CHAPTER 1

INTRODUCTION

With the advent of internet for Booking a Gas Cylinder has become an easy task. Gas Agency System is an application developed using html, CSS, Javascript, Php and Mysql technologies which connects User and Gas Agencies where Users register themselves and book for Gas using the system. And the Agency Managers can also register as gas agencies and view and make deliveries for the orders that they have received ,only the registered User can book for Gas Cylinders and view status of booked Gas. The Agency manager can add new staff members or delete them . The status of the Order can be changed by the agency manager and also specifying the staff member who delivered it.

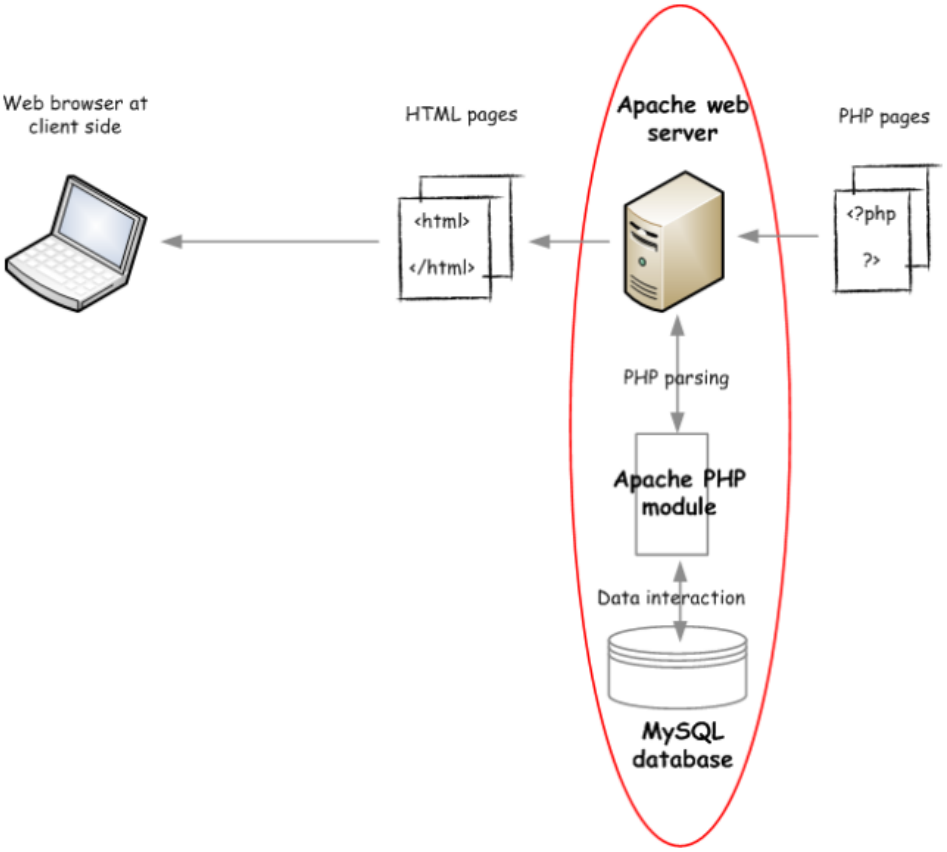

Fig1.1 XAMPP Control Flow Chart

CHAPTER 2

SYSTEM ANALYSIS

2.1 Literature Survey

A literature survey for a gas agency management system would involve researching existing systems and methodologies used in the management and distribution of gas. This could include reviewing studies and articles on topics such as supply chain management, inventory management, distribution logistics, and customer relationship management as they pertain to the gas industry. Additionally, it may also involve investigating any existing software or technology solutions that are currently being used in the industry to manage and optimize gas distribution. The goal of the literature survey would be to gain a comprehensive understanding of the current state of the industry and identify areas for improvement or potential solutions to common challenges faced by gas agencies.

2.2 Proposed System

There are many disadvantages and drawbacks in manual system. We can solve this problem by using the computer based system. Our proposed system is computer based which can be very effective. Many advantages are there in this type of gas agency system. The main advantages of this proposed system are:

1. **Security**: The software used for this gas agency system include the password, so the security is provided. When anyone opens the software it has the provision for entering password. We have to enter the correct password; otherwise we cannot enter into the system. Password is saved in system registry for more security.
2. **User Friendly**: This package is very user friendly because it is easy to maintain and operate. All data entry operations are simple, administrator wants only enter data and all other operations are performed by the computer.

3. **Speed And Accuracy**: Computerization process increases the speed of all the operations. The manpower is reduced. Instead of doing all operation manually, computer will do it automatically. It also increases the accuracy of all the operations performed.
4. **Efficiency And Flexibility:** The flexibility and the efficiency of all the operation in this gas agency system is increased because of the computerization. No errors are occurred compared to the manual system. Instead of searching lot of data, we can produce report in a few seconds
5. **Formatted Output**: Each output of the proposed system is formatted in such a way so as to allow easy decision making . we can print the profile easily using data reports.

2.2.1 Scope of the project

The scope of a gas agency management system project would likely include the following components:

Customer management: This would include the ability to add, edit, and delete customer information, as well as track their gas consumption and billing history.

Inventory management: This would allow for tracking and updating the stock levels of gas, as well as monitoring deliveries and managing supplier information.

Order and delivery management: This would enable the creation and tracking of orders for gas, as well as scheduling and managing deliveries to customers.

Billing and invoicing: This would include the ability to generate bills for customers based on their consumption and any applicable fees, as well as the ability to process payments and manage outstanding balances.

Reporting and analytics: This would provide the ability to generate various reports and analyze data, such as customer consumption patterns, sales trends, and inventory levels.

User management: This would allow for creating, editing, and deleting user accounts and assigning roles and permissions.

Mobile Application: This will allow customers to place orders, view their consumption history, and pay bills via mobile.

Other features: Depending on the specific requirements of the project, additional features such as SMS and email notifications, automatic reminders, and integration with other systems may also be included.

2.2.2 Aim of the project

The aim of a gas agency management system project would be to automate and streamline the various processes and tasks involved in managing a gas agency, including customer management, inventory management, order and delivery management, billing and invoicing, and reporting and analytics. The overall goal of the project would be to improve efficiency and accuracy, reduce errors, and provide better visibility and control over the agency's operations. The system would also aim to provide better customer service, by allowing customers to place orders, view their consumption history, and pay bills via mobile. Additionally, the aim of the project could also be to improve the overall customer experience by providing SMS and email notifications, automatic reminders, and integration with other systems, if required.

CHAPTER 3

REQUIREMENT SPECIFICATIONS

3.1 System Requirements

- Windows XP/7/8/10
- Linux
- DBMS
- NetBeans IDE 8.0.2
- SQL databases

3.1.1 Hardware Configuration

- Core to Dual or above
- 2 GB RAM
- 25 GB Free Hard disk space
- Network interface card or Modem
- LAN Network

3.1.2 Software Configuration

- Windows 2000/Windows 7
- Xampp server
- My sql

3.2 Development Environment

- Sql server
- Apache server

CHAPTER 4

SYSTEM DESIGN

4.1 ER DIAGRAM

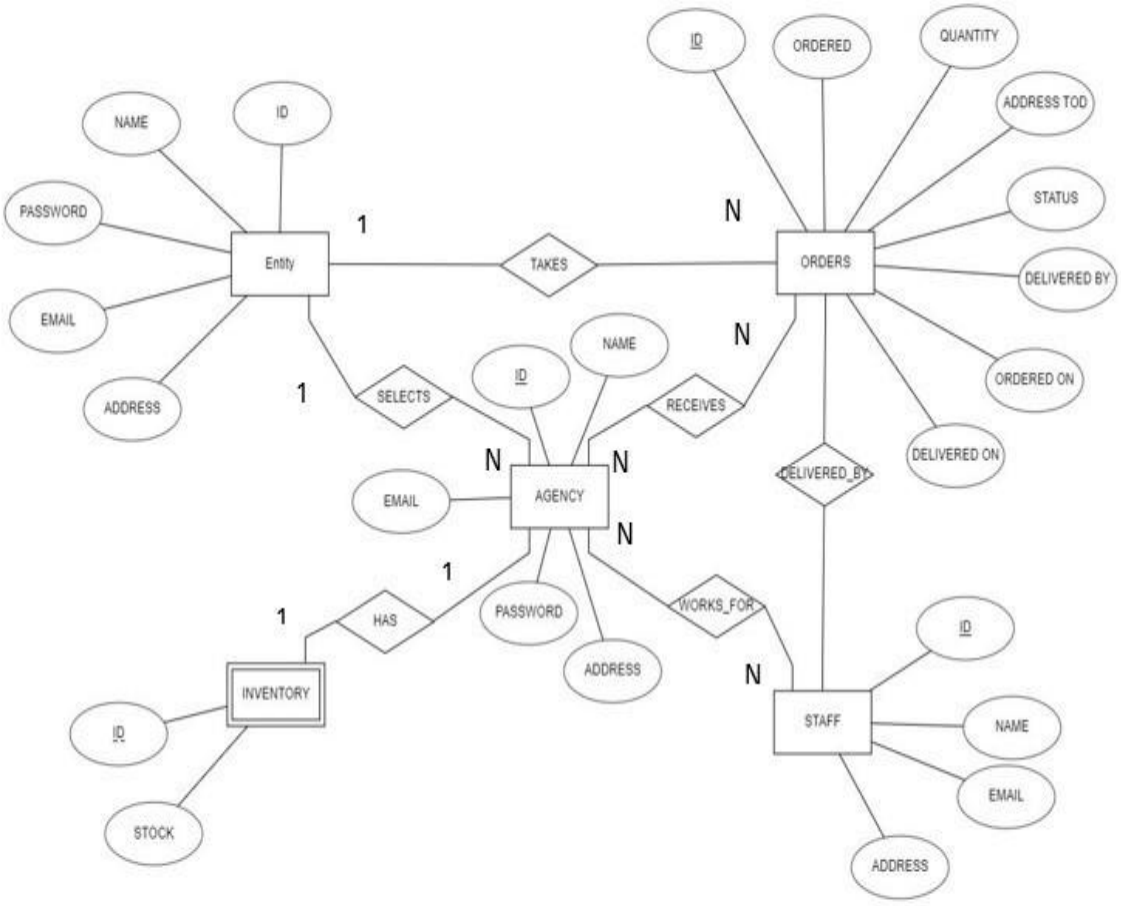

Fig 4.1 E R Diagram of Gas Agency Management System

4.2 SCHEMA DIAGRAM

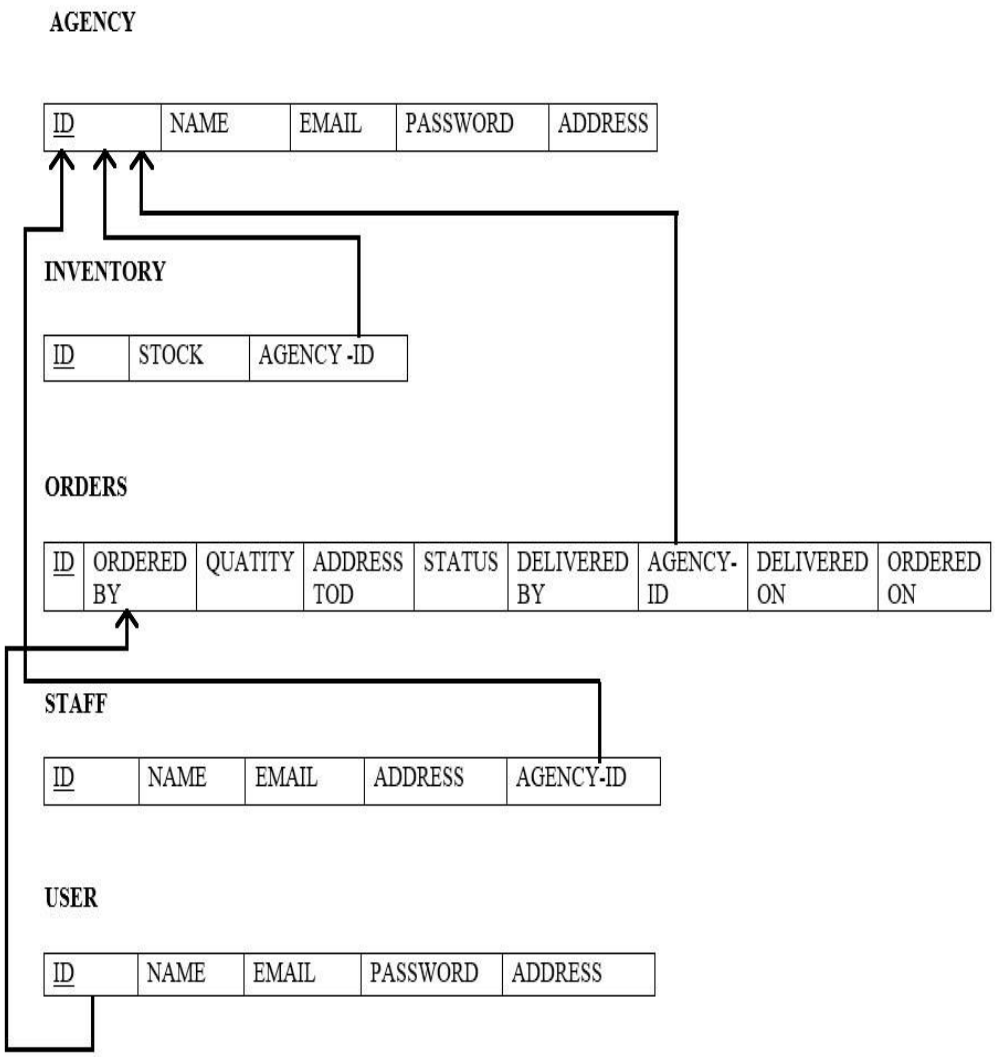

Fig 4.2 Schema Diagram Of Gas Agency Management System