

# **Women Safety Application**

## **PROJECT REPORT**

*Submitted in fulfilment for the JComponent of ITA – 2011-Mobile  
Application*

### **CAL COURSE**

*in*

**B.C.A**

*by*

**G.K.LOSHMIN (18BCA0112)**

**R.JOTHIKA (18BCA0123)**

**P.AARTHI (18BCA0095)**

*Under the guidance of*

**Dr.MENNATCHI .S**

**SITE**



# **VIT<sup>®</sup>**

**Vellore Institute of Technology**

(Deemed to be University under section 3 of UGC Act, 1956)

## **(1)ABSTRACT:**

### **USAGE OF APPLICATION:**

**This project is aimed at developing an application about women safety “feminism is the radical idea that women’s safety is more important than men’s safety “how women are, still in this day and age, being subjected to violence, domestic abuse and rape. The countless rape cases reported in recent years by the international media and the reactions of politicians, police authorities, victims, offenders, as well as the people who read these stories speak the volumes about where we stand in the issue of personal safety for women. At times, women seem to be on their own when it comes to fighting against rape. So our application developed based on safety measures and help the women to tackle the issue and emergency situations. This application mainly consist of ‘GPS’ it will help to locate your directions and navigate to the exact location of the distressed person. This app includes some of the tips for women safety, tips to escape from the threat and it may also include women’s related videos on self-defence , beauty vlogs, health care, laws related to women , good touch and bad touch of child info, mensuration details, GPS navigator, and so on .This application is meant for an alert in any case of emergency**

## **(2)Procedure:**

- 1.Install the latest version of Android studio.**
- 2.In the Welcome to Android Studio window, click Start a new Android Studio project.**
- 3.If you have a project already opened, select File > New > New Project.**
- 4.In the Select a Project Template window, select Empty Activity and click Next.**
- 5.In the Configure your project window, complete the following:**

- Enter "Women Safety" in the Name field.
- Enter "com .example. my first app" in the Package name field.
- If you'd like to place the project in a different folder, change its Save location.
- Select either Java or Kotlin from the Language drop-down menu.
- Select the lowest version of Android your app will support in the Minimum SDK field.
- your app will require legacy library support, mark the Use legacy android. support libraries checkbox.
- Leave the other options as they are.

5.Click Finish.

6.Now take a moment to review the most important files.

7.First, be sure the Project window is open (select View > Tool Windows > Project) and the Android view is selected from the drop-down list at the top of that window. You can then see the following files:

8.app > java > com. example. My first app > Main Activity

9.This is the main activity. It's the entry point for your app. When you build and run your app, the system launches an instance of this Activity and loads its layout.

10. app > res > layout > activity\_main.xml

11.This XML file defines the layout for the activity's user interface (UI). It contains a Text View element with the text "Hello, World!"

12.app > manifests > AndroidManifest.xml

13.The manifest file describes the fundamental characteristics of the app and defines each of its components.

14.This project consist of many xml file like login registration family contact details , sos page, tips for safety, tips to escape, and related laws, navigation bar, sms alert etc...

15.Go to Mainactivity.java and type the code .

16. To add empty activity right click > new > activity > empty activity and give the file name to it and we can create as many we need

17. Go to res folder and select layout

18. For control panel select a file, the editor pane appears. A tab appears for the file so that you can open multiple files and switch between them. For example, if you double-click the activity.xml layout file in the project > Android pane.

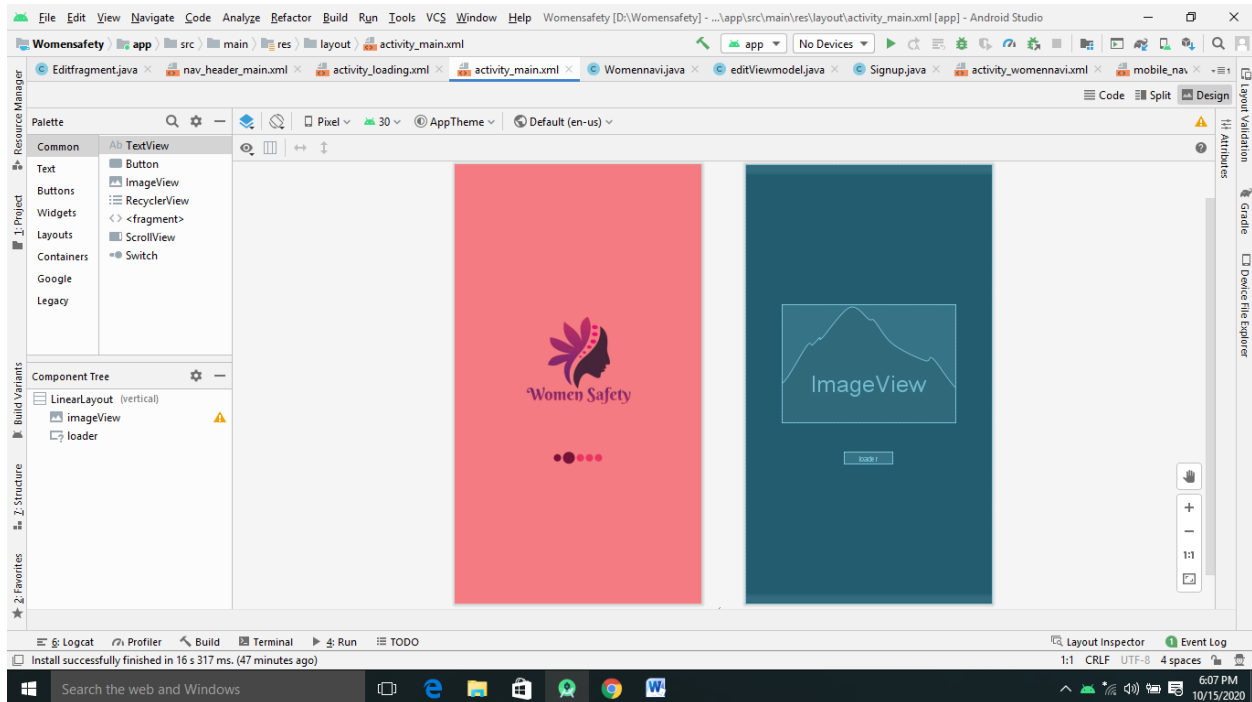
19. Make use of build gradle, plugin and android blocks, default config block, build types and dependencies, syncing your project.

20. To run the app Android Studio, select Run > Run app or click the  Run icon in the toolbar.

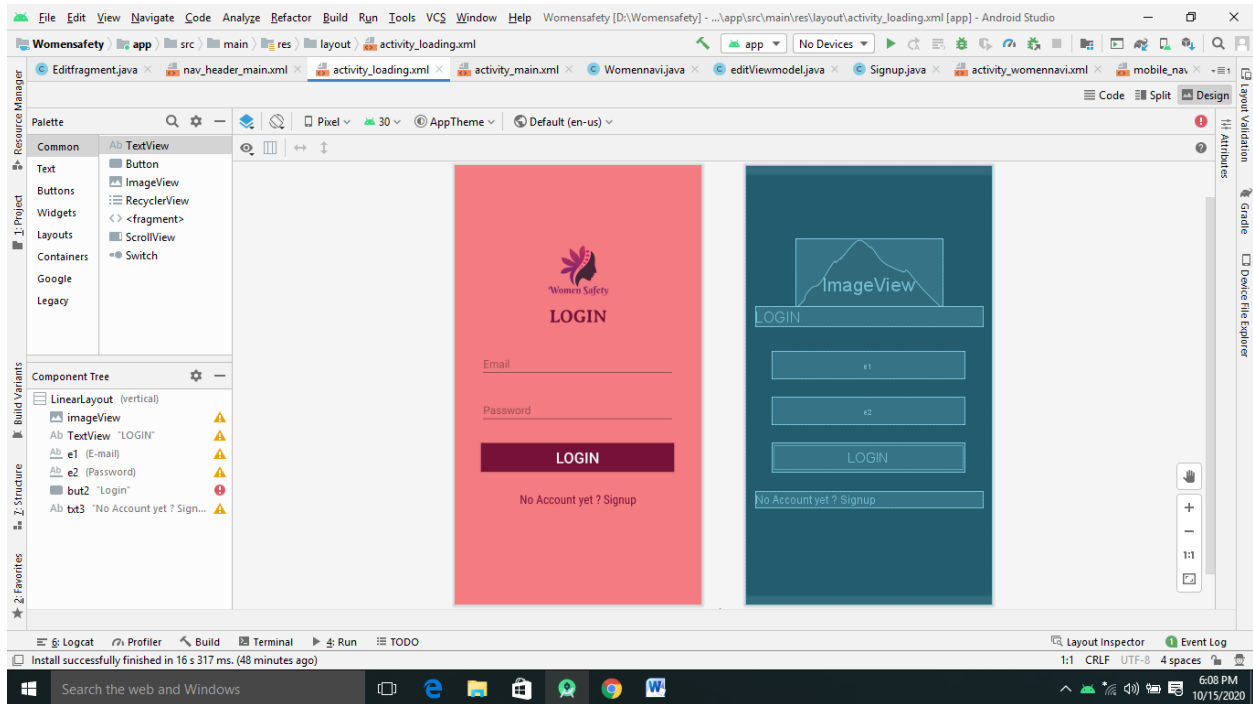
In the Select Deployment Target window, under Available Emulators, select the virtual device you created, and click OK

### (3) DESIGN WITH CODE:

#### ENTRY PAGE FOR LOADING:

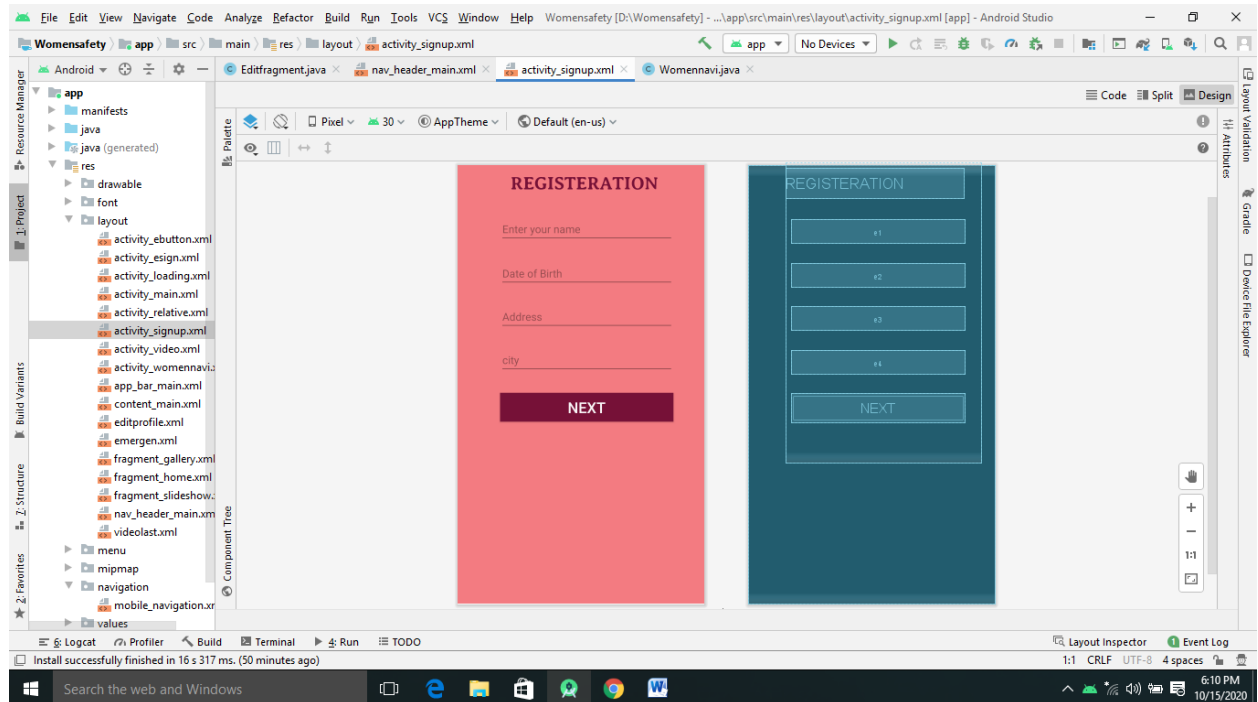


## LOGIN PAGE :

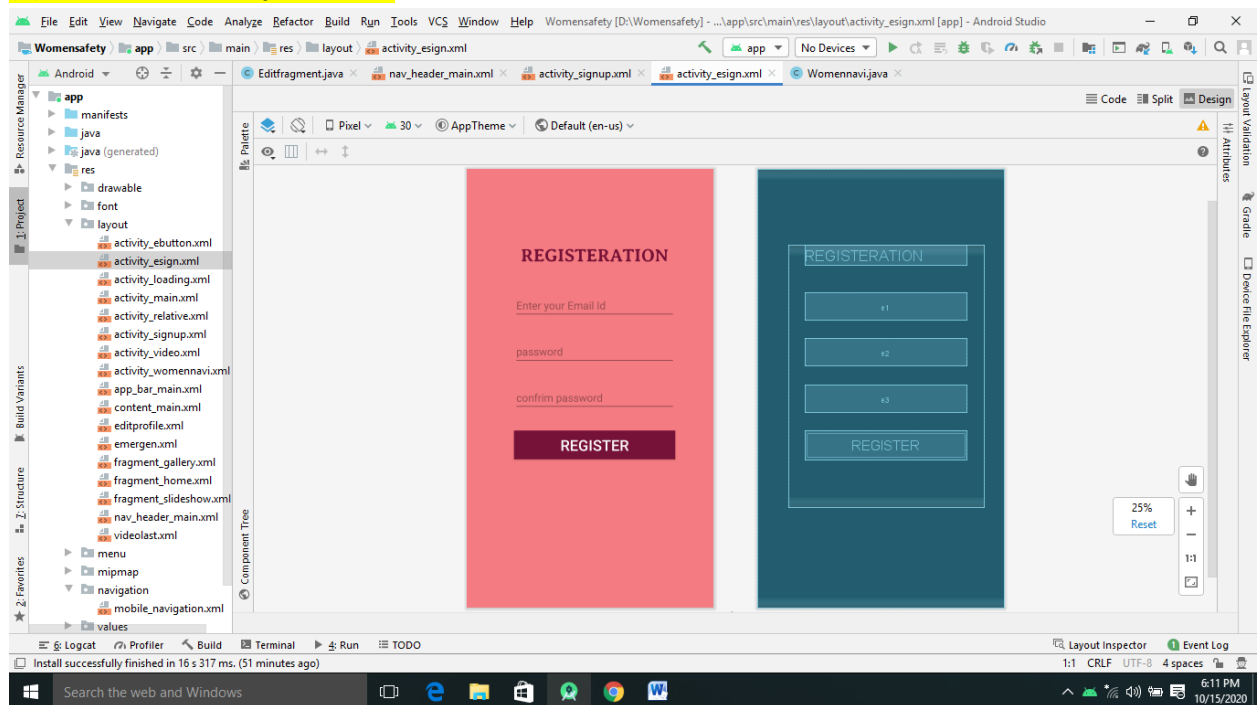


## SIGN UP :

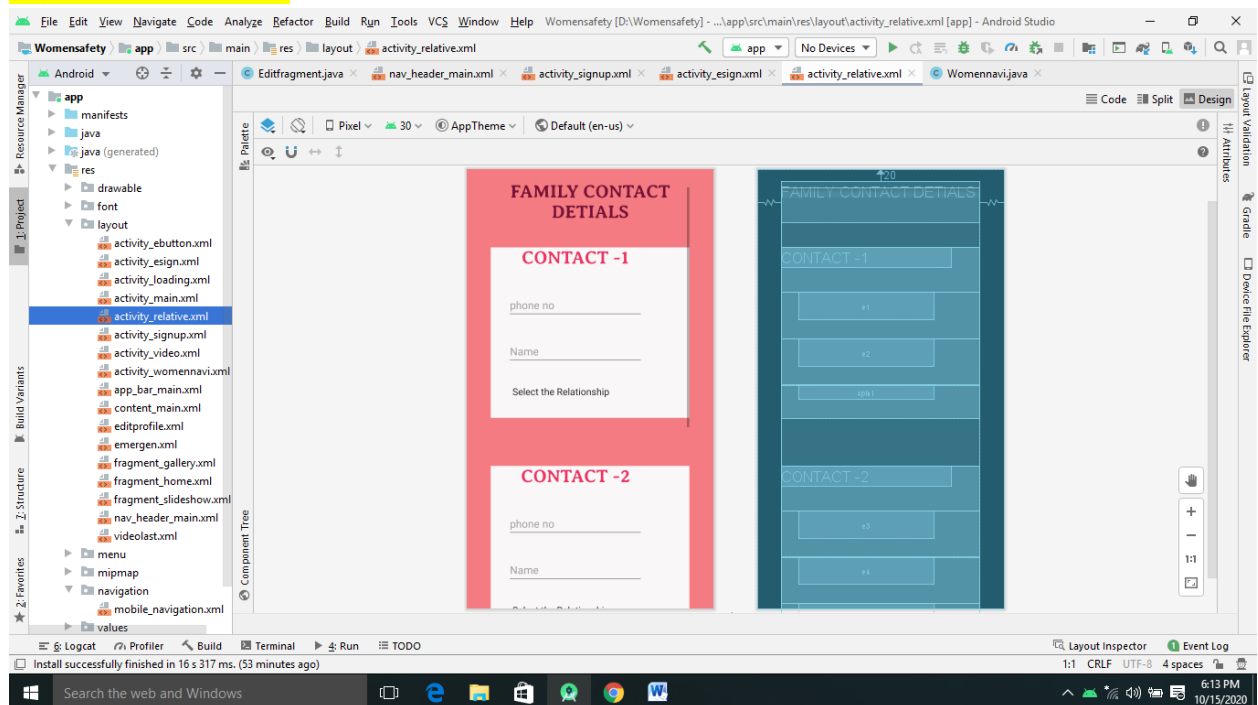
### (i) Registration :



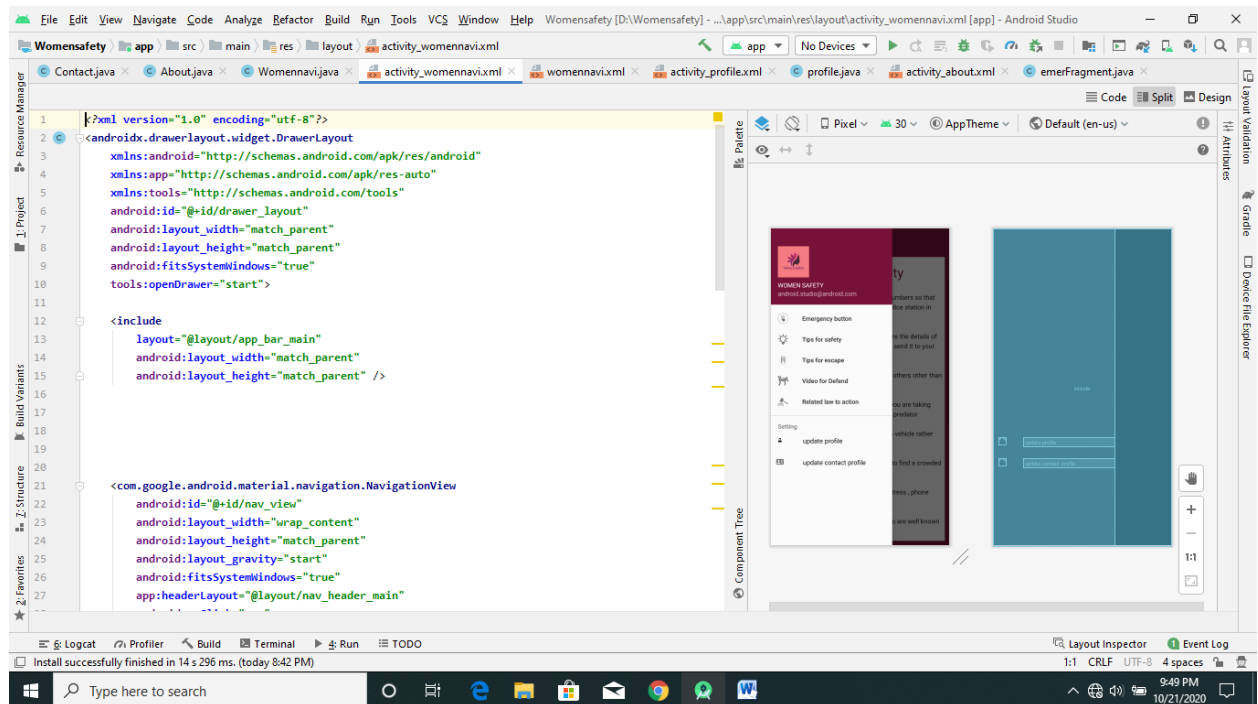
## (ii) Email Id and password :



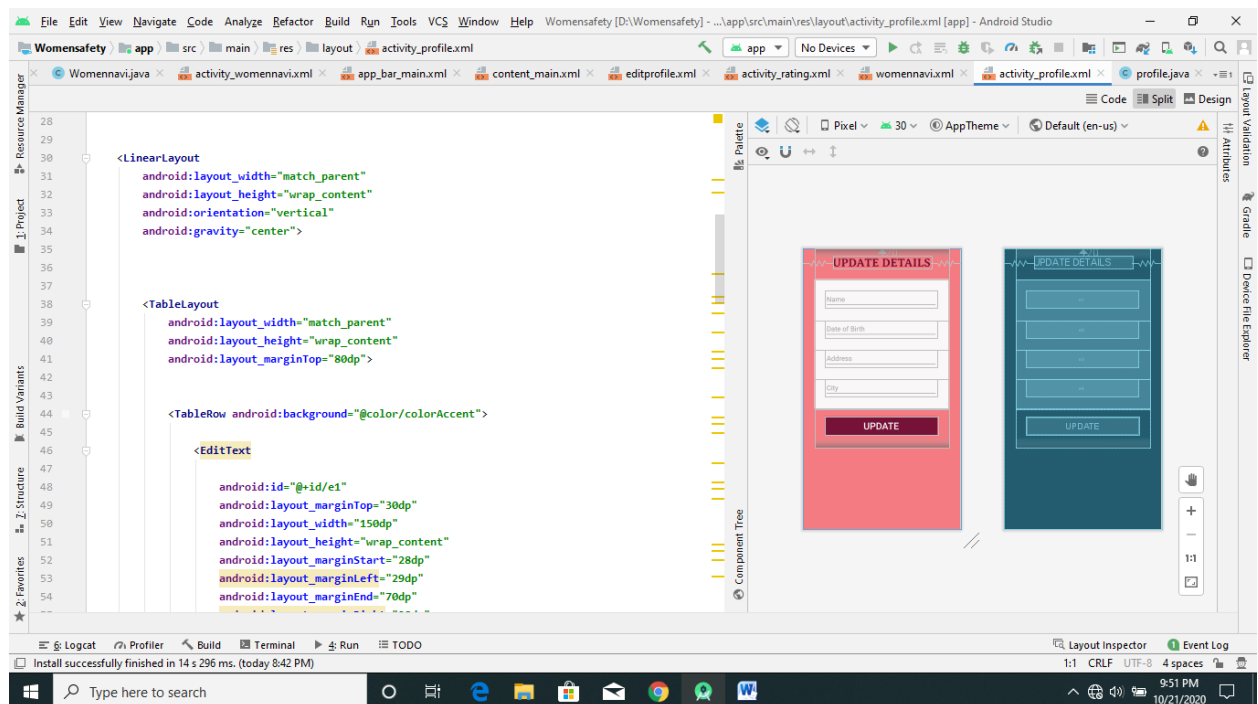
## (iii) Contact Details



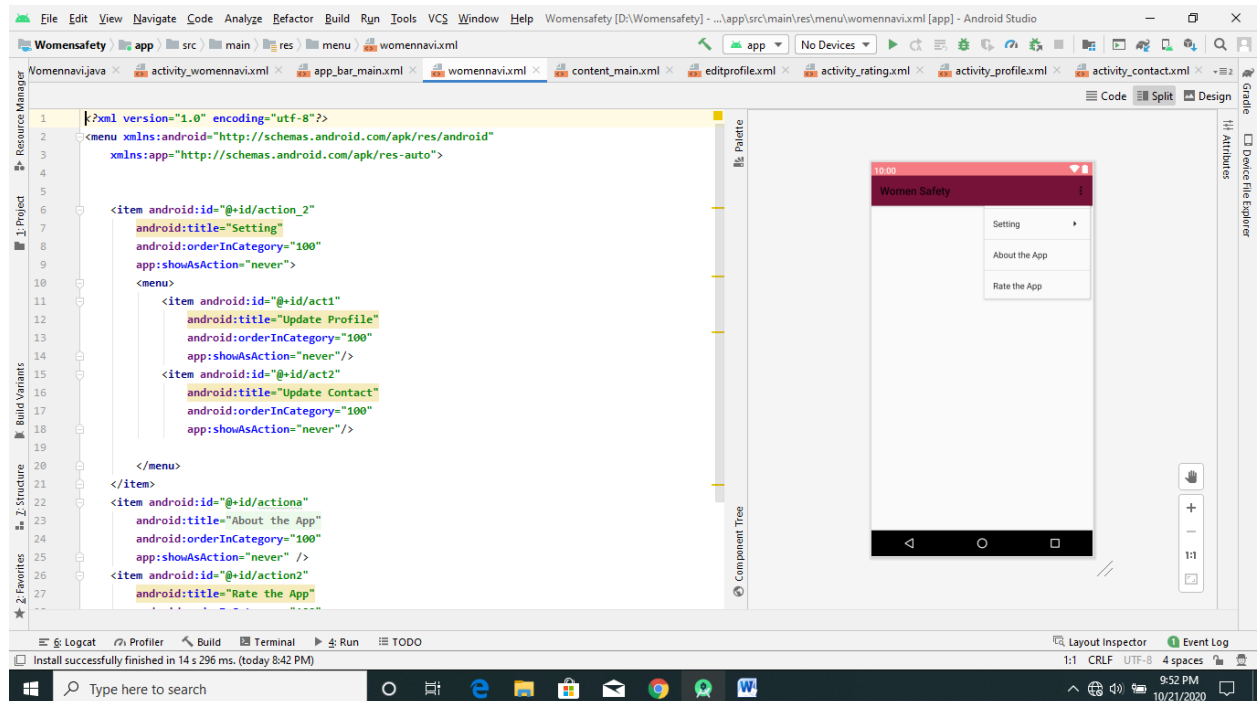
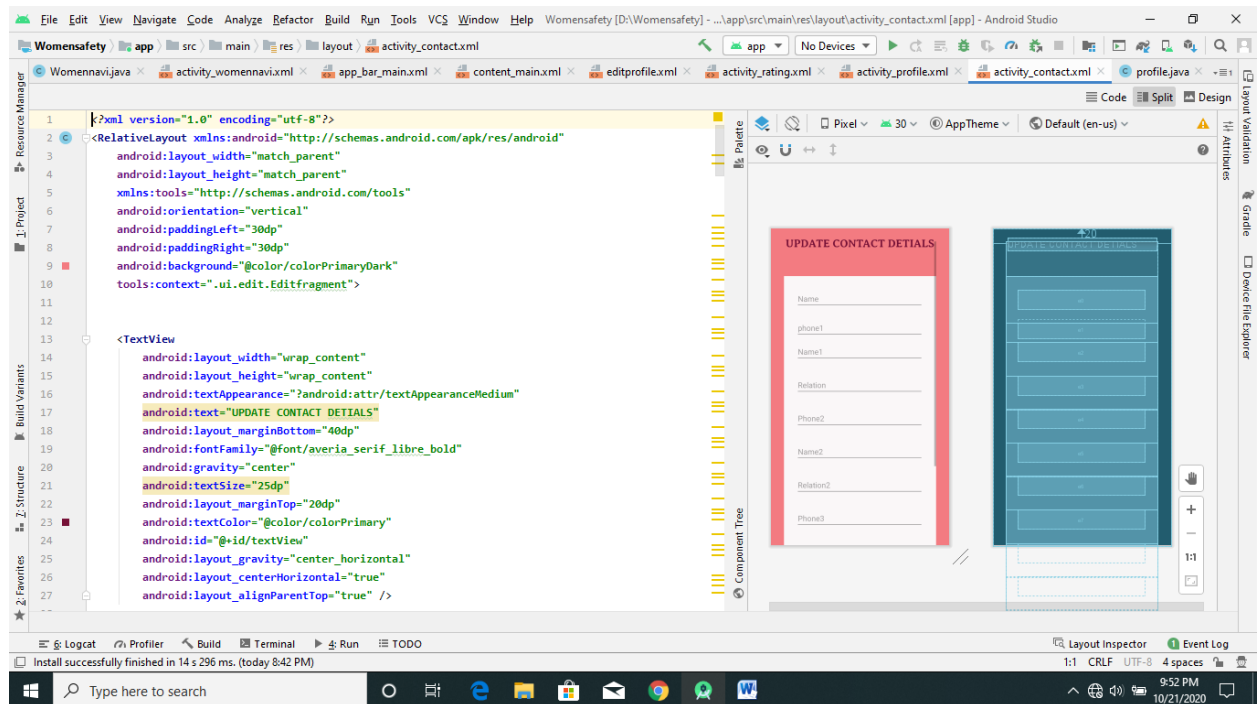
## NAVIGATION BAR XML:



## Update :

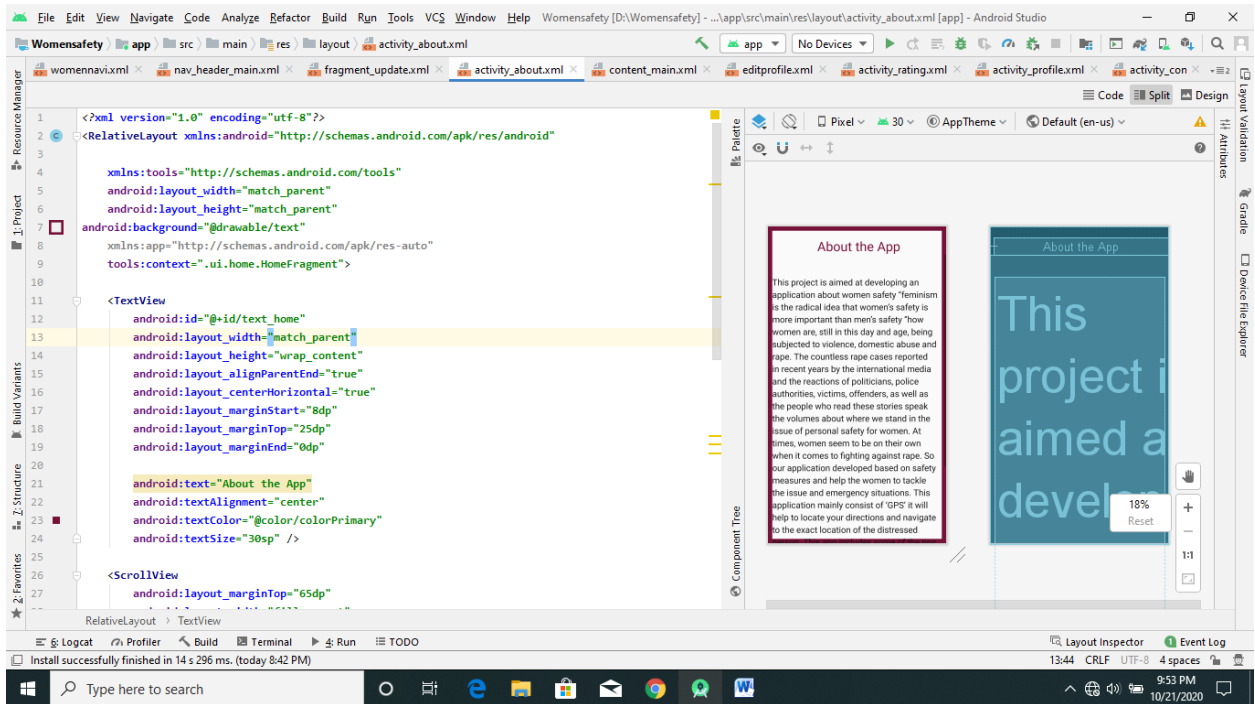


## Contact xml:

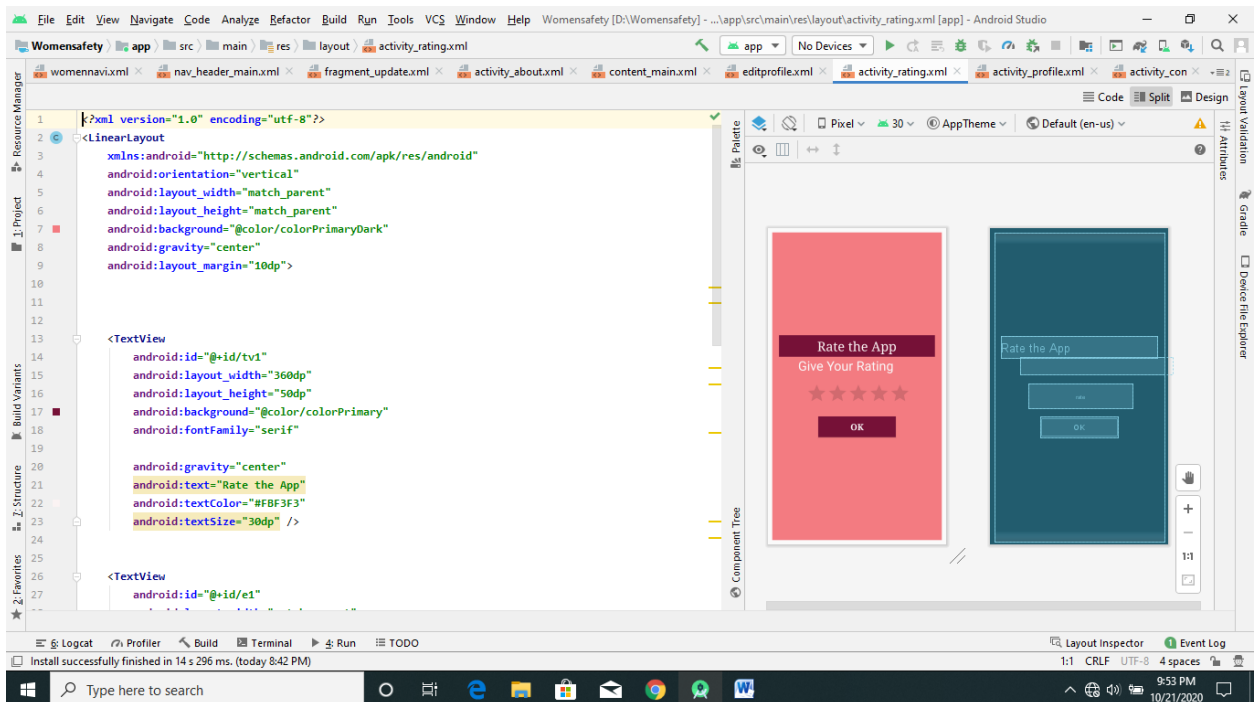




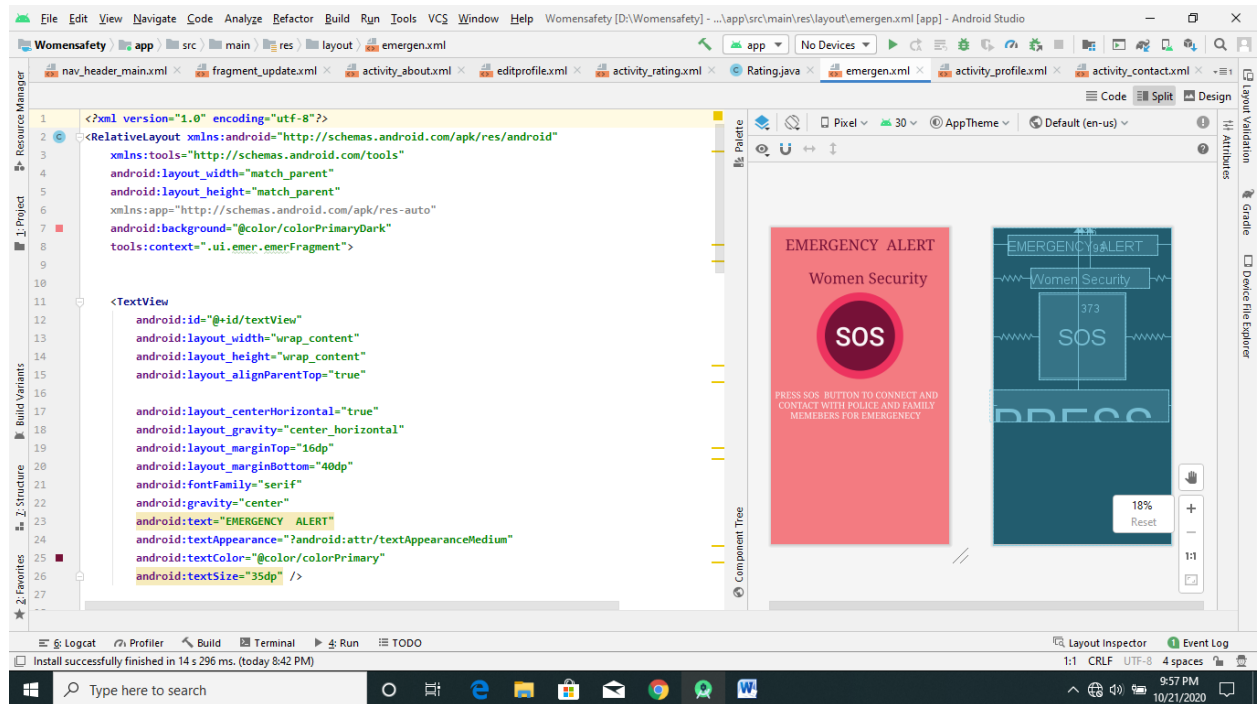
## ABOUT XML:



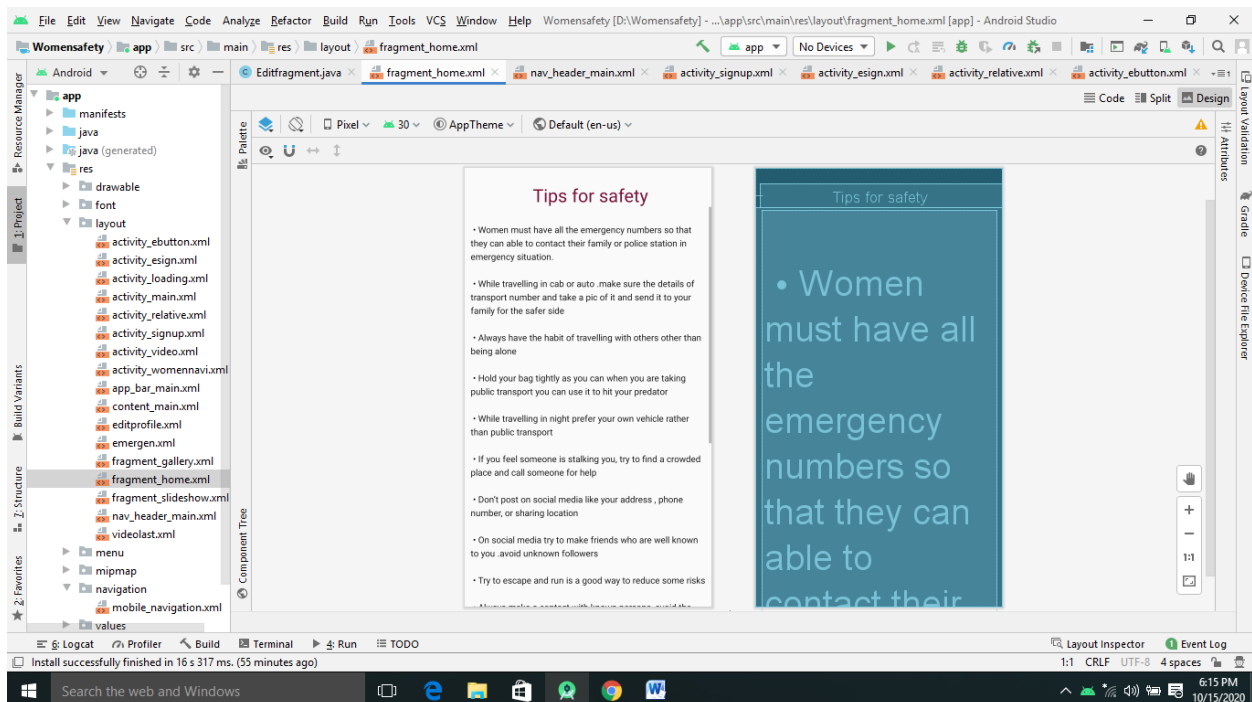
## Rating xml :



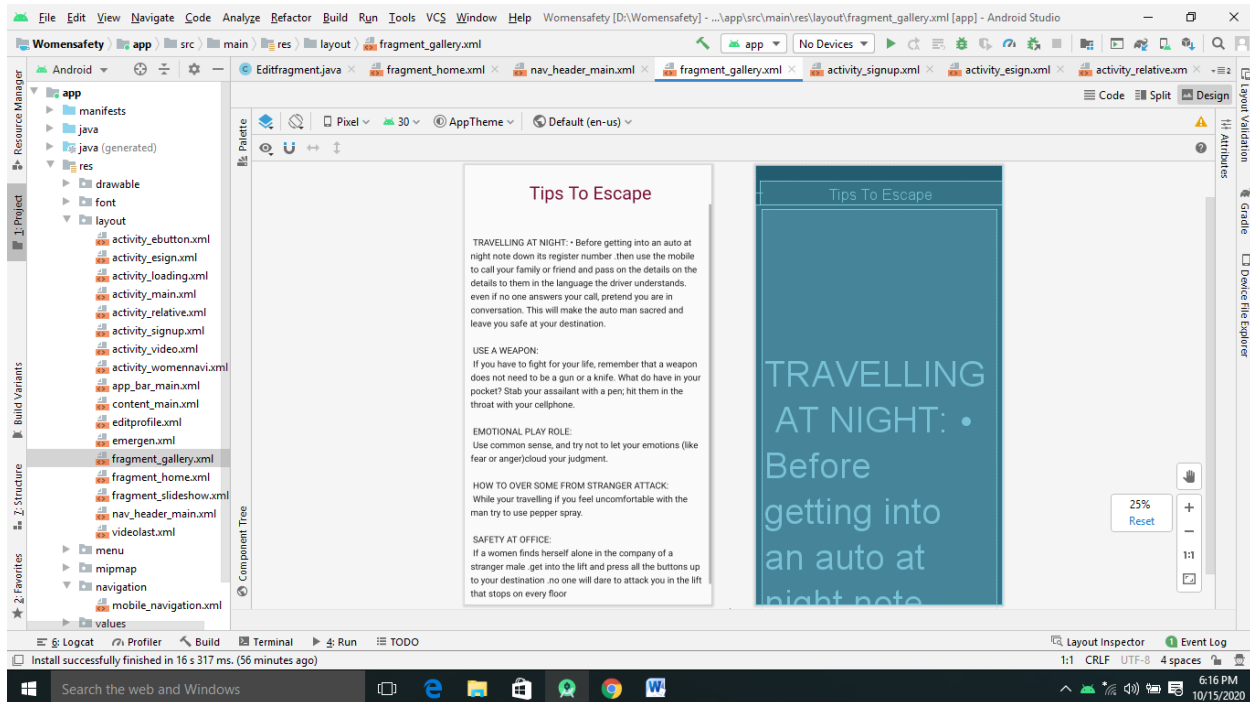
## Emergency Alert :



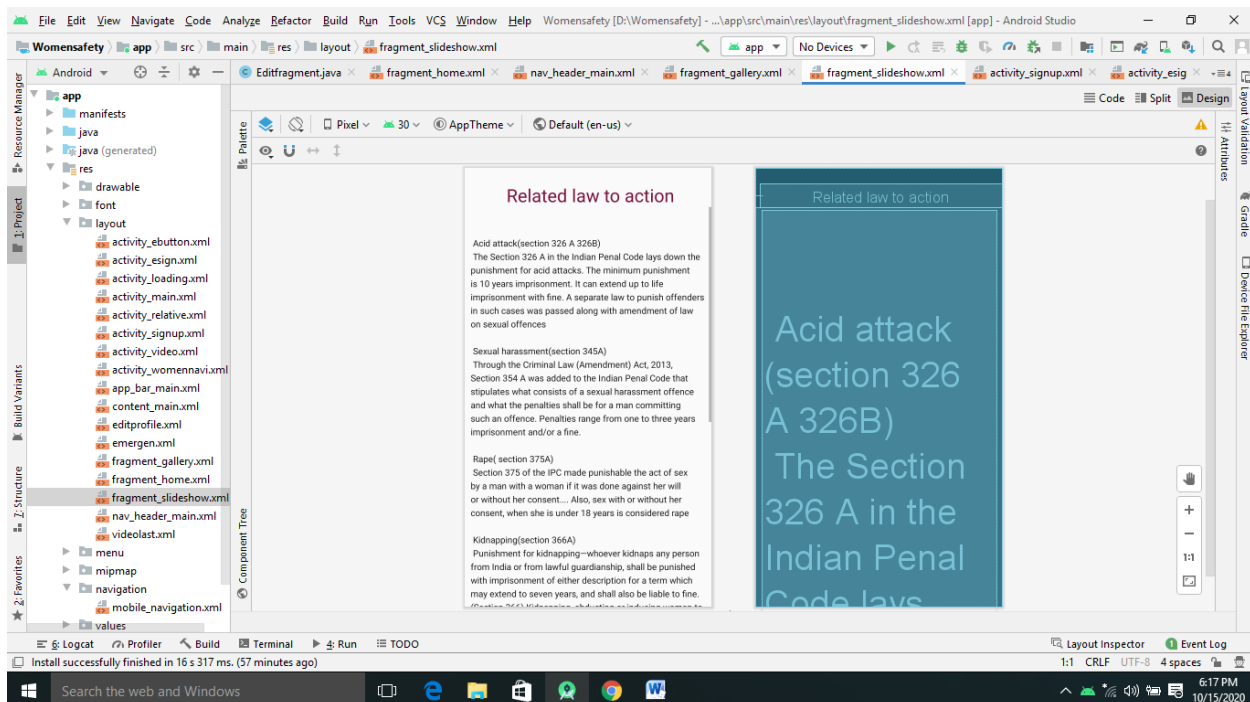
## TIPS FOR SAFETY:



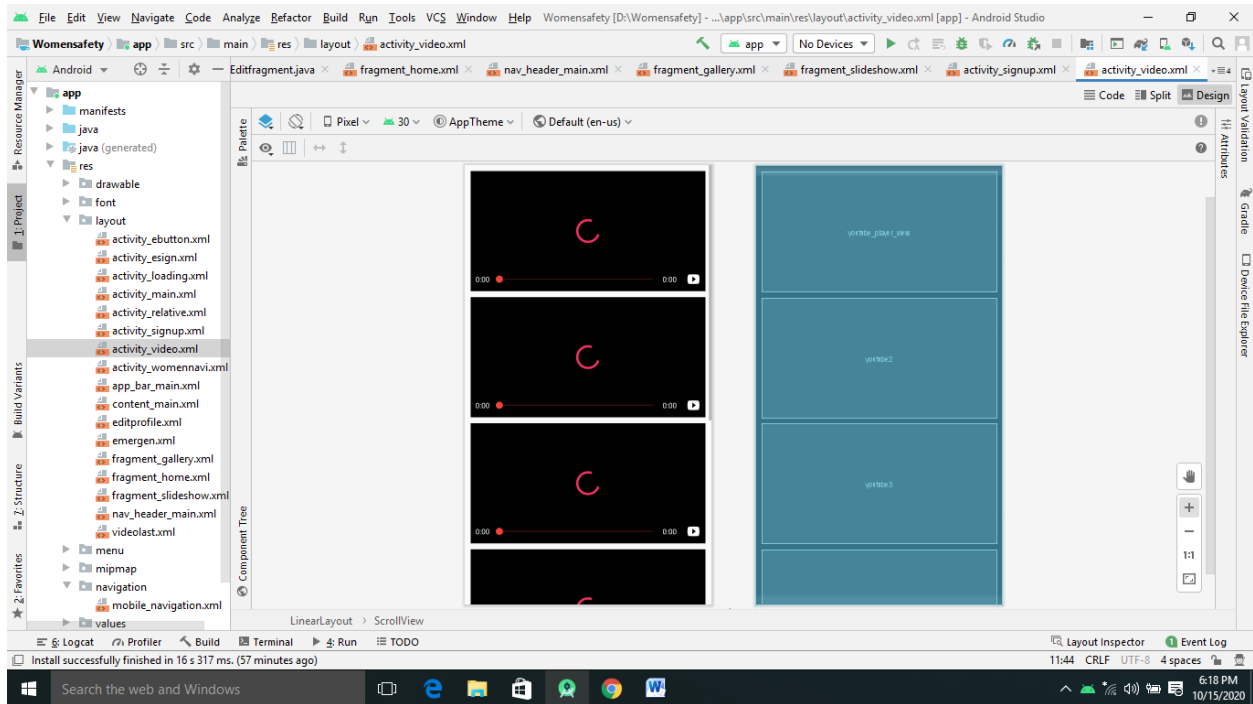
## TIPS FOR ESCAPE :



## RELATED LAW TO TAKE ACTION :



## VIDEO TO TAKE DEFENSE :



## (4)JAVA CODE:

### Login.java:

```
package com.example.womensafety;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.content.ContextCompat;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.LinearLayout;
import android.widget.TextView;
import android.widget.Toast;

import com.agrawalsuneet.dotsloader.loaders.LinearDotsLoader;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
```

```

import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.Query;
import com.google.firebase.database.ValueEventListener;

public class loading extends AppCompatActivity {
    EditText ed1,ed2;
    TextView txt1;
    Button btn;
    FirebaseAuth Fauth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_loading);
        ed1 = (EditText) findViewById(R.id.e1);
        ed2 = (EditText) findViewById(R.id.e2);
        txt1 = (TextView) findViewById(R.id.txt3);
        btn = (Button) findViewById(R.id.but2);
        Fauth = FirebaseAuth.getInstance();

        txt1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new Intent(loading.this, Signup.class);
                startActivity(intent);
            }
        });

        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String email=ed1.getText().toString().trim();
                String pass = ed2.getText().toString().trim();
                if(TextUtils.isEmpty(email)){
                    ed1.setError("Email is required");
                    return;
                }

                if(TextUtils.isEmpty(pass)){
                    ed2.setError("password is required");
                    return;
                }
                if(pass.length()<6){
                    ed2.setError("password must be >=6 character");
                    return;
                }

                Fauth.signInWithEmailAndPassword(email,pass).addOnCompleteListener(new
                OnCompleteListener<AuthResult>() {
                    @Override
                    public void onComplete(@NonNull Task<AuthResult> task) {
                        if(task.isSuccessful()){
                            Toast.makeText(loading.this, "Login successully",

```



```

import com.google.firebase.database.FirebaseDatabase;

import java.io.IOException;
import java.util.Calendar;
import java.util.List;
import java.util.Locale;

public class Signup extends AppCompatActivity {

    EditText eds1,eds2,eds3,eds4;
    Calendar c;
    DatePickerDialog dpd;
    Geocoder geo;
    List<Address> add;
    Double latitude = 11.127123;
    Double longitude = 78.656991;

    Button btn;
    FirebaseDatabase rootNode;
    DatabaseReference reference;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_signup);
        FragmentManager fragmentManager =getSupportFragmentManager();
        final FragmentTransaction fragmentTransaction = fragmentManager.beginTransaction();
        final Editfragment myfrag = new Editfragment();
        eds2 = (EditText)findViewById(R.id.e2);
        eds1 = (EditText)findViewById(R.id.e1);
        eds3 = (EditText)findViewById(R.id.e3);
        eds4 = (EditText)findViewById(R.id.e4);
        btn = (Button) findViewById(R.id.but2);

        eds2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                c = Calendar.getInstance();
                int day = c.get(Calendar.DAY_OF_MONTH);
                int month = c.get(Calendar.MONTH);
                int year = c.get(Calendar.YEAR);
                dpd = new DatePickerDialog(Signup.this, new
DatePickerDialog.OnDateSetListener() {
                    @Override
                    public void onDateSet(DatePicker datePicker, int myear, int mmonth,
int mday) {
                        eds2.setText(mday + "/" + (mmonth+1) + "/" + myear);
                    }
                }, day,month,year);
            }
        });
    }
}

```

```

        dpd.show();

    }
});
btn.setOnClickListener(
    new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            rootNode = FirebaseDatabase.getInstance();
            reference = rootNode.getReference("user");
            String name = eds1.getText().toString();
            String dob = eds2.getText().toString();
            String add = eds3.getText().toString();
            String city = eds4.getText().toString();
            database db = new database(name,dob,add,city);

            reference.child(name).setValue(db);

            if(name.equals("") && dob.equals("") && add.equals(""))&&
city.equals("")){
                Toast.makeText(getBaseContext(), "Enter the All values",
Toast.LENGTH_SHORT).show();
            }
            else if(name.equals("")) {
                Toast.makeText(getBaseContext(), "Name cannot be empty",
Toast.LENGTH_SHORT).show();
            }
            else if(dob.equals("")) {
                Toast.makeText(getBaseContext(), "date of birth cannot be empty",
Toast.LENGTH_SHORT).show();
            }
            else if(add.equals("")) {
                Toast.makeText(getBaseContext(), "Address cannot be empty",
Toast.LENGTH_SHORT).show();
            }
            else if(city.equals("")) {
                Toast.makeText(getBaseContext(), "City cannot be empty",
Toast.LENGTH_SHORT).show();
            }
            else {
                Toast.makeText(getBaseContext(), "All are Verifeid",
Toast.LENGTH_SHORT).show();
                Intent intent = new Intent(Signup.this, esign.class);
                intent.putExtra("name", name);
                intent.putExtra("dob", dob);
                intent.putExtra("add", add);
                intent.putExtra("city", city);
            }
        }
    }
);

```



```

        startActivity(intent);

        Bundle b = new Bundle();
        b.putString("name", name);
        b.putString("dob", dob);
        b.putString("add", add);
        b.putString("city", city);

        myfrag.setArguments(b);
        fragmentManager.add(R.id.edit, myfrag);
        fragmentManager.commit();

    }

    });
}
}
}

```

#### (ii) Email Java code :

```

package com.example.womensafety;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.example.womensafety.ui.database;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

public class esign extends AppCompatActivity {
    Button btn;
    EditText ed1,ed2,ed3;
    FirebaseDatabase rootNode;
    DatabaseReference reference;
    Intent intent;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_esign);
        btn = (Button) findViewById(R.id.but2);
    }
}

```

```

ed1 = (EditText)findViewById(R.id.e1);
ed2 = (EditText)findViewById(R.id.e2);
ed3 = (EditText)findViewById(R.id.e3);

btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        rootNode = FirebaseDatabase.getInstance();
        reference = rootNode.getReference("Email");
        intent = getIntent();
        String name = intent.getStringExtra("name");
        String add = intent.getStringExtra("add");
        String dob = intent.getStringExtra("dob");
        String city = intent.getStringExtra("city");

        String email = ed1.getText().toString();
        String pass = ed2.getText().toString();
        String cpass = ed3.getText().toString();
        database data = new database(email,pass,cpass);

        reference.child(name).setValue(data);

        if(email.equals("") && pass.equals("") && cpass.equals("")){
            Toast.makeText(getApplicationContext(), "Enter the All values",
Toast.LENGTH_SHORT).show();
        }
        else if(email.equals("")) {
            Toast.makeText(getApplicationContext(), "Email cannot be empty",
Toast.LENGTH_SHORT).show();
        }else if(pass.equals("")) {
            Toast.makeText(getApplicationContext(), "password cannot be empty",
Toast.LENGTH_SHORT).show();
        }
        else if(cpass.equals("")) {
            Toast.makeText(getApplicationContext(), "confirm password cannot be
empty", Toast.LENGTH_SHORT).show();
        }
        else {
            Toast.makeText(getApplicationContext(), "All are Verifeid",
Toast.LENGTH_SHORT).show();
            intent = new Intent(esign.this,Relative.class);
            intent.putExtra("name",name );
            intent.putExtra("dob", dob);
            intent.putExtra("add", add);
            intent.putExtra("city", city);
            startActivity(intent);
        }
    }
});

```

```
}  
}
```

### 3. Contact Java Code :

```
package com.example.womensafety;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.AdapterView.OnItemClickListener;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Spinner;  
import android.widget.Toast;  
  
import com.example.womensafety.ui.database;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class Relative extends AppCompatActivity implements  
AdapterView.OnItemClickListener {  
    Button btn;  
    EditText ed1,ed2,ed3,ed4,ed5,ed6;  
    Spinner sp1,sp2,sp3;  
    FirebaseDatabase rootNode;  
    DatabaseReference reference;  
    Intent intent;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_relative);  
        ed1 = (EditText)findViewById(R.id.e1);  
        ed2 = (EditText)findViewById(R.id.e2);  
        ed3 = (EditText)findViewById(R.id.e3);  
        ed4 = (EditText)findViewById(R.id.e4);
```

```

ed5 = (EditText)findViewById(R.id.e5);
ed6 = (EditText)findViewById(R.id.e6);
btn = (Button) findViewById(R.id.but2);

sp1=findViewById(R.id.spin1);
sp3=findViewById(R.id.spin3);
sp2 = findViewById(R.id.spin2);

btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        rootNode = FirebaseDatabase.getInstance();
        reference = rootNode.getReference("Contact");
        intent = getIntent();
        String name = intent.getStringExtra("name");
        String add = intent.getStringExtra("add");
        String dob = intent.getStringExtra("dob");
        String city = intent.getStringExtra("city");

        String phone1 =ed1.getText().toString();
        String name1 =ed2.getText().toString();
        String phone2 =ed3.getText().toString();
        String name2 =ed4.getText().toString();
        String phone3 =ed5.getText().toString();
        String name3 =ed6.getText().toString();
        String spn1 = sp1.getSelectedItem().toString();
        String spn2 = sp2.getSelectedItem().toString();
        String spn3 = sp3.getSelectedItem().toString();
        database datab = new
database(phone1,phone2,phone3,name1,name2,name3,spn1,spn2,spn3);
        reference.child(name).setValue(datab);

        if(phone1.equals("") && name1.equals("")&& phone2.equals("")&&
name2.equals("") && phone3.equals("")&& name3.equals("")){
            Toast.makeText(getApplicationContext(), "Enter the All values",
Toast.LENGTH_SHORT).show();
        }
        else if(phone1.equals("") && name1.equals("")) {
            Toast.makeText(getApplicationContext(), "Enter Contant-1 Detials",
Toast.LENGTH_SHORT).show();
        }

        else if(phone1.equals("")) {
            Toast.makeText(getApplicationContext(), "Enter the Contant-1 phone
number", Toast.LENGTH_SHORT).show();
        }
        else if(name1.equals("")) {
            Toast.makeText(getApplicationContext(), "Enter the Contant-1 name ",
Toast.LENGTH_SHORT).show();
        }
    }
}

```

```

        else if(phone2.equals("") && name2.equals("")) {
            Toast.makeText(getBaseContext(), "Enter Contant-2 Detials",
Toast.LENGTH_SHORT).show();
        }

        else if(phone2.equals("")) {
            Toast.makeText(getBaseContext(), "Enter the Contant-2 phone
number", Toast.LENGTH_SHORT).show();
        }
        else if(name2.equals("")) {
            Toast.makeText(getBaseContext(), "Enter the Contant-2 name ",
Toast.LENGTH_SHORT).show();
        }

        else if(phone3.equals("") && name3.equals("") ) {
            Toast.makeText(getBaseContext(), "Enter Contant-3 Detials",
Toast.LENGTH_SHORT).show();
        }

        else if(phone3.equals("")) {
            Toast.makeText(getBaseContext(), "Enter the Contant-3 phone
number", Toast.LENGTH_SHORT).show();
        }
        else if(name3.equals("")) {
            Toast.makeText(getBaseContext(), "Enter the Contant-3 name ",
Toast.LENGTH_SHORT).show();
        }
    }
    else{
        Intent intent = new Intent(Relative.this,Womennavi.class);

        intent.putExtra("name",name );
        intent.putExtra("dob", dob);
        intent.putExtra("add", add);
        intent.putExtra("city", city);
        startActivity(intent);
    }
});
}

@Override
public void onItemClick(AdapterView<?> adapterView, View view, int i, long l)
{
    Toast.makeText(this,adapterView.getSelectedItem().toString(),Toast.LENGTH_SHORT).show
();
}

@Override
public void onNothingSelected(AdapterView<?> adapterView) {

```

```
}  
  
}
```

### Emergency java Code :

```
package com.example.womensafety.ui.emer;  
  
import android.Manifest;  
import android.annotation.SuppressLint;  
import android.content.Intent;  
import android.content.pm.PackageManager;  
import android.location.Address;  
import android.location.Geocoder;  
import android.location.Location;  
import android.os.Bundle;  
import android.telephony.SmsManager;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
  
import androidx.core.app.ActivityCompat;  
import androidx.core.content.ContextCompat;  
import androidx.fragment.app.Fragment;  
import androidx.lifecycle.Observer;  
import androidx.lifecycle.ViewModelProviders;  
  
import com.example.womensafety.R;  
import com.example.womensafety.Signup;  
import com.example.womensafety.loading;  
import com.google.android.gms.location.FusedLocationProviderClient;  
import com.google.android.gms.location.LocationServices;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
  
import java.io.IOException;  
import java.util.List;  
import java.util.Locale;  
  
public class emerFragment extends Fragment {
```



```

        String mylat = String.valueOf(lt.getLatitude());
        String mylong = String.valueOf(lt.getLongitude());
        String ss = "latitude: " + mylat + " \n longitude : "
+ mylong;

        SmsManager smsManager = SmsManager.getDefault();
        smsManager.sendTextMessage(phoe,null,ss,null,null);
        smsManager.sendTextMessage(pho1,null,ss,null,null);
        Geocoder geo = new Geocoder(getActivity(),

Locale.getDefault());

        List<Address> addresses =
geo.getFromLocation(lt.getLatitude(),lt.getLongitude(),0);

        } catch (IOException e) {
            e.printStackTrace();
        }
    }
});

}

});

{
    eViewModel.getText().observe(getViewLifecycleOwner(), new Observer<String>()
    {
        @Override
        public void onChanged(@Nullable String s) {

        }
    });
    return root;

}

private void message() {

    String phone = "+91 8525839444";
    String sms = "help";

    if(!phone.equals("") || !sms.equals("")) {
        SmsManager smsManager = SmsManager.getDefault();

```



```

        smsManager.sendTextMessage(phone, null, sms, null, null);
        Toast.makeText(getActivity(), "message sent", Toast.LENGTH_SHORT).show();
    }
    else
    {
        Toast.makeText(getActivity(), "pleas enter 2 ",
Toast.LENGTH_SHORT).show();
    }

}

@Override
public void onRequestPermissionsResult(int requestCode, @NonNull String[]
permissions, @NonNull int[] grantResults) {
    super.onRequestPermissionsResult(requestCode, permissions, grantResults);

    switch (requestCode){
        case 0:
            if(grantResults.length>=0 &&
grantResults[0]==PackageManager.PERMISSION_GRANTED){
                message();
            }
            else {
                Toast.makeText(getActivity(), "you do n permisss",
Toast.LENGTH_SHORT).show();
            }
            break;
        }
    }
}

```

Emergency View Model java code :

```

package com.example.womensafety.ui.emer;

import android.view.View;

import androidx.lifecycle.LiveData;
import androidx.lifecycle.MutableLiveData;
import androidx.lifecycle.ViewModel;

public class emerViewModel extends ViewModel {
    private MutableLiveData<String> mText,mbt;

    public emerViewModel() {
        mText = new MutableLiveData<>();
        mbt = new MutableLiveData<>();
        mText.setValue("This is gallery fragment");
    }
}

```

```

    }

    public LiveData<String> getText() {
        return mText;
    }

}

```

### TIPS FOR SAFETY JAVA CODE :

```

package com.example.womensafety.ui.gallery;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;
import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.fragment.app.Fragment;
import androidx.lifecycle.Observer;
import androidx.lifecycle.ViewModelProviders;
import com.example.womensafety.R;

public class GalleryFragment extends Fragment {

    private GalleryViewModel galleryViewModel;

    public View onCreateView(@NonNull LayoutInflater inflater,
        ViewGroup container, Bundle savedInstanceState) {
        galleryViewModel =
            ViewModelProviders.of(this).get(GalleryViewModel.class);
        View root = inflater.inflate(R.layout.fragment_gallery, container, false);

        galleryViewModel.getText().observe(getViewLifecycleOwner(), new
        Observer<String>() {
            @Override
            public void onChanged(@Nullable String s) {

            }
        });
        return root;
    }
}

```

### TIPS FOR ESCAPE CODE :

```
package com.example.womensafety.ui.home;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;
import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.fragment.app.Fragment;
import androidx.lifecycle.Observer;
import androidx.lifecycle.ViewModelProviders;
import com.example.womensafety.R;

public class HomeFragment extends Fragment {

    private HomeViewModel homeViewModel;

    public View onCreateView(@NonNull LayoutInflater inflater,
        ViewGroup container, Bundle savedInstanceState) {
        homeViewModel =
            ViewModelProviders.of(this).get(HomeViewModel.class);
        View root = inflater.inflate(R.layout.fragment_home, container, false);

        homeViewModel.getText().observe(getViewLifecycleOwner(), new
Observer<String>() {
            @Override
            public void onChanged(@Nullable String s) {

            }
        });
        return root;
    }
}
```

### Related Law To Take Action :

```
package com.example.womensafety.ui.slideshow;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;
import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.fragment.app.Fragment;
import androidx.lifecycle.Observer;
import androidx.lifecycle.ViewModelProviders;
```

```

import com.example.womensafety.R;

public class SlideshowFragment extends Fragment {

    private SlideshowViewModel slideshowViewModel;

    public View onCreateView(@NonNull LayoutInflater inflater,
        ViewGroup container, Bundle savedInstanceState) {
        slideshowViewModel =
            ViewModelProviders.of(this).get(SlideshowViewModel.class);
        View root = inflater.inflate(R.layout.fragment_slideshow, container, false);

        slideshowViewModel.getText().observe(getViewLifecycleOwner(), new
Observer<String>() {
            @Override
            public void onChanged(@Nullable String s) {

            }
        });
        return root;
    }
}

```

#### Update Profile:

```

package com.example.womensafety;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

public class profile extends AppCompatActivity {
    EditText ed1,ed2,ed3,ed4;
    Button btn;
    DatabaseReference reference;
    String name,dob,add,city;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_profile);
        reference = FirebaseDatabase.getInstance().getReference("user");

        ed1 = (EditText)findViewById(R.id.e1);
        ed2 = (EditText)findViewById(R.id.e2);
        ed3 = (EditText) findViewById(R.id.e3);
    }
}

```

```

ed4 = (EditText) findViewById(R.id.e4);
btn = (Button) findViewById(R.id.but);

Intent intent = getIntent();
name = intent.getStringExtra("name");
dob= intent.getStringExtra("dob");
add = intent.getStringExtra("add");
city = intent.getStringExtra("city");
ed1.setText(name);
ed2.setText(dob);
ed3.setText(add);
ed4.setText(city);

btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        if(isNamechnge()){
            Toast.makeText(profile.this, "Your detial is updated",
Toast.LENGTH_SHORT).show();
        }
        else
        {
            Toast.makeText(profile.this, "Not update",
Toast.LENGTH_SHORT).show();
        }
    }

    private boolean isNamechnge()
    {
        if(!name.equals(ed1.getText().toString()))
        {

reference.child(name).child("name").setValue(ed1.getText().toString());
            name = ed1.getText().toString();

reference.child(name).child("dob").setValue(ed2.getText().toString());
            dob = ed2.getText().toString();

reference.child(name).child("add").setValue(ed3.getText().toString());
            add= ed3.getText().toString();

reference.child(name).child("city").setValue(ed4.getText().toString());
            city = ed4.getText().toString();
            return true;
        }
        else {
            return false;
        }
    }
}

```

```

    });

}

}

```

### contact update:

```

package com.example.womensafety;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
public class Contact extends AppCompatActivity {
    EditText ed1,ed2,ed3,ed4,ed5,ed6,ed7,ed8,ed9,ed0;
    Button btn;
    DatabaseReference reference;
    String name,phone1,phone2,phone3,name1,name2,name3,spn1,spn2,spn3;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_contact);
        reference = FirebaseDatabase.getInstance().getReference("Contact");
        ed1 = (EditText)findViewById(R.id.e1);
        ed0 = (EditText)findViewById(R.id.e0);
        ed2 = (EditText)findViewById(R.id.e2);
        ed3 = (EditText) findViewById(R.id.e3);
        ed4 = (EditText) findViewById(R.id.e4);
        ed5= (EditText) findViewById(R.id.e5);
        ed6 = (EditText) findViewById(R.id.e6);
        ed7 = (EditText) findViewById(R.id.e7);
        ed8 = (EditText) findViewById(R.id.e8);
        ed9 = (EditText) findViewById(R.id.e9);
        btn = (Button) findViewById(R.id.but);

        Intent intent = getIntent();
        name = intent.getStringExtra("name");
        phone1 = intent.getStringExtra("phone1");
        name1 = intent.getStringExtra("name1");
        spn1 = intent.getStringExtra("spn1");
        phone2 = intent.getStringExtra("phone2");
    }
}

```

```

        name2 = intent.getStringExtra("name2");
        spn2 = intent.getStringExtra("spn2");
        phone3 = intent.getStringExtra("phone3");
        name3 = intent.getStringExtra("name3");
        spn3 = intent.getStringExtra("spn3");
        ed0.setText(name);
        ed1.setText(phone1);
        ed2.setText(name1);
        ed3.setText(spn1);
        ed4.setText(phone2);
        ed5.setText(name2);
        ed6.setText(spn2);
        ed7.setText(phone3);
        ed8.setText(name3);
        ed9.setText(spn3);

        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(isNamechnge()){
                    Toast.makeText(Contact.this, "Your detial is updated",
Toast.LENGTH_SHORT).show();
                }
                else
                {
                    Toast.makeText(Contact.this, "Not update",
Toast.LENGTH_SHORT).show();
                }
            }
        })

        private boolean isNamechnge() {

            if (name.equals(ed0.getText().toString())) {

reference.child(name).child("name").setValue(ed0.getText().toString());
                name = ed0.getText().toString();

reference.child(phone1).child("phone1").setValue(ed1.getText().toString());
                phone1 = ed1.getText().toString();

reference.child(name1).child("name1").setValue(ed2.getText().toString());
                name1 = ed2.getText().toString();

reference.child(name).child("spn1").setValue(ed3.getText().toString());
                spn1 = ed3.getText().toString();

reference.child(name).child("phone2").setValue(ed4.getText().toString());
                phone2 = ed4.getText().toString();

reference.child(name).child("name2").setValue(ed5.getText().toString());
                name2 = ed5.getText().toString();

```

```

reference.child(name).child("spn2").setValue(ed6.getText().toString());
    spn2 = ed6.getText().toString();

reference.child(name).child("phone3").setValue(ed7.getText().toString());
    phone3 = ed7.getText().toString();

reference.child(name).child("name3").setValue(ed8.getText().toString());
    name3 = ed8.getText().toString();

reference.child(name).child("spn3").setValue(ed9.getText().toString());
    spn3 = ed9.getText().toString();
    return true;
} else {
    return false;
}

    }
});
}
}

```

### Navigation Bar :

```

package com.example.womensafety;

import android.app.Dialog;
import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.view.Menu;
import android.view.Window;
import android.widget.TextView;
import android.widget.Toast;

import com.example.womensafety.ui.edit.Editfragment;
import com.google.android.material.floatingactionbutton.FloatingActionButton;
import com.google.android.material.snackbar.Snackbar;
import com.google.android.material.navigation.NavigationView;

import androidx.annotation.NonNull;
import androidx.fragment.app.FragmentManager;
import androidx.fragment.app.FragmentTransaction;
import androidx.navigation.NavController;
import androidx.navigation.Navigation;
import androidx.navigation.ui.AppBarConfiguration;
import androidx.navigation.ui.NavigationUI;
import androidx.drawerlayout.widget.DrawerLayout;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;

public class Womennavi extends AppCompatActivity {

```



```

private AppBarConfiguration mAppBarConfiguration;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_womennavi);

    TextView t1 = (TextView)findViewById(R.id.t1);
    TextView t2 = (TextView)findViewById(R.id.t2);
    Toolbar toolbar = findViewById(R.id.toolbar);
    setSupportActionBar(toolbar);

    FragmentManager fragmentManager =getSupportFragmentManager();
    final FragmentTransaction fragmentTransaction =
fragmentManager.beginTransaction();
    final Editfragment myfrag = new Editfragment();

    t1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {

            Intent intent = getIntent();
            String name = intent.getStringExtra("name");
            String dob = intent.getStringExtra("dob");
            String add = intent.getStringExtra("add");
            String city = intent.getStringExtra("city");
            Intent intent1;
            intent1 = new Intent(Womennavi.this,profile.class);
            intent1.putExtra("name",name);
            intent1.putExtra("dob",dob);
            intent1.putExtra("add",add);
            intent1.putExtra("city",city);
            startActivity(intent1);

        }
    });

    t2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {

            Intent intent = getIntent();
            String phone1 = intent.getStringExtra("phone1");
            String name1 = intent.getStringExtra("name1");
            String spn1 = intent.getStringExtra("spn1");
            String phone2 = intent.getStringExtra("phone2");
            String name2 = intent.getStringExtra("name2");
            String spn2 = intent.getStringExtra("spn2");
            String phone3 = intent.getStringExtra("phone3");
            String name3 = intent.getStringExtra("name3");
            String spn3 = intent.getStringExtra("spn3");

```

```

        String name = intent.getStringExtra("name");
        Intent intent1;
        intent1 = new Intent(Womennavi.this,Contact.class);
        intent1.putExtra("phone1", phone1);
        intent1.putExtra("name1", name1);
        intent1.putExtra("spn1", spn1);
        intent1.putExtra("phone2", phone2);
        intent1.putExtra("name2", name2);
        intent1.putExtra("spn2", spn2);
        intent1.putExtra("phone3", phone3);
        intent1.putExtra("name3", name3);
        intent1.putExtra("spn3", spn3);
        intent1.putExtra("name",name);
        startActivity(intent1);

    }
});
DrawerLayout drawer = findViewById(R.id.drawer_layout);
NavigationView navigationView = findViewById(R.id.nav_view);
// Passing each menu ID as a set of Ids because each
// menu should be considered as top level destinations.
mAppBarConfiguration = new AppBarConfiguration.Builder(
        R.id.nav_emer, R.id.nav_home, R.id.nav_gallery,
        R.id.nav_slideshow,R.id.update,R.id.nav_defend)
        .setDrawerLayout(drawer)
        .build();
NavController navController = Navigation.findNavController(this,
        R.id.nav_host_fragment);
NavigationUI.setupActionBarWithNavController(this, navController,
        mAppBarConfiguration);
NavigationUI.setupWithNavController(navigationView, navController);

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.womennavi, menu);
    return true;
}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    int id = item.getItemId();
    if(id==R.id.act1)
    {

        Intent intent1 = new Intent(Womennavi.this,profile.class);
        startActivity(intent1);
        return true;
    }
}

```

```

        else if(id==R.id.act2)
        {
            Intent intent1 = new Intent(Womennavi.this,Contact.class);
            startActivity(intent1);
            return true;
        }
        else if(id==R.id.actiona)
        {
            Intent intent1 = new Intent(Womennavi.this,About.class);
            startActivity(intent1);
            return true;
        }

        else if(id==R.id.action2)
        {
            final Dialog dialog=new Dialog(Womennavi.this);
            dialog.requestWindowFeature(Window.FEATURE_ACTION_BAR);
            dialog.setCancelable(true);
            dialog setContentView(R.layout.activity_rating);
            dialog.show();

            return true;
        }

        return super.onOptionsItemSelected(item);

    }

    @Override
    public boolean onSupportNavigateUp() {
        NavController navController = Navigation.findNavController(this,
R.id.nav_host_fragment);
        return NavigationUI.navigateUp(navController, mAppBarConfiguration)
            || super.onSupportNavigateUp();
    }

    public void wom(View view) {

    }
}

```

### Rating:

```

package com.example.womensafety;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;

```

```
import android.widget.Button;
import android.widget.RatingBar;
import android.widget.Toast;

public class Rating extends AppCompatActivity {
    Button btn;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_rating);

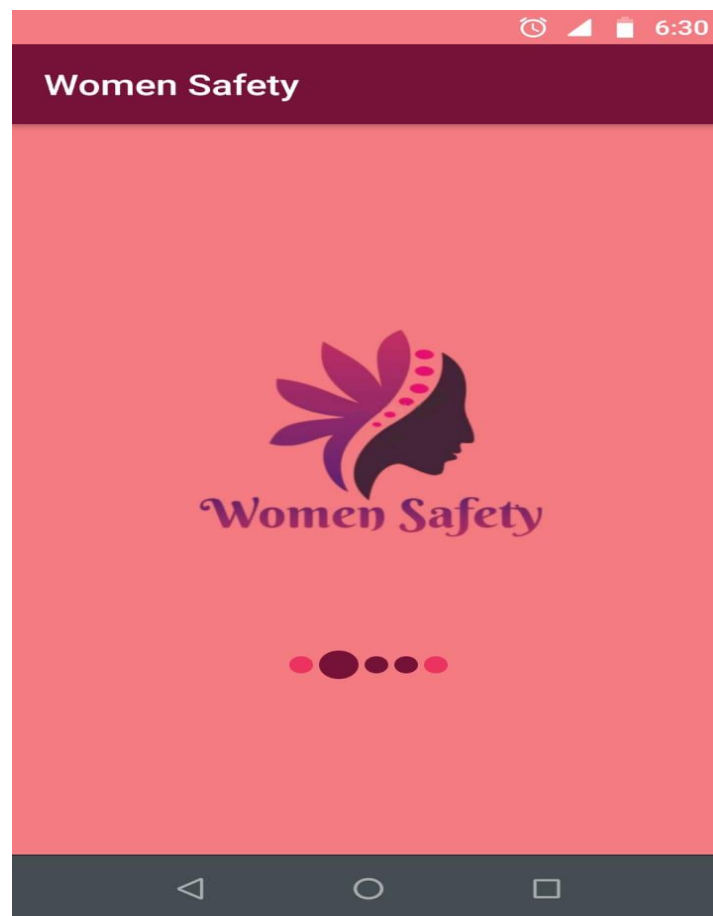
        Button getRating = findViewById(R.id.btn2);
        final RatingBar ratingBar = findViewById(R.id.rate);

        getRating.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String rating = "Rating is : " + ratingBar.getRating();
                Toast.makeText(Rating.this, rating, Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```

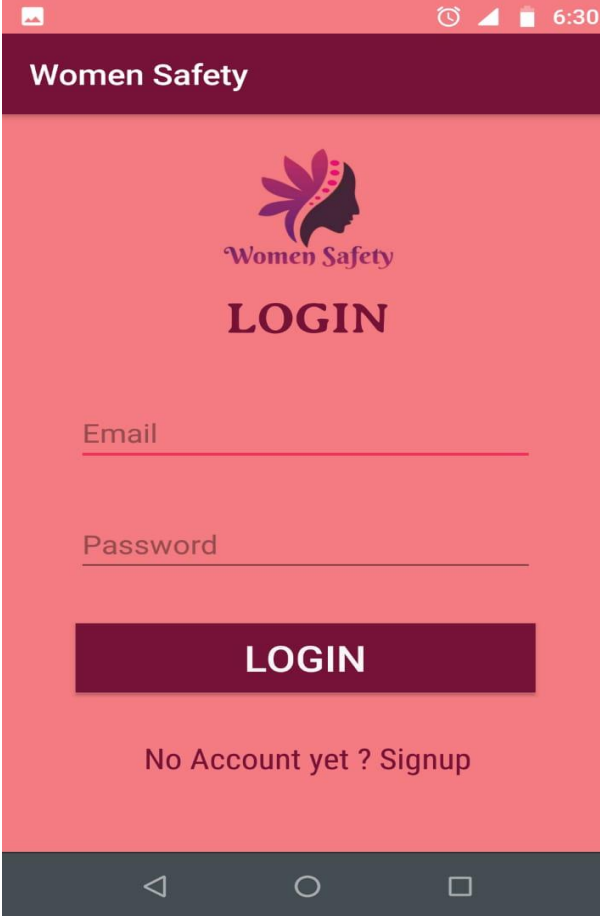
## (5)OUTPUT SNAPSHOT:

OUTPUT :

Loading page :



**LOGIN PAGE :**



The image shows a mobile application login screen. At the top, there is a dark red header bar with the text "Women Safety" in white. Below the header, the background is a light pink color. In the center, there is a logo consisting of a stylized purple flower with a woman's profile integrated into it, with the text "Women Safety" below it. Below the logo, the word "LOGIN" is written in large, bold, dark red capital letters. Underneath "LOGIN", there are two input fields: "Email" and "Password", each with a red underline. Below these fields is a dark red button with the word "LOGIN" in white capital letters. At the bottom of the screen, there is a link that says "No Account yet ? Signup" in dark red text. The very bottom of the screen shows the standard Android navigation bar with back, home, and recent apps icons.

Women Safety

Women Safety

**LOGIN**

Email

Password

**LOGIN**

No Account yet ? Signup

Sign up :

The image shows a mobile application interface for a registration process. At the top, there is a dark red header bar with the text "Women Safety" in white. Below this, the word "REGISTRATION" is displayed in a large, bold, dark red font. The form consists of four text input fields, each with a light red border and a dark red placeholder text: "Enter your name", "Date of Birth", "Address", and "city". Below these fields is a dark red button with the word "NEXT" in white capital letters. The entire form is set against a light red background. At the bottom of the screen, there is a dark grey navigation bar with three white icons: a back arrow, a circle, and a square. The top status bar of the phone is visible, showing icons for signal, battery, and the time 6:30.

Women Safety

**REGISTRATION**

Enter your name

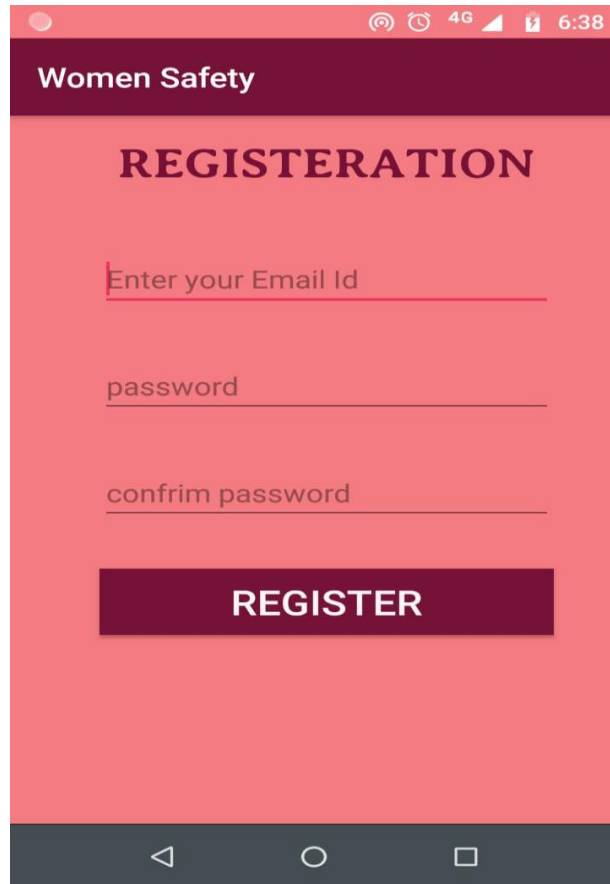
Date of Birth

Address

city

**NEXT**

Email & password :



The image shows a mobile application interface for a registration process. At the top, there is a status bar with icons for signal, battery, and time (6:38). Below this is a dark red header with the text "Women Safety". The main content area has a light red background and is titled "REGISTRATION" in bold, dark red capital letters. There are three input fields: "Enter your Email Id", "password", and "confrim password" (note the typo). Each field has a red underline. Below the input fields is a dark red button with the text "REGISTER" in white capital letters. At the bottom of the screen is a dark grey navigation bar with three icons: a triangle, a circle, and a square.

Women Safety

## REGISTRATION

Enter your Email Id

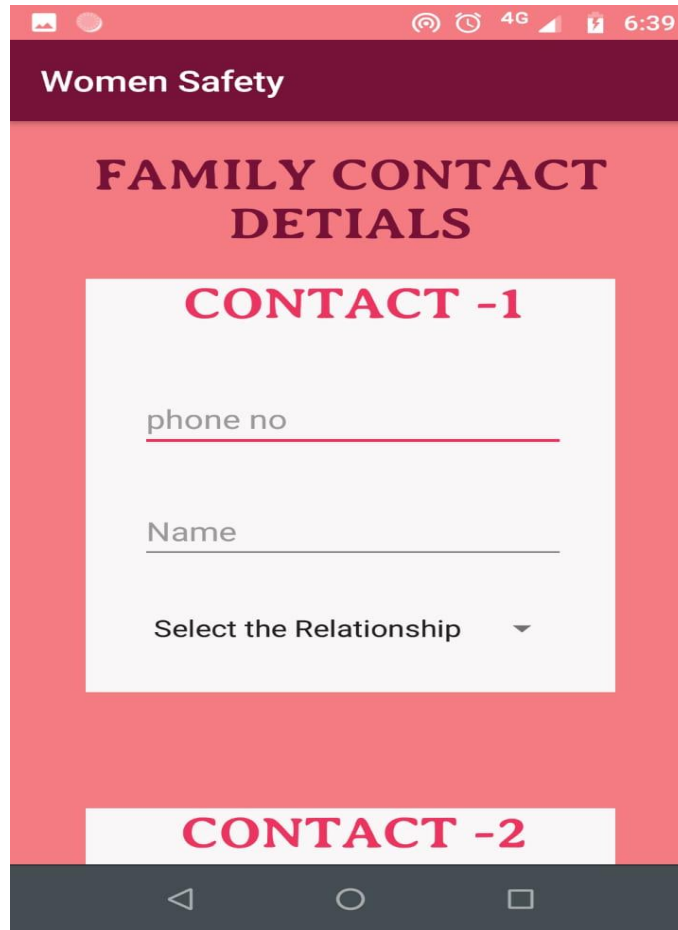
password

confrim password

REGISTER



Contact page :



The image shows a mobile application interface for 'Women Safety'. The app has a dark red header bar with the text 'Women Safety' in white. Below the header, the main content area has a light red background. At the top of this area, the text 'FAMILY CONTACT DETIALS' is displayed in a bold, dark red font. Below this, there is a white rectangular box containing the title 'CONTACT -1' in bold red font. Inside this box, there are three input fields: 'phone no' with a red underline, 'Name' with a grey underline, and 'Select the Relationship' with a dropdown arrow. Below the white box, the text 'CONTACT -2' is visible in bold red font. The bottom of the screen shows a dark grey navigation bar with three icons: a back arrow, a circle, and a square. The top status bar shows various icons including signal strength, 4G, and the time 6:39.

Women Safety

**FAMILY CONTACT  
DETIALS**

**CONTACT -1**

phone no

Name

Select the Relationship ▼

**CONTACT -2**

Women Safety

**FAMILY CONTACT  
DETIALS**

**CONTACT -2**

phone no \_\_\_\_\_

Name \_\_\_\_\_

Select the Relationship ▼

**CONTACT -3**

Women Safety

**FAMILY CONTACT  
DETIALS**

**CONTACT -3**

phone no \_\_\_\_\_

Name \_\_\_\_\_

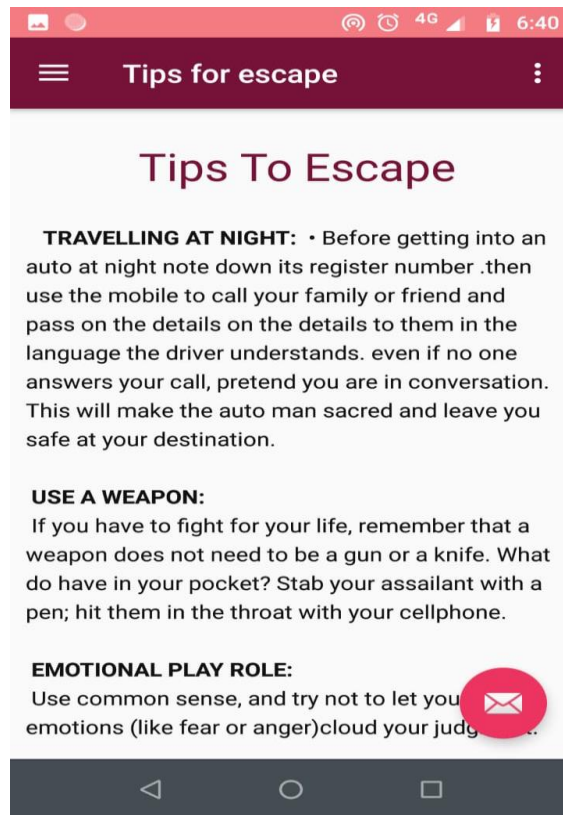
Select the Relationship ▼

**SUMBIT**

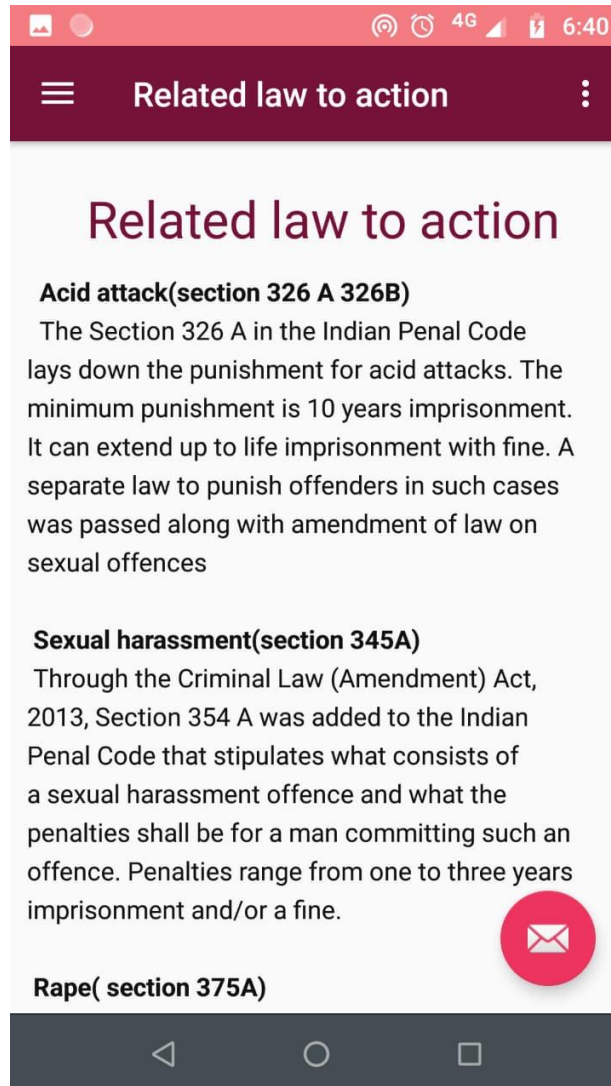
### Tips for safety :



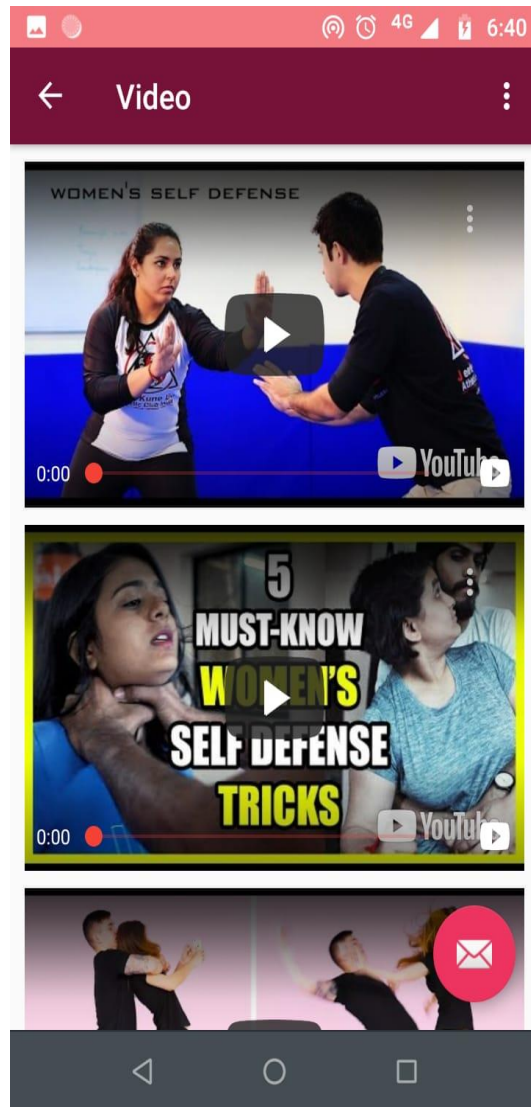
## Tips for escape :

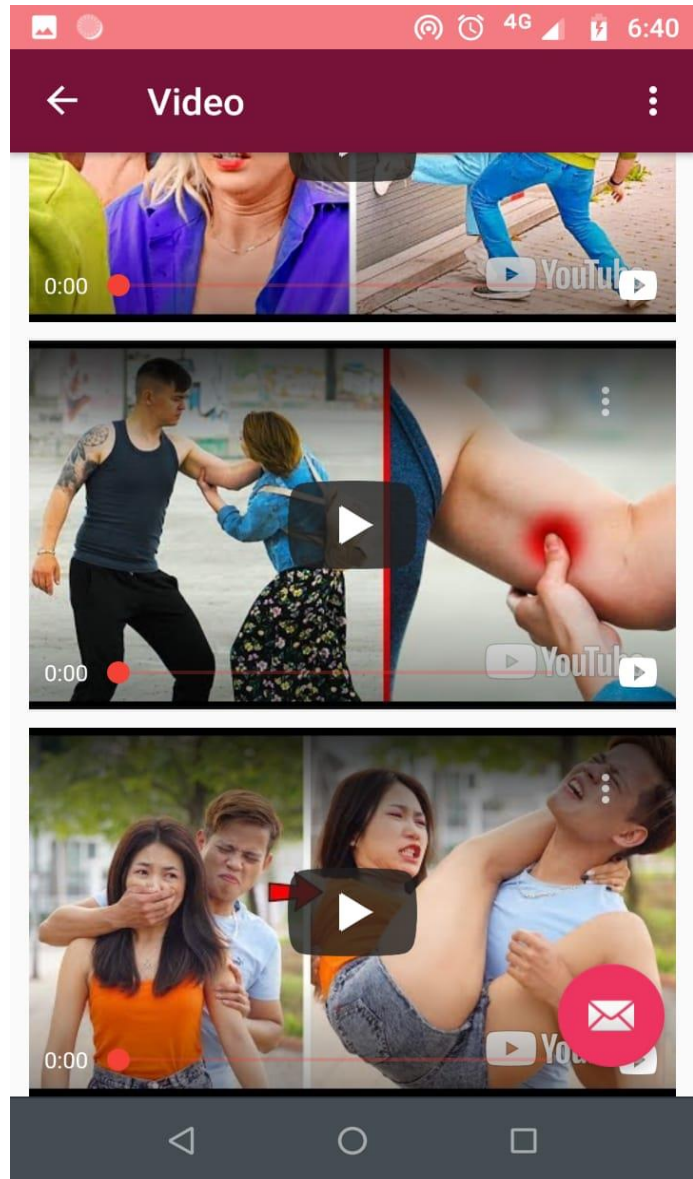


### Related law to take Action :

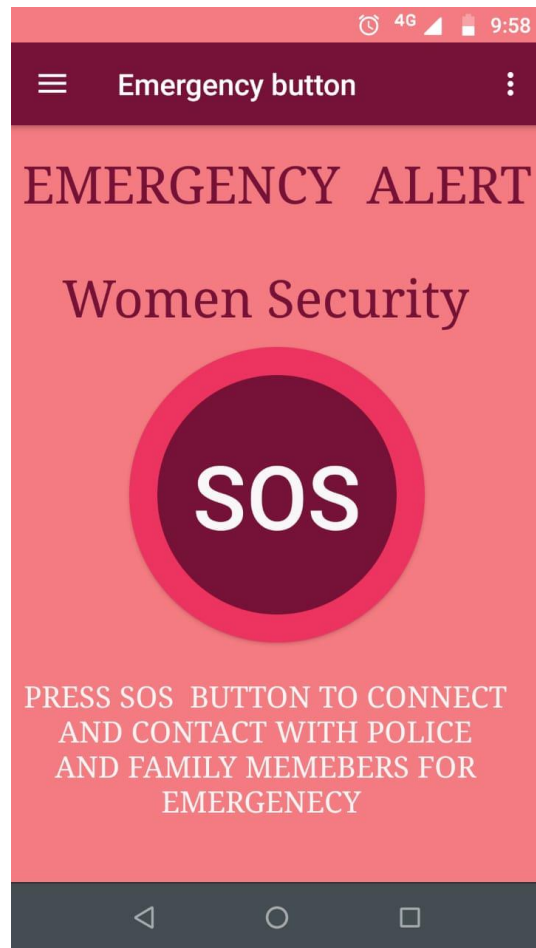


Video to denfense :





Emergency button :





Update Profile:

4G

9:59

Women Safety

UPDATE DETAILS

Name

Date of Birth

Address

City

UPDATE

Contact update profile:

The image shows a mobile application interface for 'Women Safety'. At the top, there is a dark red header bar with the text 'Women Safety' in white. Below this, the main title 'UPDATE CONTACT DETIALS' is displayed in a bold, dark red font. The form itself is a light gray rectangle with five input fields, each with a label and a horizontal line for text entry. The labels are 'Name', 'phone1', 'Name1', 'Relation', and 'Phone2'. The app is running on an Android device, as indicated by the status bar at the top showing '4G' and '9:59', and the navigation bar at the bottom with back, home, and recent apps icons.

Name
phone1
Name1
Relation
Phone2

4G

9:59

Women Safety

UPDATE CONTACT

Name2

Relation2

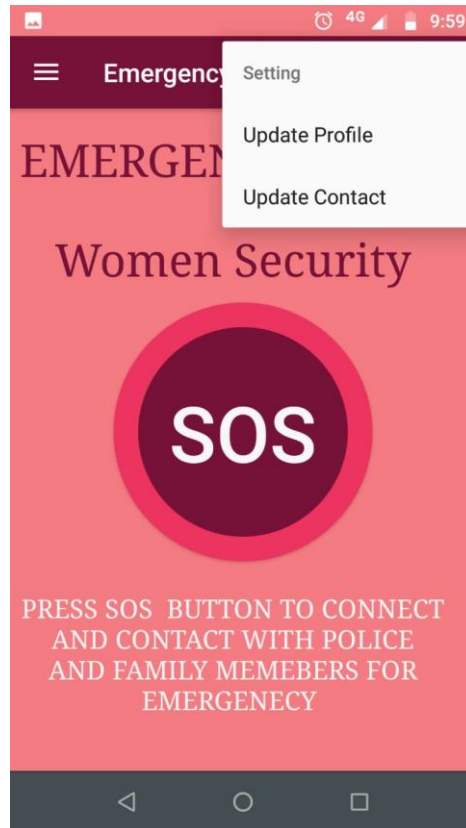
Phone3

Name3

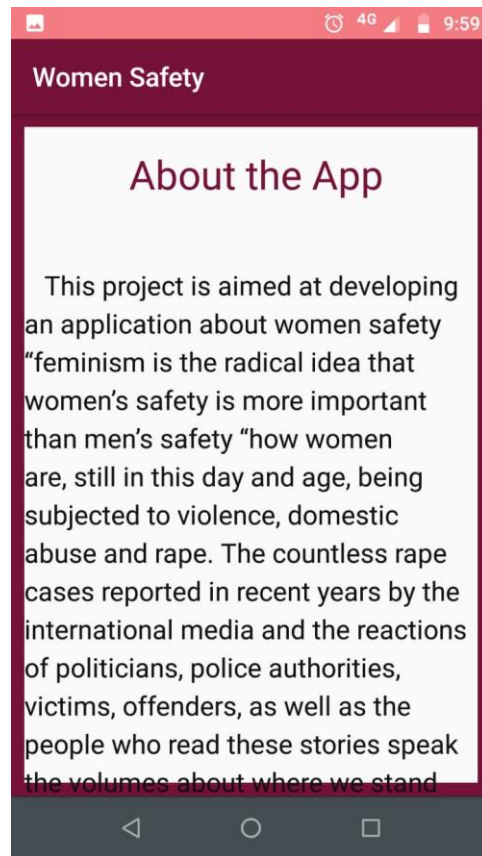
Relation3

SUMBIT

### Menu Button :Setting



## About the app



Rating the app:

