodiyar row house, Katargam	Ahmedabad	366666	7877777777	bg@outlook.com	2018-02-08	Active
☐	🖉 Edit	⧉ Copy	⊝ Delete	5	1	555555	Jenish Kishorbhai Mangukiya	D2/304, Gangotri rec., Sudama chowk, Mota Varachha	Surat	394101	9904436106	mjenish8@gmail.com	2018-02-09	Active
☐	🖉 Edit	⧉ Copy	⊝ Delete	6	1	NULL	Krunal Dineshbhai Lukhi	21, White House, Panvel point road	Surat	394101	9876543210	kd_likhi@gmail.com	NULL	Not Registered
☐	🖉 Edit	⧉ Copy	⊝ Delete	225	1	225225	Ravi K. Kanpara	22	Surat	388554	8565655521	ravi@gmail.com	2018-02-21	Active

↑ ☐ Check all With selected: 🖉 Edit ⧉ Copy ⊝ Delete 📥 Export

✔ Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

SELECT * FROM distributor_detail;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄ Filter rows: Search this table Sort by key: None ⌄

+ Options

				did	pwd	name	address	city	pin	m_no	e_id	status	proof
☐	🖉 Edit	⧉ Copy	⊝ Delete	1	111111	Jai Ganesh Agency	D12, GIDC-Ka...	Surat	394511	8200703812	jganesh@gmail.com	Active	distributor/proof/1.jpg
☐	🖉 Edit	⧉ Copy	⊝ Delete	2	222222	Gitanjali PVT LTD	12, Amazon pla...		5002	8547856321	gpvtltd@hotmail.com	Active	distributor/proof/2.jpg
☐	🖉 Edit	⧉ Copy	⊝ Delete	9	111111	Nandan LTD	12, Birla Mart, Behind Maruti Chowk	Bhavnagar	555656	7898765421	nan@ymail.com	Active	distributor/proof/9.jpg
☐	🖉 Edit	⧉ Copy	⊝ Delete	10	333333	Tapovan Group	A55, JZ Shopping Mart, LH road	Vadodara	366444	9875452121	tapo@gmail.com	Deactive	distributor/proof/10.png
☐	🖉 Edit	⧉ Copy	⊝ Delete	11	bibek123	Bibek	Nagarbhavi	Bhavnagar	560056	7874526582	bibek123@gmail.com	Deactive	distributor/proof/11.jpg

- Drag to reorder.
- Click to mark/unmark.
- Double-click to copy column name.

↑ ☐ Check all With selected: 🖉 Edit ⧉ Copy ⊝ Delete 📥 Export

☐ Show all | Number of rows: 25 ⌄ Filter rows: Search this table Sort by key: None ⌄

Query results operations

✔ Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

SELECT * FROM feedback_complain;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄ Filter rows: Search this table Sort by key: None ⌄

+ Options

cid	did	date	time	type	subject	description
5	1	2018-02-25	10:34:46	Feedback	Product related	Last product delivery taken two weeks.
5	1	2018-02-25	10:34:53	Feedback	Website related	Your website's interface is awesome.
225	1	2018-02-25	10:35:48	Complaint	Defected Product	Delivered product is defected.
225	1	2018-02-25	10:35:54	Feedback	Website related	Good user-interface.
3	2	2018-04-06	18:14:48	Complaint	Notification related	Since two month, I didn't getting any SMS/Email re...

☐ Show all | Number of rows: 25 ⌄ Filter rows: Search this table Sort by key: None ⌄

✔ Showing rows 0 - 7 (8 total, Query took 0.0003 seconds.)

SELECT * FROM order_detail;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄ Filter rows: Search this table Sort by key: None ⌄

+ Options

			oid	cid	did	date	time	amt	status
☐	🖉 Edit	⅀ Copy ⊘ Delete	10	5	1	2018-02-14	10:07:17	475	Delivered
☐	🖉 Edit	⅀ Copy ⊘ Delete	15	5	1	2018-02-14	10:15:24	475	Delivered
☐	🖉 Edit	⅀ Copy ⊘ Delete	16	5	1	2018-02-14	11:13:52	475	Delivered
☐	🖉 Edit	⅀ Copy ⊘ Delete	17	225	1	2018-02-21	10:10:04	475	Delivered
☐	🖉 Edit	⅀ Copy ⊘ Delete	18	225	1	2018-02-26	10:04:35	475	Approved
☐	🖉 Edit	⅀ Copy ⊘ Delete	19	5	1	2018-03-21	18:36:45	475	Delivered
☐	🖉 Edit	⅀ Copy ⊘ Delete	24	5	1	2018-03-22	13:32:31	475	Pending
☐	🖉 Edit	⅀ Copy ⊘ Delete	25	3	2	2018-04-06	17:39:56	475	Pending

↑ ☐ Check all   With selected: 🖉 Edit   ⅀ Copy   ⊘ Delete   📤 Export

QUERIES

1. Retrieve name of the consumer who has registered under Jai Ganesh Agency.

    SELECT name

    FROM consumer_detail

    WHERE did = 1;

name
Raj Pravinbhai Zalavadiya
Jenish Kishorbhai Mangukiya
Krunal Dineshbhai Lukhi
Ravi K. Kanpara

2. List the name, mobile no. and email of the customer who lives in surat.

    SELECT name,m_no,e_id,city

    FROM consumer_detail

    WHERE city = 'surat';

name	m_no	e_id	city
Raj Pravinbhai Zalavadiya	8787954652	raj@outlook.com	Surat
Jenish Kishorbhai Mangukiya	9904436106	mjenish8@gmail.com	Surat
Krunal Dineshbhai Lukhi	9876543210	kd_likhi@gmail.com	Surat
Ravi K. Kanpara	8565655521	ravi@gmail.com	Surat

3.Select the name of consumer with their status.

SELECT cid,name,status

FROM consumer_detail;

cid	name	STATUS
2	Raj Pravinbhai Zalavadiya	Deactive
3	Biren V. Gadhiya	Active
5	Jenish Kishorbhai Mangukiya	Active
6	Krunal Dineshbhai Lukhi	Not Registered
225	Ravi K. Kanpara	Active

4.List the name of Distributor with their full address and status.

SELECT did,name,address,city,pin,m_no,e_id,status

FROM distributor_detail;

did	name	address	city	pin	m_no	e_id	status
1	Jai Ganesh Agency	D12, GIDC-Kapodra	Surat	384511	8200703812	jganesh@gmail.com	Active
2	Gitanjali PVT LTD	12, Amazon plaza, Ring road	Ahmedabad	355002	8547856321	gpvtltd@hotmail.com	Active
9	Nandan LTD	12, Birla Mart, Behind Maruti Chowk	Bhavnagar	555656	7898765421	nan@ymail.com	Active
10	Tapovan Group	A55, JZ Shopping Mart, LH road	Vadodara	366444	9875452121	tapo@gmail.com	Deactive
11	Bibek	Nagarbhavi	Bhavnagar	560056	7874526582	bibek123@gmail.com	Deactive

5.List out all the feedback complain registered.

SELECT * FROM `feedback_complain`

cid	did	date	time	type	subject	description
5	1	2018-02-25	10:34:46	Feedback	Product related	Last product delivery taken two weeks.
5	1	2018-02-25	10:34:53	Feedback	Website related	Your website's interface is awesome.
225	1	2018-02-25	10:35:48	Complaint	Defected Product	Delivered product is defected.
225	1	2018-02-25	10:35:54	Feedback	Website related	Good user-interface.
3	2	2018-04-06	18:14:48	Complaint	Notification related	Since two month, I didn't getting any SMS/Email re...

6.Retrieve the name of customers whose order has been delivered.

SELECT c.name

 FROM consumer_detail c, order_detail o

WHERE o.cid = c.cid and o.status = 'Delivered';

name
Jenish Kishorbhai Mangukiya
Jenish Kishorbhai Mangukiya
Jenish Kishorbhai Mangukiya
Ravi K. Kanpara
Jenish Kishorbhai Mangukiya

7. List out the name of customer with their no. of order.

SELECT o.cid,c.name,count(o.cid)

FROM order_detail o, consumer_detail c

WHERE o.cid = c.cid

GROUP BY o.cid

cid	name	count(o.cid)
3	Biren V. Gadhiya	1
5	Jenish Kishorbhai Mangukiya	5
225	Ravi K. Kanpara	2

CONCLUSION

The project Gas Agency Management System is for computerizing the working in a gas agency. The software takes care of all the requirements of an average gas agency and is capable to provide easy and efficiency storage of information related to overall transaction of all the branches of a agency. It generates transaction report of a customer and cylinders provided to the customers.

There is always a scope of betterment and the candidate system is not against this perception. At present the system satisfy most of the functions of Gas Agency management system. This project is especially designed for Gas Agency to take appropriate steps to improve the working standard and documentation through computerization.

- Generating the important report on day wise or month wise.

- Storing large amount of data for future point of view.

- Reducing manual efforts for maintaining the system.

- Assures security and validity.

- Provision for enhancement without disturbing the developed modules.

BIBLIOGRAPHY

Few of the books and websites that were instrumental in helping us to complete this project are as mentioned below:

BOOKS

- o Elmasri and Navathe, "Fundamental of Database System", Addison-Wesley,5th Edition 2007

- o Database System Concepts, 6th Edition by Silberschatz, Korth and Sudarshan

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