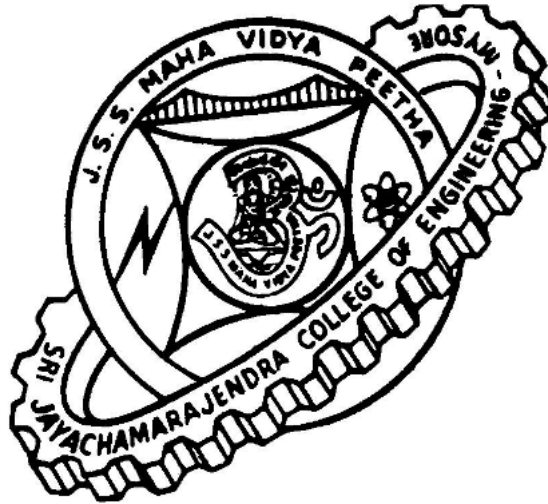


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Software Requirements Specification Document for
Telephone Bill Generation Software for Telecom District

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Contents

| | | |
|-----------|------------------------------------|----------|
| 1 | Objective | 1 |
| 1.1 | Overview | 1 |
| 2 | User Requirements: | 1 |
| 2.1 | Users of the System | 1 |
| 3 | System Requirements | 1 |
| 4 | Functional Requirements | 1 |
| 5 | Non-functional Requirements | 2 |
| 6 | Domain Requirements | 2 |
| 7 | Optional Features | 2 |
| 8 | User Interface | 2 |
| 9 | Tools to be used | 2 |
| 10 | Final Deliverable | 3 |

1 Objective

To develop consistent, robust and user-friendly software that generates bills for a telecommunication network provider to its customers of a telecom district.

1.1 Overview

The software will accept the metered readings and generate bills according to the tariffs set by the provider for various customers. Bills that are stored in the database can be retrieved and can be displayed. The software will also provide securities, so that only a specified user can handle the software.

2 User Requirements:

- Customer is able to login to his account to view the bill and the profile.
- Customer is also able to select the month and view the particular bill and its status (like due date).
- Clerk from the network provider is able to handle the database and generate bills.

2.1 Users of the System

- Customer
- Administrator
- Clerk

3 System Requirements

- System should maintain the database of customer, call logs and the bill. The database is maintained in a server.
- The Administrator maintains and monitors the entire system.
- Clerks generate the bill for the customers.
- Each customer can have multiple connections and each connection is of specific tariff. The customer must have maintained a deposit amount.
- Clerks and customers are able to view bills based on bill number or customer ID.

4 Functional Requirements

- Customer and his telephone number are basic requirements for bill generation. Each customer is provided with a unique customer ID.
- Customer can have different tariff plans.

- Call logs are maintained for each customer. Dialed calls are metered.
- Bill is generated based on meter reading and tariff at the end of each month. Taxes, Deposits, Debits and Credits are taken care of while billing. Each bill is assigned with a unique bill number.
- System adds due charges for late payment.
- Customers can view their bill and profile.
- An acknowledgement is provided for every payment of the bill.

5 Non-functional Requirements

- Every user is provided with a unique login name and password.
- None of users can modify the call log. Only administrator is able to modify the address of customer if necessary
- Payment of bill can be done either by cash, cheque or by DD.

6 Domain Requirements

- Bill Generation is for a telecom district.
- Call logs older than three months are cleared to free up disk space.

7 Optional Features

- The system is maintained using web interface and database software.
- Only call logs are generated using program to simulate user activities.

8 User Interface

- All users are interfaced using a browser.
- Use of Javascript for professional look and feel.

9 Tools to be used

- PHP Hypertext Preprocessor
- Javascript
- Web 2.0

10 Final Deliverable

- Archive of Product with Source code.
- Online Product (for simulation).
- Online Documentation (for simulation).

References

BSNL and AIRTEL Telephone Bills.

[BSNL Portal](#)

BSNL RTTC, TK Layout, Mysore - for enquiring on Bill Generation.

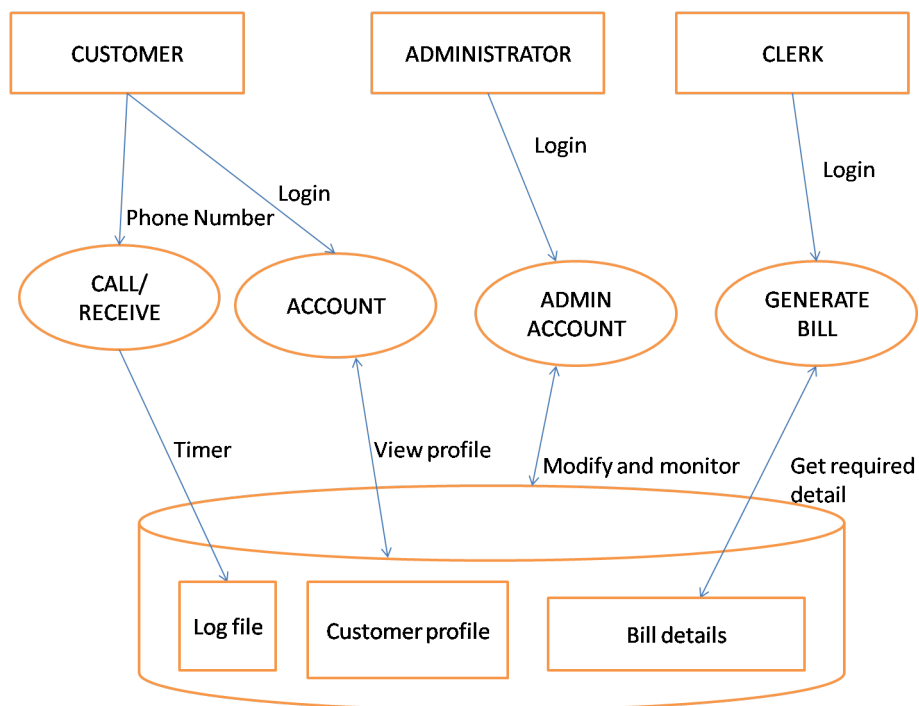


Figure 1: Billing Software Database as viewed from different users.