# Software Requirement Specification

**For**

**Gas Agency Management System**

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### Project Scope:

The project entitled Gas Agency is done to make the manual process easier by making it a computerized system for billing and maintaining stock.

### Overall Description:

The software program “Gas agency system” provides gas connection

System, a facility to take new connection in that area, booking for cylinder, and different types of enquiry. The front end used for this project is Java. It is a development tool with multi facet advantages. It provides a good working environment which is easy to learn and use. The back end used for this Project is MY SQL. It is used because it is easy to handle

Database and firing any query to access database is simpler.

In this application, there is a facility for advance booking as well as for repairing services and data report is also generated for both individually, i.e. record is maintained in database separately for both type of services which can be accessed according to the need. There is also facility for cancellation of connection and all the entries are recorded on database.

The information given by the customer can also be updated on their demand, the complaints of the customers are managed and handled properly, a connection can be transferred to any other branch if the customer wants to transfer, and reports are generated for each task done by the system which is being fulfilled in this project effectively and efficiently.

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### User Interface:

|  |  |
| --- | --- |
| Front – End Software | Python |
| Back – End Software | MySQL |

1. **Software Interface:**

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| --- | --- |
| **Software Used** | **Description** |
| Operating System | We have to chosen operating system for its best support and user- friendliness |
| Database System | To save the customer records we have to chosen MySQL database |
| Python | To implement the project we have chosen Java language for its more interactive  Support |

1. **Hardware Interface:**
   * Windows
   * A browser which supports CGI, HTML & JavaScript.

### Limitations & Future Enhancement:

Due to time and financial constraints, the software that is developed covers only the aspect of gas agency and payments. The system is totally manual and hence management of large volume of data is difficult. Maintenance of Customer Detail, Package Information, Reservation Detail, Bill detail etc. is very time consuming and difficult and requires large manpower. Maintenance of paper work occupies large space and cost.

**Future Enhancements:**

* + In the computerized system the manual work is reduced by sorting the information in the databases and generating the reports with minimum time and energy loss. Also the activities such as data processing and information exchange can be done efficiently and effectively.
  + The organization is in need of various information required for the processing, problem solving and decision making, activities. Information processed by the computerized system can be generally more reliable than that is produced by the manual system, as human errors can be eliminated to the great extent. Once the program has to be written with appropriate validate checks, the error detection is done at the earliest possible stage before processing completes.