

DBMS PROJECT

Project Name : SAKEC Mobile Service Centre

Members:

- | | |
|-------------------|------|
| ○ HARSH PATEL | : 39 |
| ○ SHRUTI PATEL | : 40 |
| ○ YASH PATEL | : 41 |
| ○ VIKAS PATRA | : 42 |
| ○ SIDHHESH PRABHU | : 43 |

SAKEC MOBILE SERVICE CENTRE

□ PROBLEM STATEMENT:

Construct the user interface and database management system for mobile service centre .If user have technical issues in mobile, in that case user can easily resolve problems, by login into own account or new user can signup into the new account.

□ ER DIAGRAM

STEP 1 : Identify all entities

Mobile Service Centre

- customer
- Mobile

STEP 2 : Identify all attributes

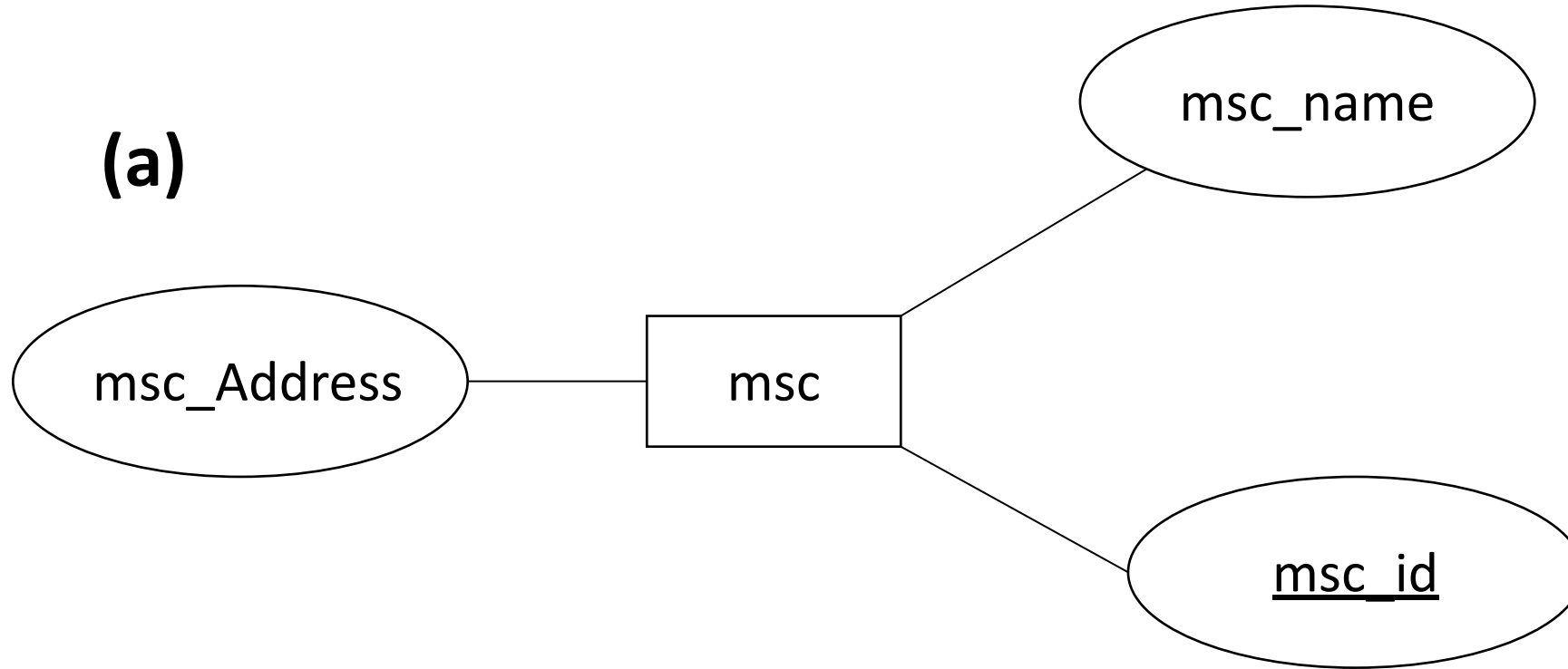
msc_name	<u>msc_Id</u>	msc_Address
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<u>username</u>	password	F.N	L.N
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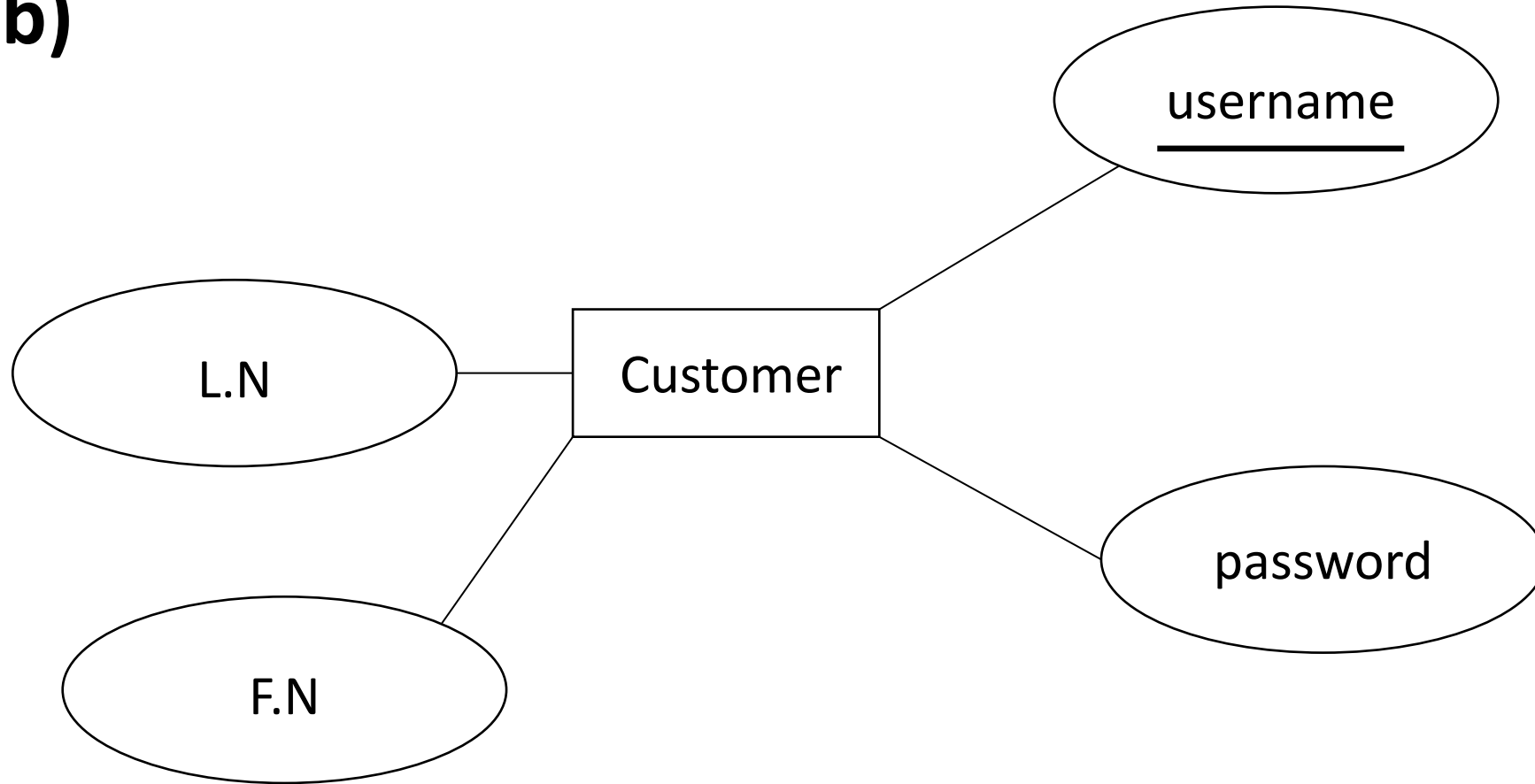
<u>mobile_no</u>	mobiledevice
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STEP 3 : Draw entities

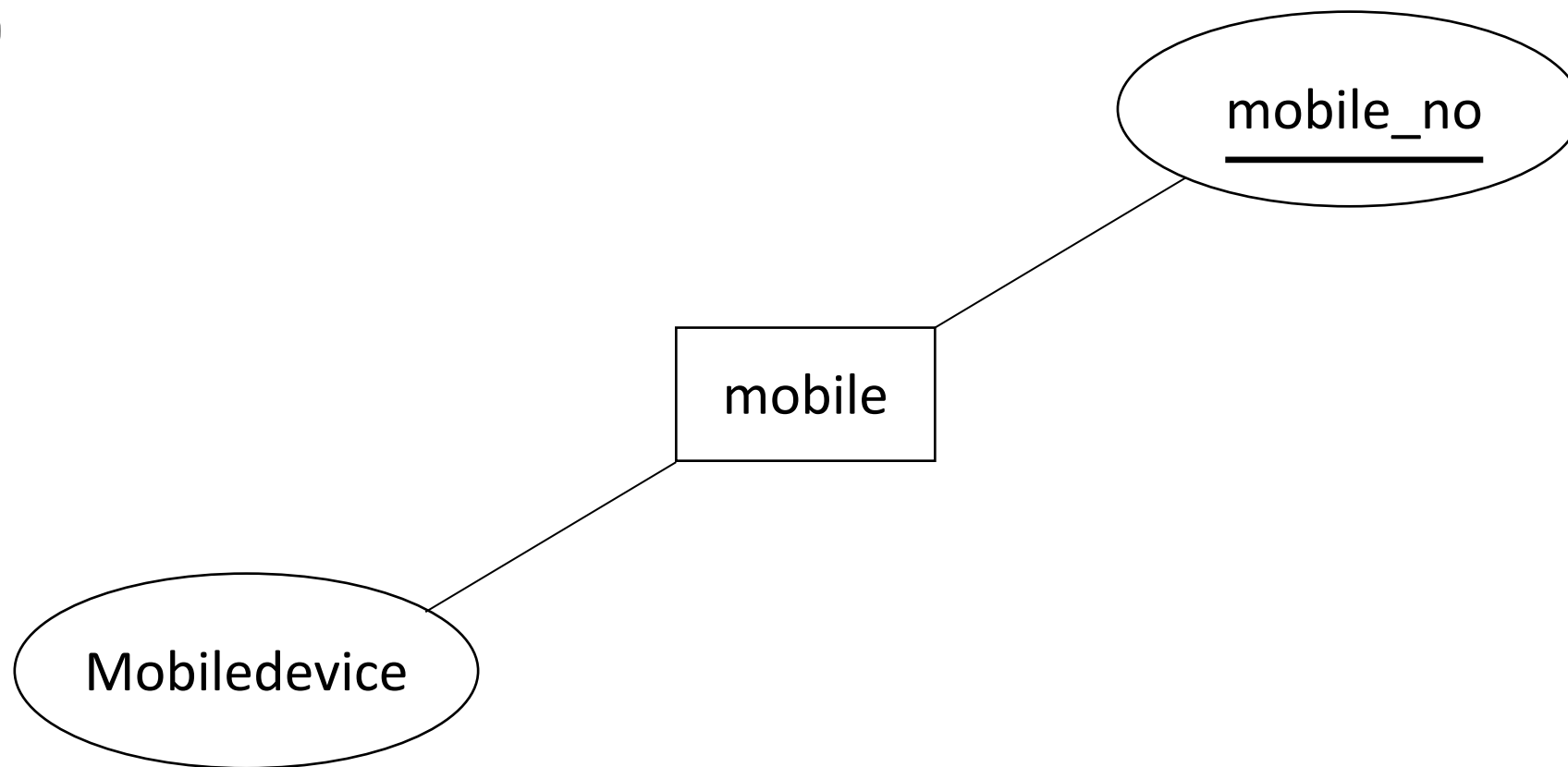
(a)



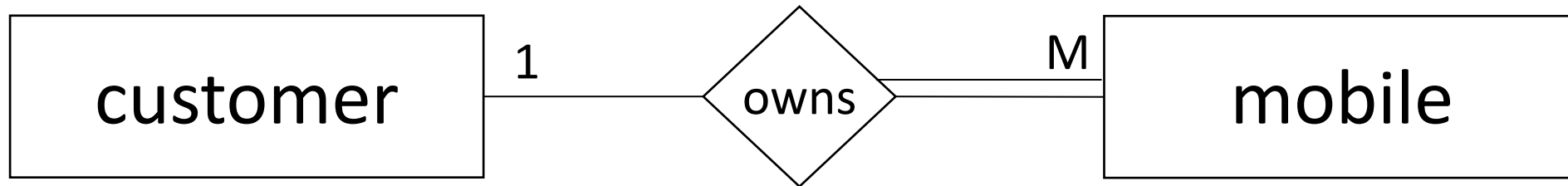
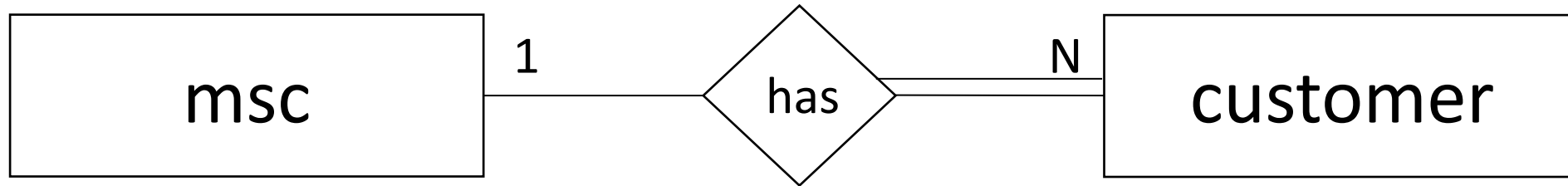
(b)



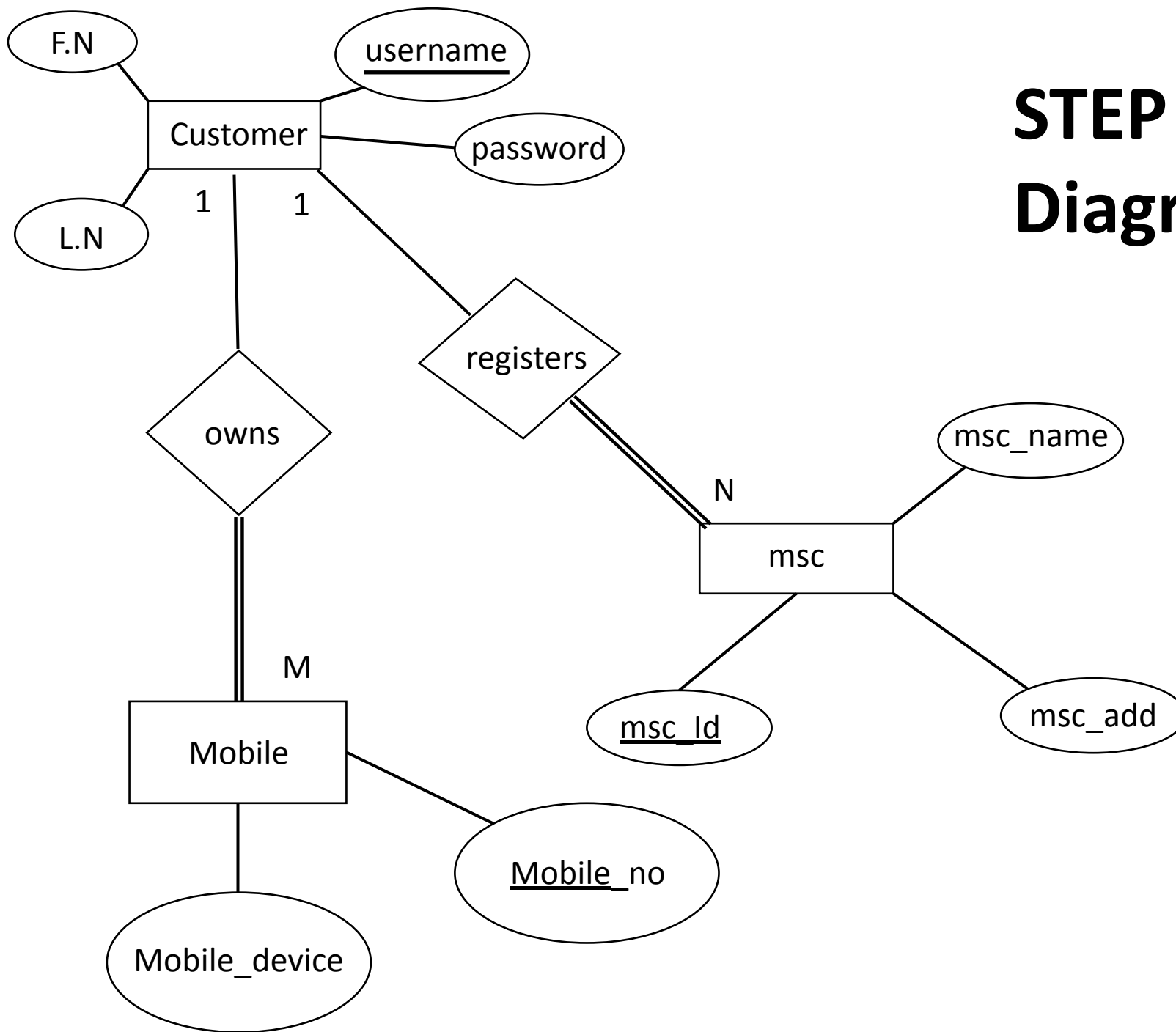
(c)



STEP 4 : Identify Relationships



STEP 5 : ER Diagram



FORM DESIGN

LOGIN FORM



The image shows a login form for the SAKEC Mobile Service Center. The form is overlaid on a background of several smartphones. The title 'SAKEC Mobile Service Center' is at the top in blue. Below it, the labels 'UserName' and 'Password' are in pink. There are two white input fields for the username and password. Below these fields are two buttons: 'LOGIN' in green and 'SIGNUP' in orange. At the bottom left, there are three white boxes containing contact information: 'MSC_ID : MO_1578', '123sakec@gmail.com', and 'Contact no. : 9082338605'. At the bottom, there is a red text line for the address: 'ADDRESS : SHOP NO -7, GROWELL'S MALI, KANDIVALI (E), MUMBAI - 400097, MAHARASHTRA'.

SAKEC Mobile Service Center

UserName :

Password :

LOGIN **SIGNUP**

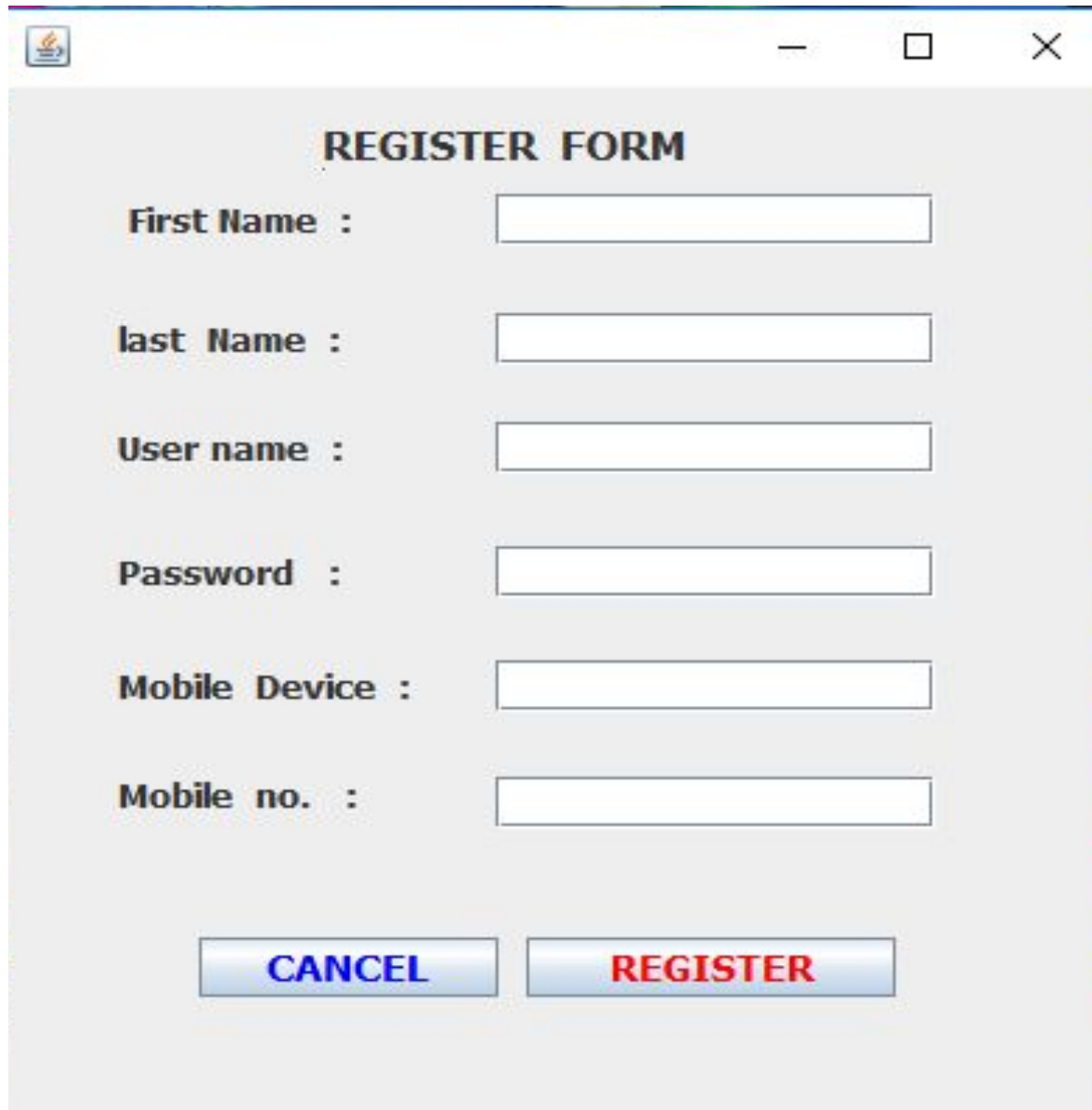
MSC_ID : MO_1578

123sakec@gmail.com

Contact no. : 9082338605

ADDRESS : SHOP NO -7, GROWELL'S MALI, KANDIVALI (E), MUMBAI - 400097, MAHARASHTRA

NEW USER SIGNUP PAGE



REGISTER FORM

First Name :

last Name :

User name :

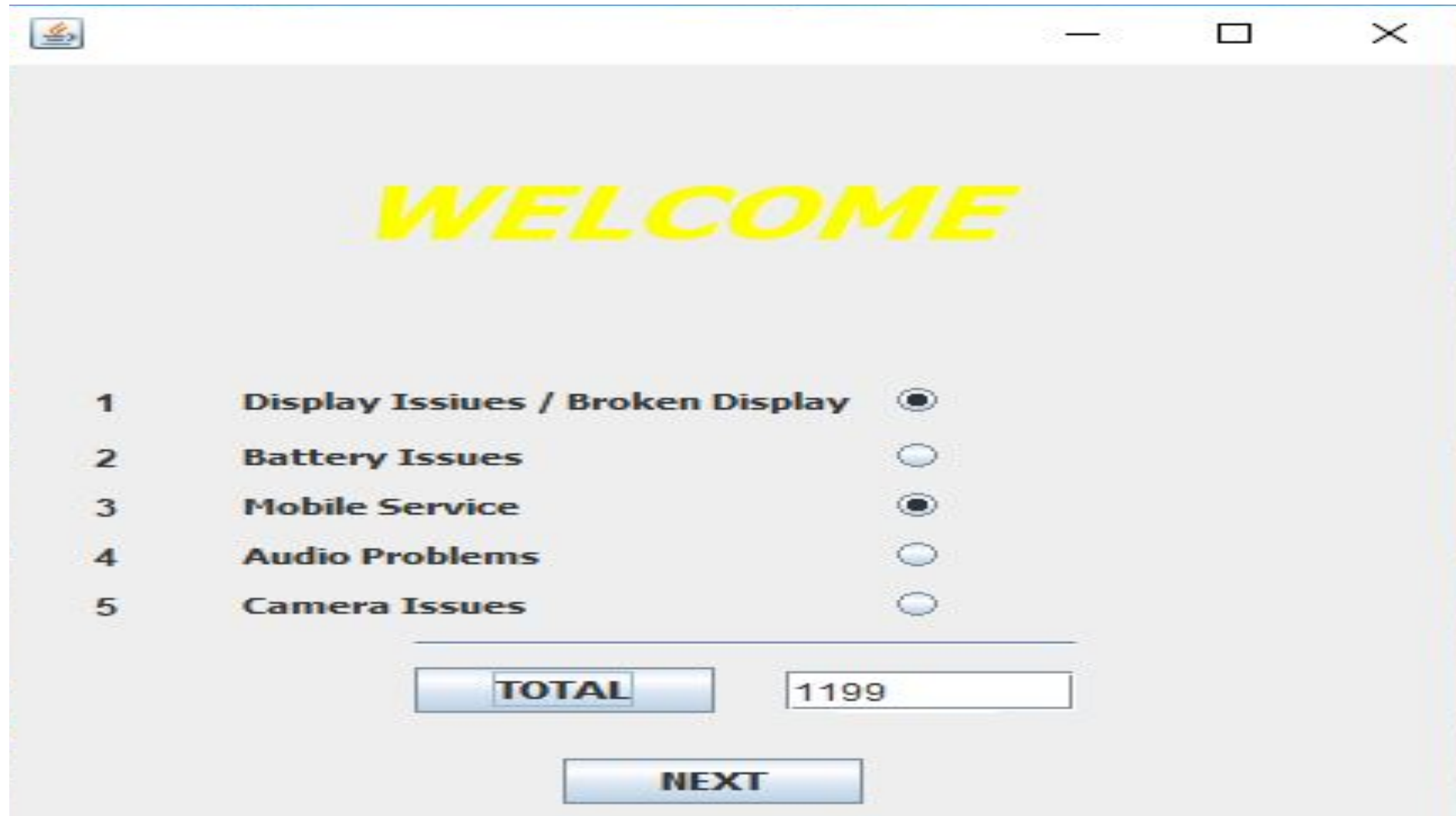
Password :

Mobile Device :

Mobile no. :

CANCEL **REGISTER**

USER MAINPAGE




The screenshot shows a window titled "WELCOME" with a list of services and their counts. The services are: 1 Display Issues / Broken Display (1199), 2 Battery Issues (0), 3 Mobile Service (1199), 4 Audio Problems (0), and 5 Camera Issues (0). The total count is 1199, and there is a "NEXT" button.

Service	Count
1 Display Issues / Broken Display	1199
2 Battery Issues	0
3 Mobile Service	1199
4 Audio Problems	0
5 Camera Issues	0

TOTAL 1199

NEXT

BILL RECEIPT



—

□

×

Bill Receipt

Customer Name	<input type="text" value="sakec"/>	<div>***** **Bill Receipt** ***** Mon Oct 08 16:04:21 IST 2018 Customer Name: sakec Mobile Number: 7045895698 Model Numbsr: vivo Date: 15-10-18 Total Amount: 1199 Signature:</div>
Mobile Number	<input type="text" value="7045895698"/>	
Mobile Model	<input type="text" value="vivo"/>	
Date	<input type="text" value="15-10-18"/>	
Total Amount	<input type="text" value="1199"/>	

Generate Receipt

Reset

Print Receipt

PRINT DETAILS

Print


General **Page Setup** **Appearance**


Media


Size: A4 (ISO/DIN & JIS)


Source: Automatically Select

Orientation

 ☒ Portrait

 ☐ Landscape

 ☐ Reverse Portrait

 ☐ Reverse Landscape

Margins

left (mm)	right (mm)
25.4	25.4
top (mm)	bottom (mm)
25.4	25.4

Print Cancel

RECIEPT AFTER PRINTING

Bill Receipt

Mon Oct 08 16:04:21 IST 2018

Customer Name: sakec
Mobile Number: 7045895698
Model Numbsr: vivo
Date: 15-10-18
Total Amount: 1199

Signature:

DATABASE IMPLEMENTATION

SQLite Manager - C:\Users\Dell\eclipse-workspace\UserData.sqlite

Database Table Index View Trigger Tools Help



Directory

(Select Profile Database) Go

UserData.sqlite

Master Table (1)

Tables (1)

UserData

FirstName

LastName

UserName

MobileDevice

MobileNo

Password

Views (0)

Indexes (0)

Triggers (0)

Structure Browse & Search Execute SQL DB Settings Export Wizard

TABLE: UserData

Drop

Empty

Rename

Reindex

Copy

Export

Create statement

```
CREATE TABLE "UserData" ("FirstName" TEXT,"LastName" TEXT,"UserName" TEXT,"MobileDevice" TEXT,"MobileNo" INTEGER,"Password" INTEGER)
```

More Info

No. of Records:

5

No. of Indexes:

0

No. of Triggers:

0

Columns (6)

Column ID	Name	Type	Not Null	Default Value	Primary Key
0	FirstName	TEXT	0	null	0
1	LastName	TEXT	0	null	0
2	UserName	TEXT	0	null	0
3	MobileDevice	TEXT	0	null	0
4	MobileNo	INTEGER	0	null	0
5	Password	INTEGER	0	null	0

Name

Type

Not Null

Default

☐

Add Column

DATABASE CONNECTIVITY (SQLITE)

```
import java.sql.*;
import javax.swing.*;
public class sqliteConnection {
    Connection conn=null;
    public static Connection dbConnector()
    {
        try {
            Class.forName("org.sqlite.JDBC");
            Connection
conn=DriverManager.getConnection("jdbc:sqlite:C:\\Users\\Dell\\eclipse-workspace\\UserData.sqlite");
            JOptionPane.showMessageDialog(null,"Connection successful");
            return conn;
        }
        catch(Exception e)
        {
            JOptionPane.showMessageDialog(null,e);
            return null;
        }
    }
}
```