



LPG DISTRIBUTION SYSTEM

Data Dictionary & E-R Diagram

Devendrakumar Raiyani (17CEUOG022 – CE107)
Smit Patel (17CEUOS110 – CE095)

Data Dictionary

1)

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

5)

Regulator								
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table	Description
1.	Quantity	Int	5	Yes				
2.	Price	Double		Yes				

6)

TxCylinder								
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table	Description
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				

7)

TxStoveRegulator								
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table	Description
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				

ER Diagram

