

A  
PROJECT REPORT ON

# **LPG Cylinders Distributor** **Software**

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**Subject: OOSE**

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## **CERTIFICATE**

This is to certify that the practical / term work carried out in the subject of

**OOSE** and recorded in. This journal is the bonafide work of

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## **ABSTRACT**

LPG cylinder has become a very essential part of today's human life culture. almost every house uses LPG for different purposes. Industrial use of LPG is also increasing day by day.

Still, LPG cylinder distributors don't have a proper system for their management. They use that pen and paper method, yet. From that problem, the idea clicks our mind about making a proper system for distributors.

Our system helps the distributor to manage the data of customers, transactions, stocks, bills and synchronization very effectively. A distributor can also book a cylinder and print the bill. Our system fulfils all requirements that a normal distributor wants nowadays.

- Developer Team  
(Devendrakumar & Smit)

# **INTRODUCTION**

LPG Distribution System is a windows application which developed especially for LPG Distributors. The aim of making this application is to decrease the burden of distributors who still work with data using a pen and paper system.

A distributor can manage Customer Details, Transactions, Bookings, Stocks, Reports and synchronization too. Our system provides facility to a distributor for generating bills in PDF format and making reports in Excel format. Every day at a given specific time distributor can synchronize the managed data with the global database. This process hardly completed within 2 minutes.

## **Tools/Technologies Used**

Technologies:	Entity Framework, WCF Service, Windows Forms, ITextSharp, MicrosoftOfficeInteropExcel, SQL Server Database
Tools:	Visual Studio 2019, SQL Server Management Studio 2018, Browser
Platform:	Windows

- Developer Team  
(Devendrakumar & Smit)

# **SOFTWARE REQUIREMENT SPECIFICATION**

## **for**

### **LPG CYLINDERS DISTRIBUTOR SOFTWARE**

#### **R1. 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.

#### **R2. 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”.

#### **R3. 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 message

## R4. 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.

## R5. 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.

## R6. 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.

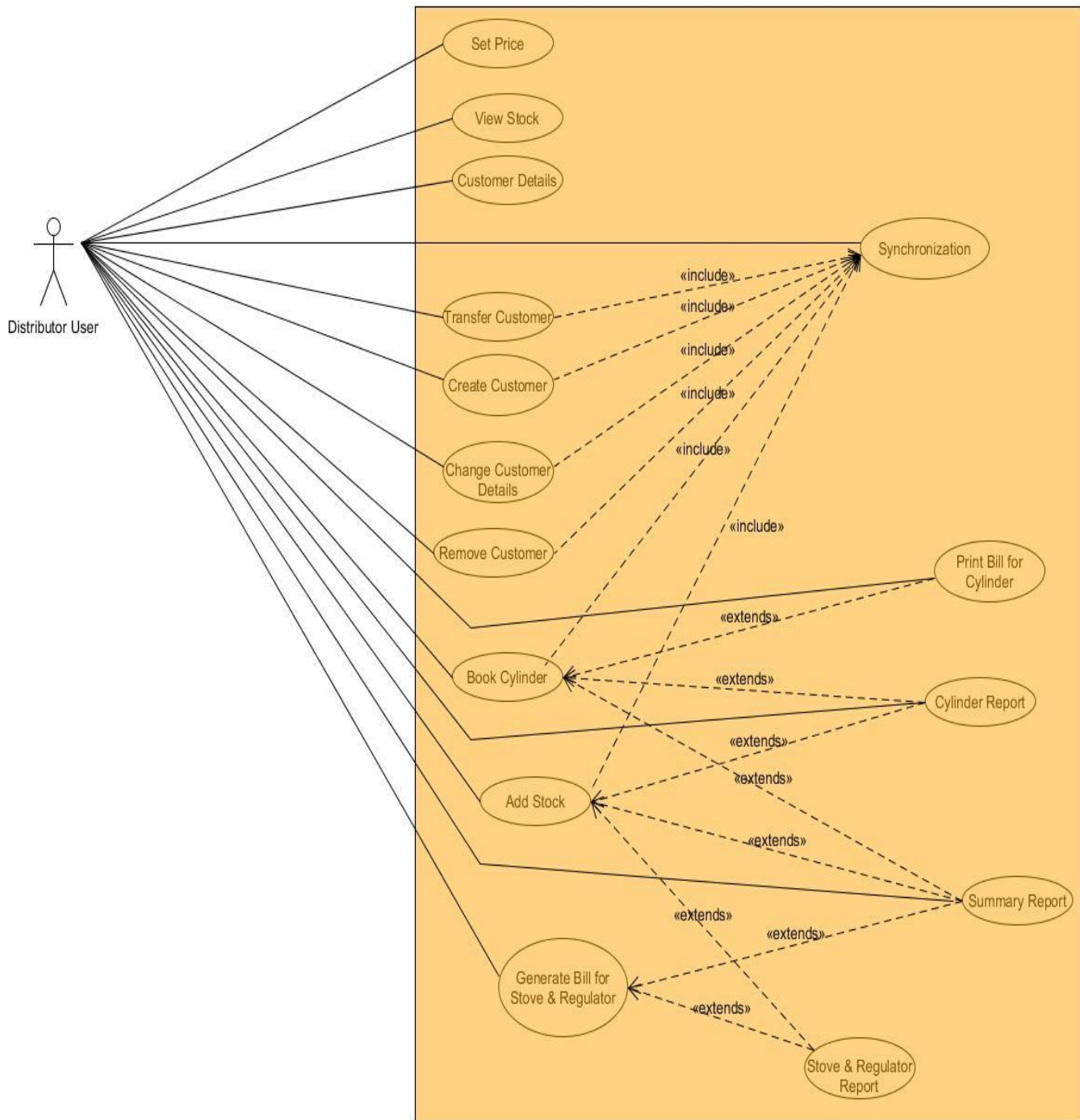
### R6.3 Stove and Regulator Report

*Input:* User Selection.

*Output:* Report of Stoves and Regulator.

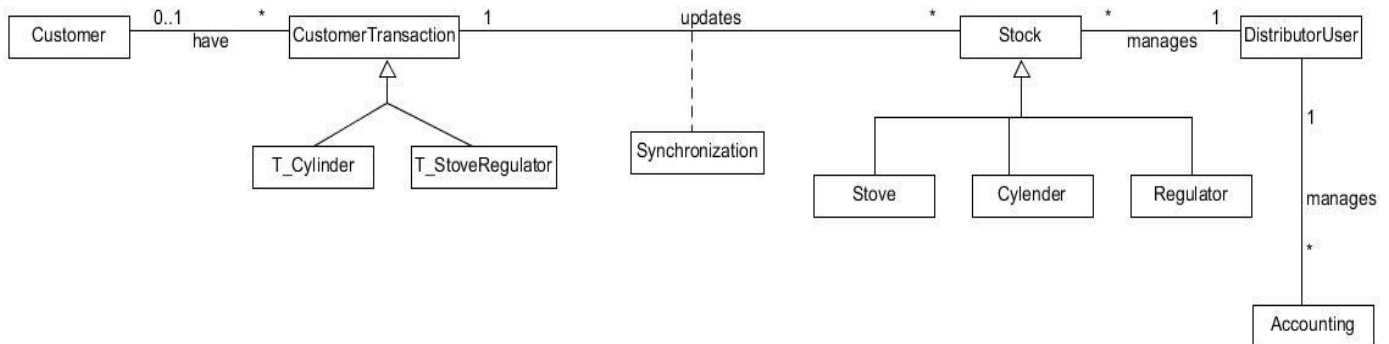
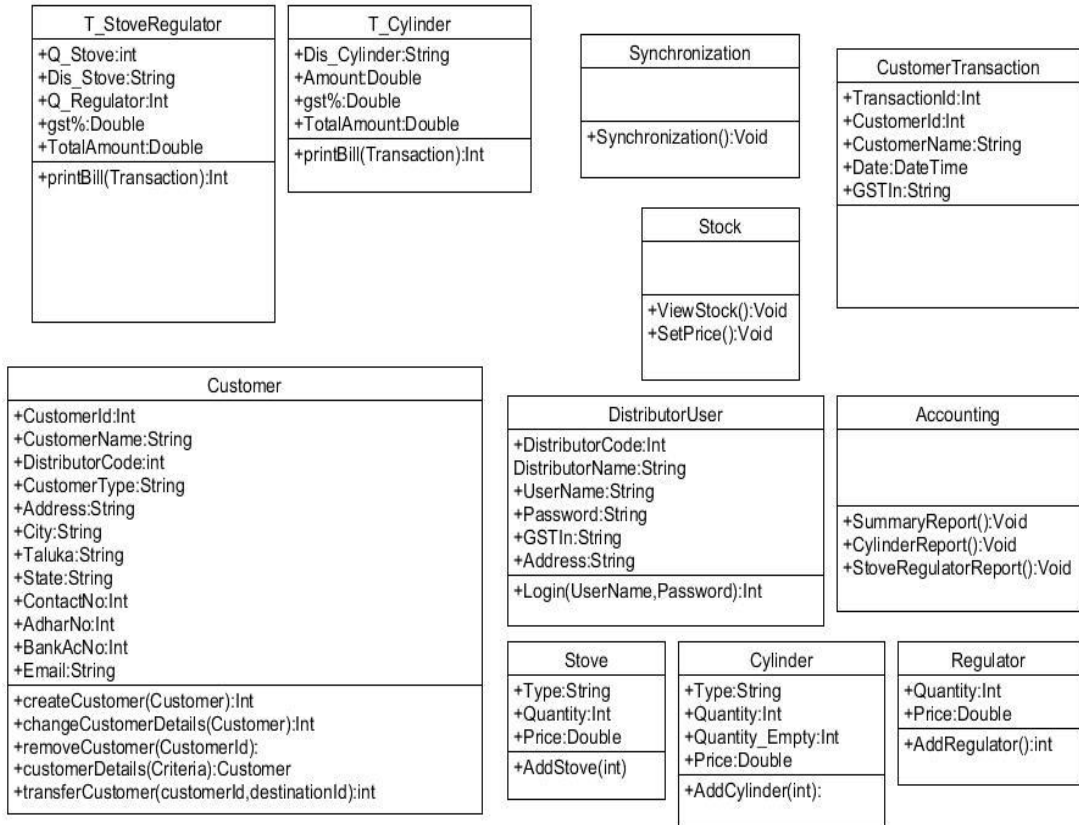
# DESIGN

## ➤ Use Case Diagrams:

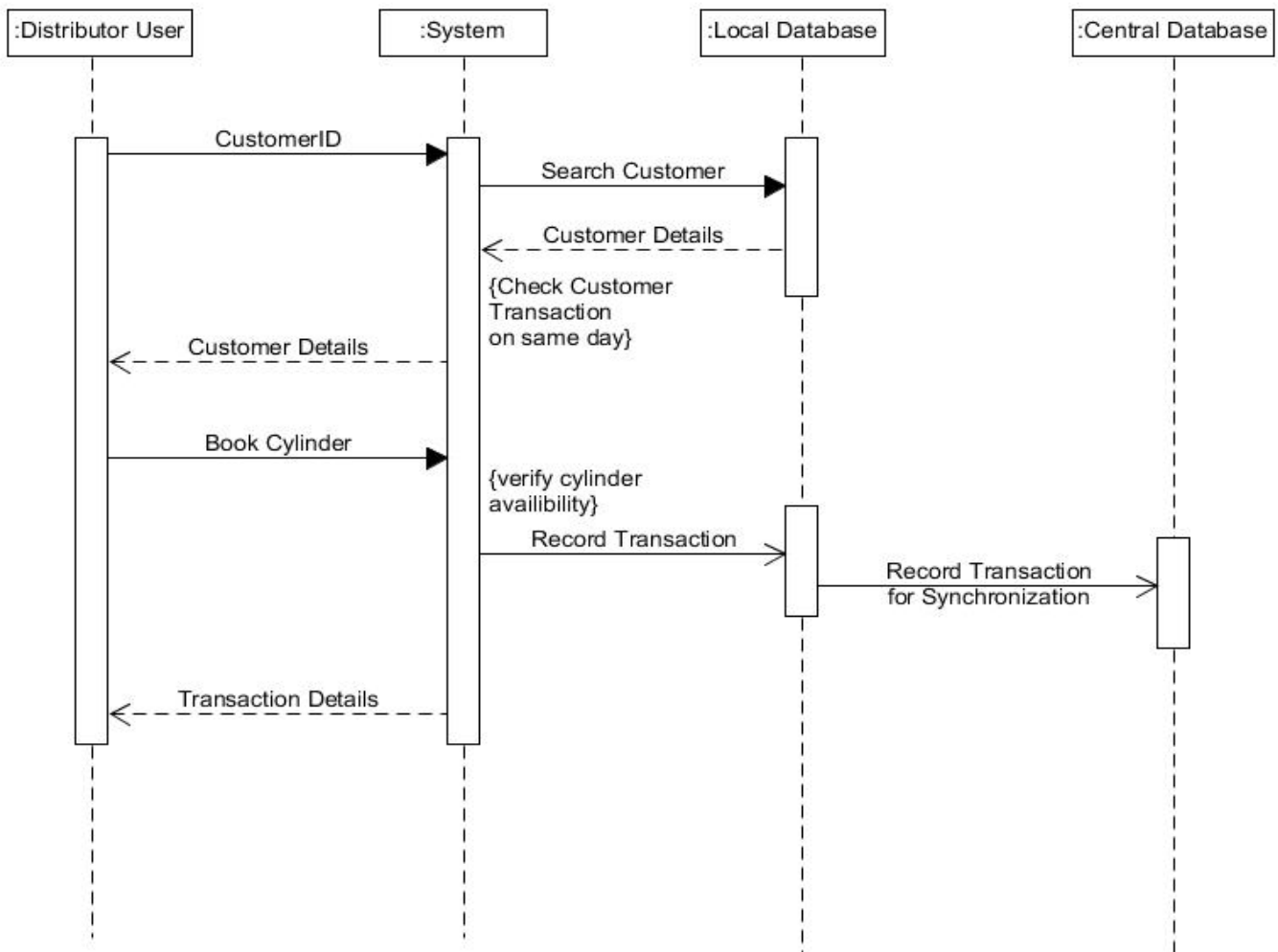




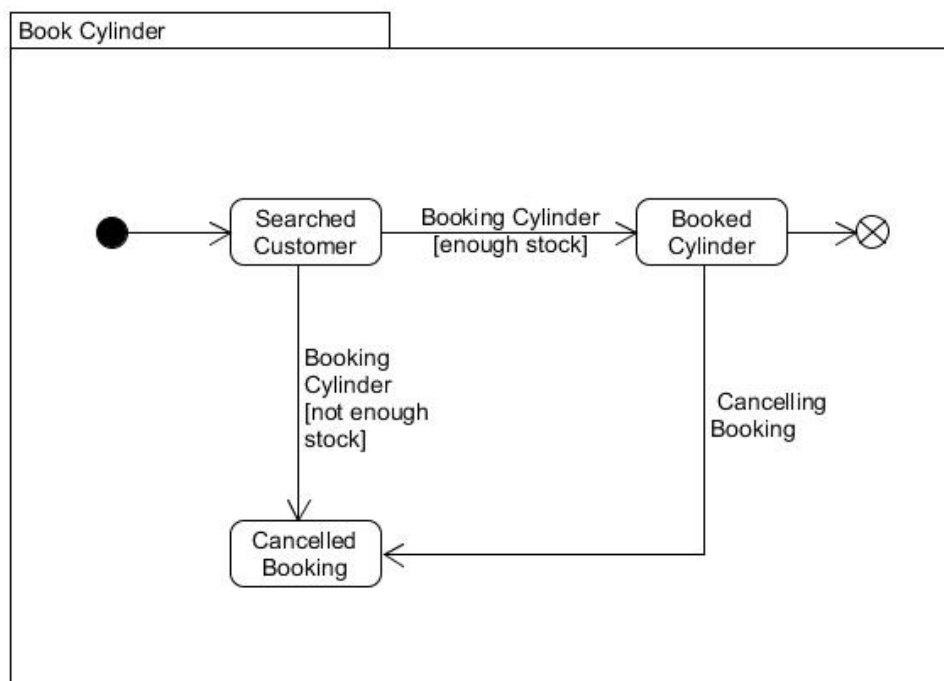
## ➤ Class Diagrams:



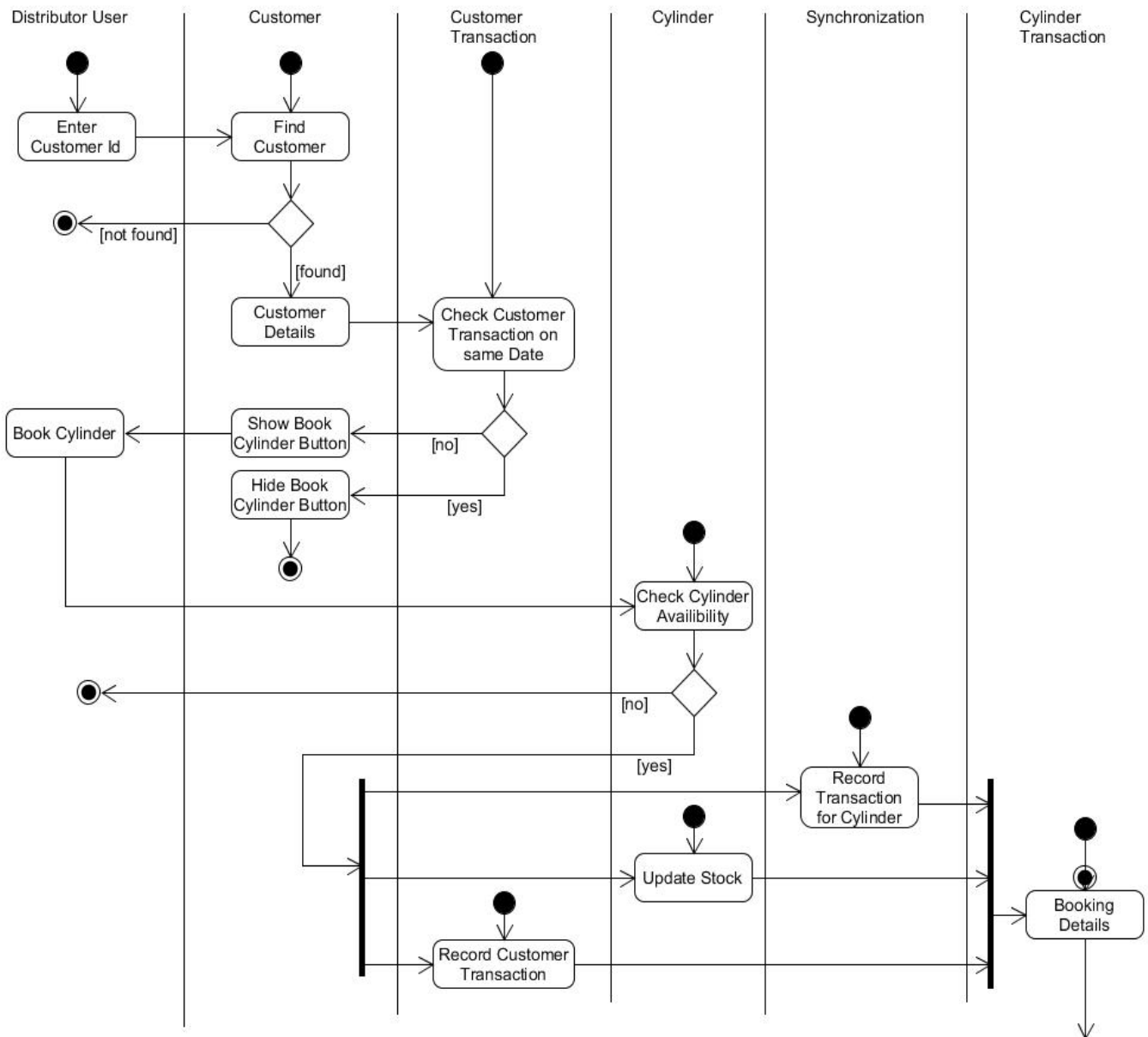
## ➤ Sequence Diagrams:



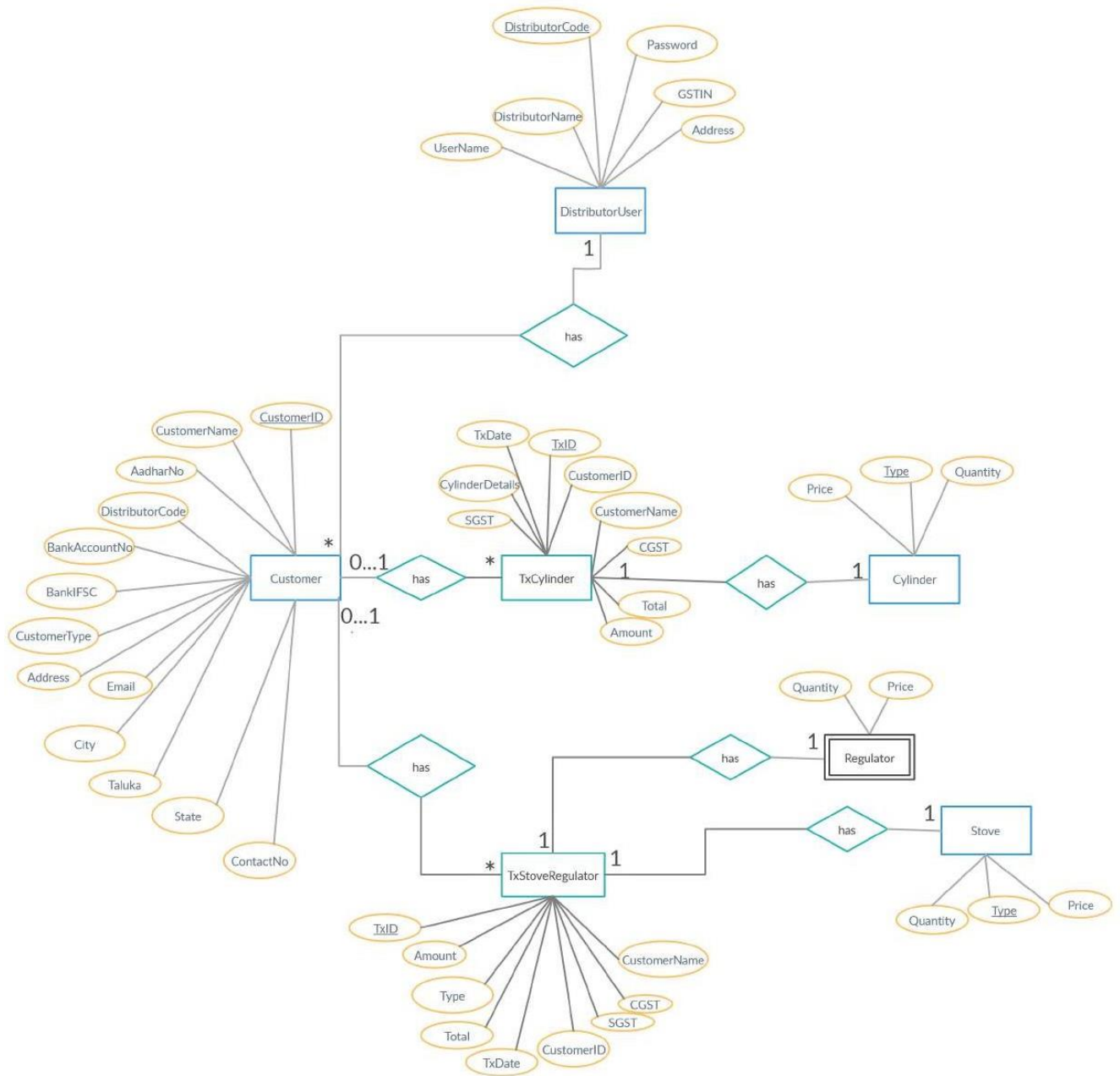
## ➤ State Diagrams:



## ➤ Activity Diagrams:



➤ **E-R Diagram:**



➤ **Data Dictionary:**

1)

Customer							
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table
1.	CustomerId	Int	10	Yes	Yes	PK	
2.	DistributorCode	Int	6	Yes		FK	DistributorUser
3.	CustomerName	Varchar2	30	Yes			
4.	CustomerType	Varchar2	10	Yes			
5.	Address	Varchar2	100	Yes			
6.	City	Varchar2	20	Yes			
7.	Taluka	Varchar2	20	Yes			
8.	State	Varchar2	20	Yes			
9.	ContactNo	Int	10				
10.	Email	Varchar2	50				
11.	AadharNo	Int	12	Yes	Yes		
12.	BankIFSC	Varchar2	15				
13.	BankAccountNo	Int	16		Yes		

2)

DistributorUser							
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table
1.	DistributorCode	Varchar2	6	Yes	Yes	PK	
2.	DistributorName	varchar2	30	Yes			
3.	Username	Varchar2	12	Yes			
4.	Password	Varchar2	12	Yes			
5.	GSTIN	Varchar2		Yes	Yes		
6.	Address	Varchar2	100	Yes			

3)

Cylinder							
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table
1.	Type	Varchar2	15	Yes	Yes	PK	
2.	Quantity	Int	5	Yes			
3.	Price	Double		Yes			

4)

Stove							
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table
1.	Type	Varchar2	15	Yes	Yes	PK	
2.	Quantity	Int	5	Yes			
3.	Price	Double		Yes			

5)

TxCylinder							
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table
1.	TxId	Int	10	Yes	Yes	PK	
2.	CustomerId	Int	10	Yes		FK	Customer
3.	CustomerName	Varchar2	30	Yes			
4.	TxDate	DateTime		Yes	Yes		
5.	CylinderDetails	Varchar2	50	Yes		FK	Cylinder
6.	Amount	Double		Yes			
7.	CGST	Double		Yes			
8.	SGST	Double		Yes			
9.	Total	Double		Yes			

6)

TxStoveRegulator							
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table
1.	TxId	Int	10	Yes	Yes	PK	
2.	CustomerId	Int	10			FK	Customer
3.	CustomerName	Varchar2	30				
4.	TxDate	DateTime			Yes		
5.	Details	Varchar2	50	Yes		FK	Stove
6.	Amount	Double		Yes			
7.	CGST	Double		Yes			
8.	SGST	Double		Yes			
9.	Total	Double		Yes			

## **IMPLEMENTATION DETAILS**

### ➤ **Modules:-**

- **Customer Management Module:**  
Distributor User can get list of all customers by Customer Register, add new customer, change customer details and remove customer by Close Connection.
- **Stock Management Module:**  
Distributor User can view existing stock and price, add new stock and set price of cylinder, stove and regulator.
- **Synchronization Module:**  
Distributor User can synchronize local data ( stock and price of cylinders, customer details, customer transaction of cylinders ) to central server.
- **Customer Transaction Module:**  
Distributor User can book cylinder for a customer and print invoice. He/ She can generate invoice for sell of stove and cylinder.
- **Accounting Module:**  
Distributor User can get records of transections for specific period in summary or in detail and can export in excel format.

### ➤ **Major Functionalities:-**

- Customer Register
- Add New Customer
- Change Customer Details
- Close Connection
- Set Price for Cylinder, Stove & Regulators
- View Stock
- Add Cylinder Stock
- Add Stove & Regulator Stock
- Synchronization
- Cylinder Booking
- Bill for Stove & Regulator
- Summary Report
- Cylinder Report
- Stove & Regulator Report

# **TESTING**

EXECUTED	Passed	13
	Failed	0
	Total (Passed + Failed)	13
Pending		0
In Process		0
Blocked		0
(Sub-Total) Total		13

## ➤ **Black Box Testing of Individual Function :-**

### **Function 1 :- Customer Register**

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: List of all existing customer

### **Function 2 :- Add New Customer**

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: New customer will be added into database and customer number will be displayed.

### **Function 3 :- Change Customer Details**

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: Customer details will be updated into database and successful message will be displayed.

### **Function 4 :- Close Connection**

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: Customer will be deleted and successful message will be displayed.

### **Function 5 :- View Stock & Price**

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: Stock and price of cylinder, stoves and regulator will be displayed.



## Function 6 :- Set Price

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: Price of cylinder, stoves and regulator will be changed and successful message will be displayed.

## Function 7 :- Add Stock

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: Stock of cylinder, stoves and regulator will be updated and successful message will be displayed.

## Function 8 :- Synchronization

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: Local data (stock and price of cylinders, customer details, customer transaction of cylinders) will be synchronized with central database, last synchronization date will be changed and successful message will be displayed.

## Function 9 :- Cylinder Booking

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: Booking of cylinder for that customer will be done and invoice will be generated in pdf format.

## Function 10 :- Bill for Stove & Regulator

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database

O|P: Bill will be generated in pdf format and successful message will be displayed.

## Function 11 :- Summary Report

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database, if there is at least one record of given period.

O|P: All record will be displayed of that period.

Case 3: Connect to service and database, if there is no record of given period.

O|P: Message will be displayed that "No Record Found".

## Function 12 :- Cylinder Report

Case 1: Can't connect to service or database

O|P: Error message will be displayed

Case 2: Connect to service and database, if there is at least one record of given period.

O|P: All record will be displayed of that period.

Case 3: Connect to service and database, if there is no record of given period.

O|P: Message will be displayed that "No Record Found".

## Function 13 :- Stove & Regulator Report

Case 1: Can't connect to service or database

O|P: Error message will be displayed

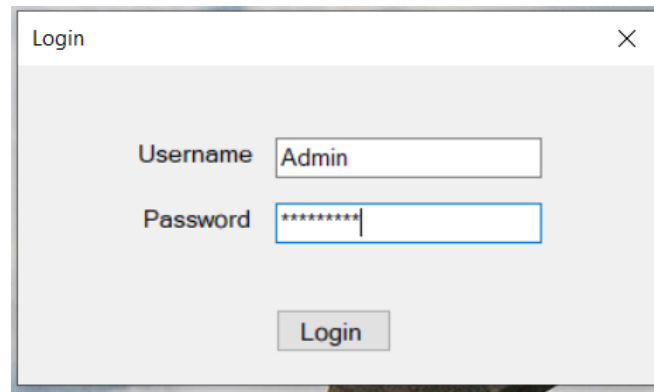
Case 2: Connect to service and database, if there is at least one record of given period.

O|P: All record will be displayed of that period.

Case 3: Connect to service and database, if there is no record of given period.

O|P: Message will be displayed that "No Record Found".

# SCREEN-SHOTS



Login

Username

Password

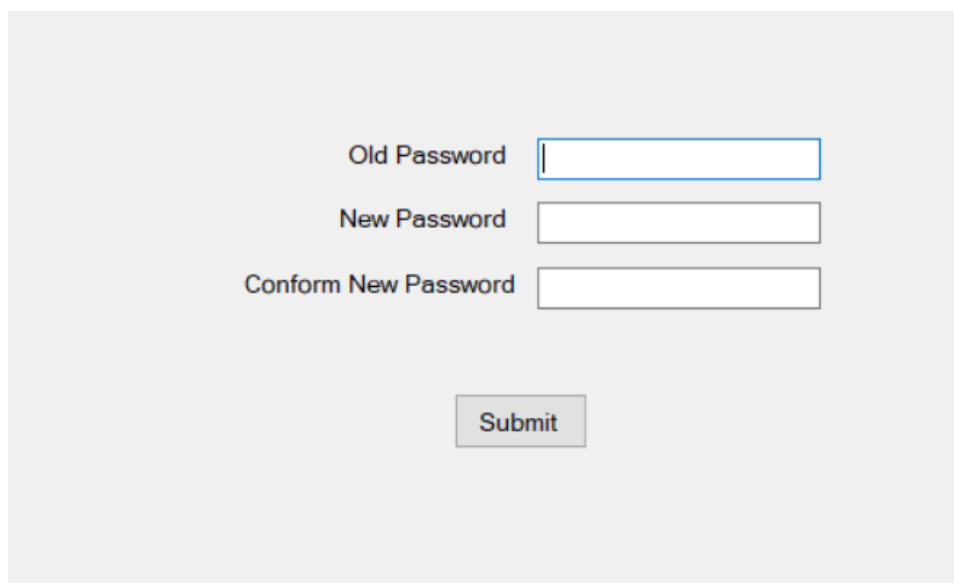
Login

LPG Distribution System

File Customer Management Stock Management Synchronization Customer Transaction Accounting Help



Change Password



Old Password

New Password

Conform New Password

Submit

## Distributor Information

Agency Name	Robin Indain Gramin Vitrak
Distributor Code	292029
Distributor Name	Maheshbhai Raiyani
PAN No.	AAZPM2501F
GSTIN	22AAZPM2501F1Z5
Address	Survey No. 28/P-1/Plot No.1 Jetpur-Somnath Highway
City / Village	Jetalsar(GAM)
Taluka	Jetpur
District	Rajkot
State	Gujarat
Licence Issue Date	12-05-2015 00:00:00
Licence Expiry Date	11-05-2025 00:00:00
Contact No.	9726512307
Email	robinigv@yahoo.com

Close

File Customer Management Stock Management Synchronization Customer Transaction Accounting Help

Customer Register

Customer Type

Get Records

Total Records: 4

CustomerId	DistributorCode	CustomerName	CustomerType	Gender	AadharNo	RashanCardNo	Address	City	PinNo	Taluka	District
1	292029	Devendrakumar...	BPL - Single Cyli...	Male	123412341234	789456123789	Uparkot	Jetalsar	360360	Jetpur	Rajkot
2	292029	Bharatiben Mah...	Ujavalva - Single...	Female	987654321012	564564564545	403, Sanskar A...	Jetpur	360370	Jetpur	Rajkot
5	292029	Milind Anilbhai ...	APL - Double Cy...	Male	456456456456	78945612310	303, Ashirwad a...	Jetpur	360370	Jetpur	Rajkot
6	292029	Daxit Harehbhai...	Industrial	Male	123456789123	456456456456	Dobariyavadi	Jetpur	360370	Jetpur	Rajkot

## New Customer

\* fields are mandatory

Customer Name*	First Name*	<input type="text"/>
	Middle Name*	<input type="text"/>
	Last Name*	<input type="text"/>
Gender*	<input type="radio"/> Male	<input type="radio"/> Female
	<input type="radio"/> Other	
Customer Type*	<input type="text"/>	
Aadhar No.*	<input type="text"/>	
Rashan Card No.*	<input type="text"/>	
Address*	<input type="text"/>	
City / Village *	<input type="text"/>	
PIN Code*	<input type="text"/>	
Taluka*	<input type="text"/>	
District*	<input type="text"/>	
State*	<input type="text"/>	
Contact No.	<input type="text"/>	
Email	<input type="text"/>	
Bank IFSC Code	<input type="text"/>	
Bank Account No.	<input type="text"/>	

File
Customer Management
Stock Management
Synchronization
Customer Transaction
Accounting
Help

Change Customer Details

Enter Customer Id or Name
Devendrakumar Maheshbhai Raiyani

Get Details

Customer Name
Devendrakumar Maheshbhai Raiyani

Gender
☒ Male
☐ Female
☐ Other

Customer Type
BPL - Single Cylinder

Aadhar No.
123412341234

Rashan Card No.
789456123789

Address
Uparkot

City / Village
Jetalsar

PIN Code
360360

Taluka
Jetpur

District
Rajkot

State
Gujarat

Contact No.
9426818246

Email
17ceuog022@mail.com

Bank IFSC Code
BKID0003124

Bank Account No.
312410110007883

Save Changes

File
Customer Management
Stock Management
Synchronization
Customer Transaction
Accounting
Help

View Stock & Price

For Cylinder

Cylinder Type	Quantity	Price (Rs.)
14.2 KG With Subsidy (E)	54	0
14.2 KG With Subsidy (F)	91	650.6
14.2 KG Without Subsidy (E)	32	0
14.2 KG Without Subsidy (F)	44	720.15
19 KG Industrial (E)	37	0
19 KG Industrial (F)	71	1040.5
5 KG (E)	4	0
5 KG (F)	30	210.5

For Stove

Product	Quantity	Price (Rs.)
Milton Black 2 Burner	7	2484
New Again	0	500.5
Prestige Magic Gle...	12	3649
Surya Shining Flam...	7	700.5

Regulator Stock : 28 piece(s)  
Regulator Price (Rs.) : 196.5 Rs.

(Note: 1. All prices are without inclusion of taxes.)

File	Customer Management	Stock Management	Synchronization	Customer Transaction	Accounting	Help
Close Connection						
Enter Customer Id or Name		Devendrakumar Maheshbhai Raiyani			<a href="#">Get Details</a>	
Customer Name		Devendrakumar Maheshbhai Raiyani				
Gender		Male				
Customer Type		BPL - Single Cylinder				
Aadhar No.		123412341234				
Rashan Card No.		789456123789				
Address		Uparkot				
City / Village		Jetalsar				
PIN Code		360360				
Taluka		Jetpur				
District		Rajkot				
State		Gujarat				
Contact No.		9426818246				
Email		17ceuog022@mail.com				
Bank IFSC Code		BKID0003124				
Bank Account No.		312410110007883				
<a href="#">Close Connection</a>						

File	Customer Management	Stock Management	Synchronization	Customer Transaction	Accounting	Help																		
Add Cylinder Stock																								
Cylinder Type:		14.2 KG With Subsidy (F) ▼																						
Quantity:		10																						
		New Stock will be,																						
		<table border="1"> <thead> <tr> <th>CylinderType</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>14.2 KG With Subsidy (E)</td> <td>44</td> </tr> <tr> <td>14.2 KG With Subsidy (F)</td> <td>101</td> </tr> <tr> <td>14.2 KG Without Subsidy (E)</td> <td>32</td> </tr> <tr> <td>14.2 KG Without Subsidy (F)</td> <td>44</td> </tr> <tr> <td>19 KG Industrial (E)</td> <td>37</td> </tr> <tr> <td>19 KG Industrial (F)</td> <td>71</td> </tr> <tr> <td>5 KG (E)</td> <td>4</td> </tr> <tr> <td>5 KG (F)</td> <td>30</td> </tr> </tbody> </table>					CylinderType	Quantity	14.2 KG With Subsidy (E)	44	14.2 KG With Subsidy (F)	101	14.2 KG Without Subsidy (E)	32	14.2 KG Without Subsidy (F)	44	19 KG Industrial (E)	37	19 KG Industrial (F)	71	5 KG (E)	4	5 KG (F)	30
CylinderType	Quantity																							
14.2 KG With Subsidy (E)	44																							
14.2 KG With Subsidy (F)	101																							
14.2 KG Without Subsidy (E)	32																							
14.2 KG Without Subsidy (F)	44																							
19 KG Industrial (E)	37																							
19 KG Industrial (F)	71																							
5 KG (E)	4																							
5 KG (F)	30																							
		<a href="#">Save</a>																						
<p>(Note: 1. Displaying stock will be after pressing Save button. 2. Once added new stock you can't rollback it)</p>																								

## Add Stove &amp; Regulator

## Add Stove

Stove Type : Milton Black 2 Burner

Quantity : 10

Save

Add New Product : Prestige

Quantity : 2

Price : 520.50

Add

New Stock will be,

Product	Quantity
Milton Black 2 Burner	17
New Agein	0
Prestige Magic Glass Top ...	12
Surya Shining Flame Stainl...	7

Stove Type : Milton Black 2 Burner

Delete

(Note : 1. Displaying Stock will be after pressing Save Button.  
 2. Once added new stock you can't rollback it.  
 3. You have at max 10 products and at max 100 quantity for each in Stove stock.  
 4. You have at max 500 quantity of Regulators.  
 5. Price must be without inclusion of taxes)

## Add Regulator

Quantity : 15

New Stock will be,

43 piece(s)

Save

## Set Price

## For Cylinder

Cylinder Type : 14.2 KG Without Subsidy (F)

Price (Rs.) : 720.15

Save

## For Stove

Product : Milton Black 2 Burner

Price (Rs.) : 2484

Save

## For Regulator

Price (Rs.) : 196.5

Save

(Note : 1. All prices must be without inclusion of taxes.)



Synchronization

Current Date : 19-03-2020

Last Synchro Date : 14-03-2020

Local Database

Stock Data	8
TxCylinders	8

=>

<=

Central Database

Synchronize

Cylinder Booking

Enter Customer Id or Name

Dixit Hareshbhai Thumar

Get Details

Customer Name Dixit Hareshbhai Thumar

Quantity: 2

Gender Male

Customer Type Industrial

Conform Booking

Aadhar No. 123456789123

Rashan Card No. 456456456456

Address Dobariyavadi

City / Village Jetpur

PIN Code 360370

Taluka Jetpur

District Rajkot

State Gujarat

Contact No. 5656565656

Email dip@mail.com

Bank IFSC Code ASD003124

Bank Account No. 3124745466

File Customer Management Stock Management Synchronization Customer Transaction Accounting Help

Bill for Stoves and Regulator

\* fields are mandatory

Customer Name\*

Regulator Quantity

Stove and Quantity

Product	Price
Milton Black 2 B...	2484
New Again	500.5
Prestige Magic ...	3649
Surya Shining Fl...	700.5

=>

Product	Quantity
Prestige Magic ...	1
Milton Black 2 B...	1

<=

Preview Bill :

Product	Quantity	Price	Amount
Regulator(s)	2	196.5	412.65
Prestige Magic Glas...	1	3649	3831.45
Milton Black 2 Burner	1	2484	2608.2

Total (in Rs): 6852.3  
(Incl of all taxes)

Preview Bill Generate Bill

(Note: 1. In case of lack of stock for a product, you will be alerted and transaction(s) for other product(s) will be proceeded.  
2. Price of a product is in Rupee and it is the value without inclusion of taxes.  
3. Amount of a product in preview bill is in Rupee and it is the value with inclusion of all taxes.)

File Customer Management Stock Management Synchronization Customer Transaction Accounting Help

Summary Report

From  To

Generate Report Export as Excel

**For Cylinder**

Purchased

CylinderDetails	Price	Quantity	Total
14.2 KG With Subsidy (F)	650.6	10	6506
14.2 KG Without Subsi...	720.15	5	3600.75

Sold

CylinderDetails	Price	Quantity	Total
14.2 KG With Subsidy (F)	650.6	21	14345.68000
19 KG Industrial (F)	1040.5	6	7366.740000
14.2 KG Without Subsi...	720.15	6	4536.9225

**For Stove and Regulator**

Purchased

Details	Price	Quantity	Total
New Stove	1357.55	15	20363.25
Surya Shining Flame St...	700.5	7	4903.5
Prestige Magic Glass T...	3649	12	43788
New Again	500.5	4	2002

Sold

Details	Price	Quantity	Total
Regulator	196.5	9	1856.919999
Milton Black 2 Burner	2484	3	7824.599999
New Again	500.5	4	2102.09

File Customer Management Stock Management Synchronization Customer Transaction Accounting Help

CylinderReport

From08 January 2020To19 March 2020Cylinder Type

☒ Sell☒ Purchase

Genetate Report

Export as Excel

Total Records: 24

Tx Id	Cashmemo No	Customer Id	Customer Name	Tx Date	Cylinder Details	Quantity	Price	Amount	CGST	SG
31	28	1	Devendrakumar Ma...	18-03-2020 07:...	14.2 KG With Subs...	1	650.6	650.6	16.26	16.26
30	27	2	Bharatiben Mahesh...	18-03-2020 07:...	14.2 KG Without Su...	1	720.15	720.15	18	18
29	26	2	Bharatiben Mahesh...	18-03-2020 07:...	14.2 KG Without Su...	1	720.15	720.15	18	18
28	25	1	Devendrakumar Ma...	18-03-2020 07:...	14.2 KG With Subs...	1	650.6	650.6	16.26	16.26
27	24	1	Devendrakumar Ma...	18-03-2020 07:...	14.2 KG With Subs...	1	650.6	650.6	16.26	16.26
26	23	5	Milind Anilbhai Govani	18-03-2020 07:...	14.2 KG With Subs...	2	650.6	1301.2	32.53	32.53
25	22	1	Devendrakumar Ma...	18-03-2020 07:...	14.2 KG With Subs...	1	650.6	650.6	16.26	16.26
24	21	5	Milind Anilbhai Govani	18-03-2020 06:...	14.2 KG With Subs...	2	650.6	1301.2	32.53	32.53
23	20	2	Bharatiben Mahesh...	14-03-2020 02:...	14.2 KG Without Su...	1	720.15	720.15	18	18
22	19	5	Milind Anilbhai Govani	14-03-2020 01:...	14.2 KG With Subs...	2	650.6	1301.2	32.53	32.53
15	12	1	Devendrakumar Ma...	08-03-2020 04:...	14.2 KG With Subs...	1	650.6	650.6	16.26	16.26
14	11	5	Milind Anilbhai Govani	27-02-2020 05:...	14.2 KG With Subs...	2	650.6	1301.2	32.53	32.53
13	10	1	Devendrakumar Ma...	27-02-2020 04:...	14.2 KG With Subs...	1	650.6	650.6	16.265	16.265
12	9	2	Bharatiben Mahesh...	26-02-2020 09:...	14.2 KG Without Su...	1	720.15	720.15	18.00375	18.00375
11	8	4	Smit prakashbhai pa...	26-02-2020 09:...	14.2 KG With Subs...	1	650.6	650.6	16.265	16.265
10	7	3	Smit Prakashbhai P...	26-02-2020 09:...	14.2 KG With Subs...	2	650.6	1301.2	32.53	32.53
9	6	2	Bharatiben Mahesh...	26-02-2020 09:...	14.2 KG Without Su...	2	720.15	1440.3	36.0075	36.0075
8	5	1	Devendrakumar Ma...	26-02-2020 09:...	14.2 KG With Subs...	1	650.6	650.6	16.265	16.265
6	4	2	Bharatiben Mahesh...	26-02-2020 09:...	14.2 KG With Subs...	2	650.6	1301.2	32.53	32.53
5	3	6	Dixit Hareshbhai Th...	26-02-2020 09:...	19 KG Industrial (F)	1	1040.5	1040.5	93.645	93.645
4	2	6	Dixit Hareshbhai Th...	26-02-2020 09:...	19 KG Industrial (F)	5	1040.5	5202.5	468.225	468.225

File Customer Management Stock Management Synchronization Customer Transaction Accounting Help

Stove and Regulator Report

From 01 January 2020 To 19 March 2020 Product  ☒ Sell ☒ Purchase [Genetate Report](#) [Export as Excel](#)

Total Records: 14

Tx Id	CashMemo No	Customer Name	Tx Date	Details	Quantity	Price	Amount	CGST	SGST
14	8	Milind Anilbhai Govani	18-03-2020 06:...	New Again	2	500.5	1001	25.02	25.02
13	7	Maheshbhai	18-03-2020 06:...	Milton Black 2 B...	1	2484	2484	62.1	62.1
12	7	Maheshbhai	18-03-2020 06:...	Regulator	1	196.5	196.5	4.91	4.91
11	6	Devendrakumar Ma...	27-02-2020 06:...	New Again	2	500.5	1001	25.025	25.025
10	5	Bharatiben Mahesh...	27-02-2020 06:...	Milton Black 2 B...	2	2484	4968	124.2	124.2
9	5	Bharatiben Mahesh...	27-02-2020 06:...	Regulator	2	196.5	393	9.825	9.825
8	4	Bharatiben Mahesh...	27-02-2020 06:...	Regulator	2	196.5	393	9.825	9.825
7	3	Bharatiben Mahesh...	27-02-2020 06:...	Regulator	1	196.5	196.5	4.9125	4.9125
6	2	Maheshbhai Raiyani	27-02-2020 06:...	Regulator	2	196.5	393	9.825	9.825
5	1	Devendrakumar Ma...	27-02-2020 06:...	Regulator	1	196.5	196.5	4.9125	4.9125
4	0	Maheshbhai Raiyani	23-02-2020 09:...	New Again	4	500.5	2002	0	0
3	0	Maheshbhai Raiyani	23-02-2020 09:...	Prestige Magic ...	12	3649	43788	0	0
2	0	Maheshbhai Raiyani	23-02-2020 09:...	Surya Shining Fl...	7	700.5	4903.5	0	0
1	0	Maheshbhai Raiyani	23-02-2020 08:...	New Stove	15	1357.55	20363.25	0	0

## **CONCLUSION**

In this software, there is only one user that is Distributor User. Distributor User can add new customers, change existing customers' details, close connection, get list of all existing customers as a Customer Management. He/ She can add and view stock and set prices of cylinders, stoves and regulators as a Stock Management. He/ She can book cylinder and generate invoice for existing customers and generate invoice of stove and regulator for any customer as a Customer Transactions. He/ She can get summary report, cylinder report, stove and regulator report for a given specific period. He/ She can synchronize local database with central database to send day to day work to the higher officer.

## **LIMITATIONS**

**&**

## **FUTURE EXTENSION**

- Limitations:
  - Distributor can't generate bulk invoice
- Not Implemented Functionalities:
  - Customers of one agency can be transferred to another agency
- Future Extension:
  - Distributor can generate bulk invoice
  - Customers of one agency can be transferred to another agency

## **BIBLIOGRAPHY**

To develop this project we have taken reference from following websites,

- StackOverflow - <https://stackoverflow.com/>
- Microsoft Documentation - <https://docs.microsoft.com/>
- C# Corner - <https://www.c-sharpcorner.com/>
- YouTube playlist of kudvenkat- <https://www.youtube.com/user/kudvenkat>