LPG DISTRIBUTION  
SYSTEM

Software Requirement Specification (SRS)

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1. User Login:

*Description:* User Can Login into System using correct credentials

*Input:* Username and Password.

*Output:* Home window if Credentials is correct otherwise error message.

1. Customer Management:

*Description:* Using this Functionality distributor user can create new customer, remove customer, change customer details.

R2.1 Create Customer

*Input:* Customer Details like name, Aadhaar number, address, contact number, type of connection.

*Output:* Success Message “Customer created Successfully”.

R2.2 Change Customer Details

*Input:* Customer Details for change.

*Output:* Success Message “Customer details updated Successfully”.

R2.3 Remove Customer

*Input:* Customer ID or Name

*Output:* Success Message “Customer removed Successfully”.

R2.4 Customer Details

*Description:* Distributor user can search customer by connection type, date, village, and view customer details.

*Input:* Required data to search records.

*Output:* List of Customers as per Input.

R2.5 Transfer Customer

*Description:* Distributor user can transfer customers from his agency to another agency.

*Input:* Selection of records and destination agency name

*Output:* Success Message “Transfer of Customers is Successfully done”.

1. Stock Management:

*Description:* Distributor user can add, view stock and can set price for cylinders, stoves and regulators.

R3.1 Add Stock

R3.1.1 Add Cylinders

*Input:* Numbers of various types of cylinders

*Output:* Success message

R3.1.2 Add Stoves and Regulators

*Input:* Numbers of various types of stoves and regulators

*Output:* Success message

R3.2 View Stock

*Input:* User selection

*Output:* Stock details of cylinders, stoves and regulators.

R3.3 Set Price

*Description:* Distributor user can set prices of cylinders, stoves and regulators.

*Input:* Prices of cylinders, stoves and regulators.

*Output:* Successful messag

1. Synchronization with Central Server:

*Description:* Distributor user can synchronize customer transactions, changes of customers’ details and stock data within given time period for a day.

*Input:* User selection

*Output:* Success message

*Process:* Transfer Local data like customer transactions, changes of customers’ details and stock data to central server.

1. Customer Transaction:

*Description:* Distributor user can book cylinders, print bill of cylinders, stoves and regulator.

R5.1 Book Cylinder

*Input:* User will search customer and select “Register Booking”.

*Output:* Successful message

*Process:* record of this transaction is saved in record with unique transaction number.

R5.2 Print Bill of Cylinder

*Input:* Single or multiple records of cylinder refilling.

*Output:* Bill will be printed for selected records.

R5.3 Print Bill for Stoves and Regulator

*Input:* Distributor user will enter details like customer name, stove and regulator quantity.

*Output:* Bill will be printed.

1. Accounting:

*Description:* Distributor user can get details of sold and purchased cylinders, stoves and regulators for period entered by user. User can also generate pdf of those details.

R6.1 Summary Report

*Input:* User Selection.

*Output:* Summarized Report.

R6.2 Cylinder Report

*Input:* User Selection.

*Output:* Report of Cylinders.

R6.3 Stove and Regulator Report

*Input:* User Selection.

*Output:* Report of Stoves and Regulator.