

XAVIER INSTITUTE OF ENGINEERING**Department of Information Technology****Class/ Sem/ A.Y: BEIT/ VII/ 2021-22****Course Name: AAD Lab**

Group No: 16

LO	Description	Bloom's Level
ITL704.1	Experiment on Integrated Development Environment for Android Application Development.	4 (Analyzing)
ITL704.2	Design and Implement User Interfaces and Layouts of Android App.	3 (Applying) 6 (Creating)
ITL704.3	Use Intents for activity and broadcasting data in Android App.	3 (Applying)
ITL704.4	Design and Implement Database Application and Content Providers.	3 (Applying) 6 (Creating)
ITL704.5	Experiment with Camera and Location Based service.	4 (Analyzing)
ITL704.6	Develop Android App with Security features.	6 (Creating)

EMERGENCY AMBULANCE BOOKING APPLICATION						
Rubrics For Laboratory Work						
Roll No.	Name of the Student	Problem Statement (15)	Creativity & Quality of Work done (15)	Punctuality & lab ethics (10)	Performance/ Presentation (10)	Total (50)
XIEIT1819 25	SHRINEETH KOTIAN					
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XIEIT1819 36	DIXIT PATEL					

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EMERGENCY AMBULANCE BOOKING APPLICATION

CHAPTER 1

INTRODUCTION

Heart attacks, road safety and accidents is a major cause of death around the world and India. Statistical data from Indian Council of Medical Research (ICMR) indicates that it takes about 400 minutes to reach a hospital for every second heart attack patient. This is almost 13 times more than the ideal window of 30 minutes which is the 'golden hour' according to government data. At some places it even takes upto 900 minutes for a heart attack patient. The main purpose of this app will be to reduce the time taken to reach a hospital by booking a ambulance which is available and is near your vicinity.

In these modern times where the technologies is evolving every day. In order to cope up with the need of proper ambulance services during medical emergency situation, an android mobile application is introduced which will aim successful booking of ambulance with required medical support both in the ambulance and from the hospital. Mobile application is a growing and in-demand technology because of its easier accessibility and feasibility to remind users about the upcoming updates with the help of push notification.

Medical emergencies arise at any time or anywhere. This technology can be used in order to provide healthcare services, which helps a patient to find a hospital nearest to his location and avails proper treatment on time and is deployed on a mobile device having an Android-based platform which is conveniently used and carried that works with the help of GPS system A doctor can log in and view the report of the patient. The user can register and in case of an emergency user will set the location and link for the nearby ambulances and raise the emergency request. The user will get the nearby location ambulance list for raising emergency request, the user needs to give basic details for registration in an emergency. The user can register and login into the application, where the user can view and update their profile and change password. On the dashboard, the users will get various options, where the user can check for Hospitals and Ambulance of their nearby location. User supposes to search ambulances from their nearby location . User need to upload all their medical history reports.

CHAPTER 2

REVIEW OF LITERATURE

[1] Jeevan Jyoti Mobile Application for Ambulance Service is an app made for the people to benefit the ambulance services faster and to increase the chances of survival. The authors have discussed about an android mobile application named Jeevan Jyoti which will help the needed people to book the ambulance with required medical support both in the ambulance and from the hospital. In this system IoT is also added which will help the doctor to monitor the condition and vital stats such as pulse rate and temperature of the patient continuously while the ambulance is enroute to the hospital. This system include modules like authentication, User location, Booking Request, Bio Stats and Feedback. So this mobile application is good idea for ambulance booking for both emergency and non-emergency type services.

[2] Health Care Management (HCM) system includes features like finding hospital in the city, information about the hospital, booking an appointment with the doctor, emergency calling, basic health tips and Pills remainder. This system will help the people who find it difficult to select hospital, booking an appointment with the doctor, this application help the people in emergency situation. This system includes modules such as register/log in, doctor search, location search and consult. This HCM system is responsible in making the people to take better healthcare decisions and health related issues.

[3] The paper “Efficient Emergency Services Using Mobile And Web Technologies” focuses at solving two very critical problems. The first one is that different emergency service departments are unable to coordinate with each other due to the unavoidable time and technological constraints. The role of smart phone technology in emergency management has greatly improved in tracking emergency zones, and also users can be tracked through enabled GPS. Through Internet connection, users have the ability to send and receive updates related to any disaster situation.

[4] Development of Android Based Application: MEDILINK proposes a conceptual design medical communication system between the patient, hospitals/clinics, doctors, nurses. This designed app aims to increase the chances of the patients getting most accurate online medical solution and will increase the chances of recovery by giving better and easier remedies for the patient by booking medical helps from the hospitals any time.

Sr No.	Year	Name Of Paper	Author	Content Summary
1	2020	Jeevan Jyoti Mobile Application for Ambulance Service	Shivam Kumar Kashyap, Sainandini Mishra	In this paper, the authors have discussed about an android mobile application named Jeevan Jyoti which will help the needed people to book the ambulance with required medical support both in the ambulance and from the hospital. In this system IoT is also added which will help the doctor to monitor the condition and vital stats such as pulse rate and temperature of the patient continuously while the ambulance is enroute to the hospital. This system include modules like authentication, User location, Booking Request, Bio Stats and Feedback. So this mobile application is good idea for ambulance booking for both emergency and non-emergency type services.
2	-	Smartphone Based Application for Health Catr Management Svs Tem	Dr. Sangeetha, Prathap H V, Shreyas S Koushik, Nithin.S.C, Nikhil.M.N	<p>This paper describes about Health Care Management (HCM) system. This system includes features like finding hospital in the city, information about the hospital, booking an appointment with the doctor, emergency calling, basic health tips and Pills remainder. This system will help the people who find it difficult to select</p> <p>hospital, booking an appointment with the doctor, this application help the people in emergency situation. This system includes modules such as register/log in, doctor search, location search and consult. This HCM system is responsible in making the people to take better healthcare decisions</p>

				and health related issues.
3	2018	Efficient Emergency Services Using Mobile And Web Technologies	Suvitha Wilson , Vanshaj Gupta	<p>The paper focuses at solving two very critical problems. The first one is that different emergency service departments are unable to coordinate with each other due to the unavoidable time and technological constraints.</p> <p>The role of smart phone technology in emergency management has greatly improved in tracking emergency zones, and also users can be tracked through enabled GPS. Through Internet connection, users have the ability to send and receive updates related to any disaster situation.</p>
4	2019	Development of Android Based Application: MEDILINK	Md. Al Mehedi Hasan, Shrabosty Deb	In this project the authors propose a conceptual design medical communication system between the patient, hospitals/clinics, doctors, nurses. This designed app aims to increase the chances of the patients getting most accurate online medical solution and will increase the chances of recovery by giving better and easier remedies for the patient by booking medical helps from the hospitals any time

CHAPTER 3

SYSTEM DESCRIPTION

- The Emergency Ambulance Booking Application will take input from the users about their details like Name, email address, Password and it is similar for both ambulance and patient user.
- When the user tries login for the first time, an Authentication mail will be sent to the registered email address, only to verify if they are the user themselves.
- If the user forgets their password, there is a forgot password option so that they can reset their password. And a reset link will be sent to the registered email address.
- In the Patients Module, the patient can upload his medical documents so that the patient's reports could be shared with the ambulance whenever there is a medical emergency.
- The Patient can book an ambulance that is available.
- The Patient can track the ambulance after booking it.
- In the Ambulance module, the drivers of the ambulance can make themselves Available or Not Available accordingly.
- And whenever there is an emergency notified, they can view the location of the patient and also the documents that they have uploaded.

CHAPTER 4

CODE

JAVA FILES:-

Startpage.java file:

```
package com.example.activitytester;

import androidx.appcompat.app.AppCompatActivity;

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

public class Startpage extends AppCompatActivity {

    Button patient, ambulance;

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

        patient=(Button) findViewById(R.id.patient);
        ambulance=(Button) findViewById(R.id.ambulance);

        patient.setOnClickListener(new View.OnClickListener() {
```

```

        @Override

        public void onClick(View view) {

            Intent intent=new Intent(Startpage.this,MainActivity.class);

            startActivity(intent);

        }

    });

    ambulance.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View view) {

            Intent intent=new Intent(Startpage.this,Ambulancelogin.class);

            startActivity(intent);

        }

    });

}

}

```

MainActivity.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

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

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.auth.FirebaseUser;

public class MainActivity extends AppCompatActivity {

    Button LogIn,SignUp,Forgot;
    EditText email,password;

    private FirebaseAuth mAuth;

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

        LogIn=(Button) findViewById(R.id.login);
        SignUp=(Button) findViewById(R.id.signup);
        email=(EditText)findViewById(R.id.email);
        password=(EditText)findViewById(R.id.password);
        Forgot=(Button) findViewById(R.id.forgot);

        mAuth= FirebaseAuth.getInstance();

        SignUp.setOnClickListener(new View.OnClickListener() {
            @Override

            public void onClick(View view) {
                Intent intent=new Intent(MainActivity.this, SignupUser.class);
                startActivity(intent);
            }
        });

        Forgot.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent=new Intent(MainActivity.this, Forgotpass.class);
                startActivity(intent);
            }
        });

        LogIn.setOnClickListener(new View.OnClickListener() {
            @Override

            public void onClick(View view)
            {
                String semail=email.getText().toString().trim();
                String spass=password.getText().toString().trim();
            }
        });
    }
}

```

```

        if(semail.isEmpty())
        {
            email.setError("Enter the email");
            email.requestFocus();
            return;
        }

        if(!Patterns.EMAIL_ADDRESS.matcher(semail).matches())
        {
            email.setError("Please Enter a valid email");
            email.requestFocus();
            return;
        }
        if(spasse.isEmtpy())
        {
            password.setError("Enter the password");
            password.requestFocus();
            return;
        }

        mAuth.signInWithEmailAndPassword(semail,spasse).addOnCompleteListener(new
        OnCompleteListener<AuthResult>() {
            @Override
            public void onComplete(@NonNull Task<AuthResult> task) {
                if(task.isSuccessful())
                {
                    FirebaseUser user= FirebaseAuth.getInstance().getCurrentUser();

                    if(user.isEmailVerified())
                    {
                        Intent intent=new Intent(MainActivity.this, Activity3.class);
                        startActivity(intent);
                    }
                    else{
                        user.sendEmailVerification();
                        Toast.makeText(MainActivity.this, "Check ur email for verification.",
                        Toast.LENGTH_SHORT).show();
                    }

                }
                else
                {
                    Toast.makeText(MainActivity.this, "Login not Successfull",
                    Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
});

```

```
}  
  
}
```

Activity3.java file:

```
package com.example.activitytester;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.auth.FirebaseUser;  
import com.google.firebase.auth.AuthResult;  
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.ValueEventListener;  
import com.google.firebase.storage.FirebaseStorage;  
import com.google.firebase.storage.StorageReference;  
  
public class Activity3 extends AppCompatActivity {  
  
    private FirebaseUser user;  
    private DatabaseReference reference;  
    private String userid;  
    private StorageReference storageReference;  
  
    Button logout,uploads,location,Emergency;  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_3);  
        logout=(Button) findViewById(R.id.logout);  
        uploads=(Button) findViewById(R.id.upload);  
        location=(Button) findViewById(R.id.maps);  
        Emergency=(Button)findViewById(R.id.emergency);
```

```
Emergency.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent=new Intent(Activity3.this,EmergencyCall.class);
        startActivity(intent);
    }
});
```

```
logout.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        FirebaseAuth.getInstance().signOut();
        Toast.makeText(Activity3.this, "Logout Successfull",
Toast.LENGTH_SHORT).show();
        Intent intent=new Intent(Activity3.this, MainActivity.class);
        startActivity(intent);
    }
});
```

```
uploads.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent=new Intent(Activity3.this,pic.class);
        startActivity(intent);
    }
});
```

```
user=FirebaseAuth.getInstance().getCurrentUser();
reference= FirebaseDatabase.getInstance().getReference("Users/patient");
userid=user.getId();
```

```
final TextView headi=(TextView) findViewById(R.id.headi);
final TextView nameview=(TextView)findViewById(R.id.nameview);
final TextView mailview=(TextView)findViewById(R.id.mailview);
```

```
reference.child(userid).addListenerForSingleValueEvent(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        User userprofile=snapshot.getValue(User.class);

        if(userprofile!=null)
        {
            String uname=userprofile.name;
            String uemail=userprofile.email;

            headi.setText("Welcome " +uname + "!");
            nameview.setText(uname);
```

```

        mailview.setText(umail);

    }
}

@Override
public void onCancelled(@NonNull DatabaseError error) {
    Toast.makeText(Activity3.this, "Something went wrong.",
        Toast.LENGTH_SHORT).show();
}
});

location.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent=new Intent(Activity3.this, MapWorking.class);
        startActivity(intent);
    }
});
}
}

```

Ambulanceafterlogin.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;

import android.Manifest;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.location.Location;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationServices;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;

```

```

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.ValueEventListener;
import com.google.firebase.storage.StorageReference;
import com.karumi.dexter.Dexter;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionDeniedResponse;
import com.karumi.dexter.listener.PermissionGrantedResponse;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.single.PermissionListener;

public class Ambulanceafterlogin extends AppCompatActivity {
    SupportMapFragment smf;
    FusedLocationProviderClient client;
    private FirebaseAuth user;
    private DatabaseReference reference,reference1;
    private String userid,em;
    double lati,longi;

    Button logout,avail,emer;

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

        logout=(Button) findViewById(R.id.logout);
        emer=(Button) findViewById(R.id.emer);

        avail=(Button) findViewById(R.id.availablity);
        avail.setTag(0);

        avail.setText("Available");

        smf = (SupportMapFragment)
getSupportFragmentManager().findFragmentById(R.id.map);
        client = LocationServices.getFusedLocationProviderClient(Ambulanceafterlogin.this);

        Dexter.withContext(getApplicationContext())
            .withPermission(Manifest.permission.ACCESS_FINE_LOCATION)
            .withListener(new PermissionListener() {
                @Override
                public void onPermissionGranted(PermissionGrantedResponse
permissionGrantedResponse) {

```

```

        getLocation();
    }

    @Override
    public void onPermissionDenied(PermissionDeniedResponse
permissionDeniedResponse) {

    }

    @Override
    public void onPermissionRationaleShouldBeShown(PermissionRequest
permissionRequest, PermissionToken permissionToken) {
        permissionToken.continuePermissionRequest();
    }
}).check();

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

        user=FirebaseAuth.getInstance().getCurrentUser();
        reference= FirebaseDatabase.getInstance().getReference("Available");
        userid=user.getUid();

//        reference1=FirebaseDatabase.getInstance().getReference("Users/Ambulance/");
//        reference1.child(userid).addListenerForSingleValueEvent(new
ValueEventListener() {
//            @Override
//            public void onDataChange(@NonNull DataSnapshot snapshot) {
//                User userprofile = snapshot.getValue(User.class);
//                if(userprofile!=null)
//                {
//                    em = userprofile.email;
//                }
//            }
//            @Override
//            public void onCancelled(@NonNull DatabaseError error) {
//            }
//        });

int status= (Integer) view.getTag();
if(status==0)
{

        ambuposiemail ambupoem=new ambuposiemail(em,lati,longi);
        reference.child(userid).setValue(ambupoem);

```

```

        avail.setText("Not Available");
        view.setTag(1);
    }
    else
    {
        reference.child(userid).removeValue();

        avail.setText("Available");
        view.setTag(0);
    }
}
});

```

```

logout.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        reference= FirebaseDatabase.getInstance().getReference("Available");
        reference.child(FirebaseAuth.getInstance().getCurrentUser().getUid());
        reference.removeValue();

        FirebaseAuth.getInstance().signOut();
        Toast.makeText(Ambulanceafterlogin.this, "Logout Successfull",
Toast.LENGTH_SHORT).show();
        Intent intent=new Intent(Ambulanceafterlogin.this, Ambulancelogin.class);
        startActivity(intent);
    }
});

```

```

emer.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent i=new Intent(Ambulanceafterlogin.this,EmergencyCheck.class);
        startActivity(i);
    }
});

```

```

user=FirebaseAuth.getInstance().getCurrentUser();
reference= FirebaseDatabase.getInstance().getReference("Users/Ambulance");
userid=user.getUid();

```

```

final TextView headi=(TextView) findViewById(R.id.headi);
final TextView nameview=(TextView)findViewById(R.id.nameview);
final TextView mailview=(TextView)findViewById(R.id.mailview);

```

```

reference.child(userid).addListenerForSingleValueEvent(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        User userprofile=snapshot.getValue(User.class);
    }
}

```



```

        if(userprofile!=null)
        {
            String uname=userprofile.name;
            String uemail=userprofile.email;

            headi.setText("Welcome " +uname +"!");
            nameview.setText(uname);
            mailview.setText(uemail);

        }
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        Toast.makeText(Ambulanceafterlogin.this, "Something went wrong.",
        Toast.LENGTH_SHORT).show();
    }
});
}

private void getLocation() {
    if (ActivityCompat.checkSelfPermission(this,
    Manifest.permission.ACCESS_FINE_LOCATION) !=
    PackageManager.PERMISSION_GRANTED && ActivityCompat.checkSelfPermission(this,
    Manifest.permission.ACCESS_COARSE_LOCATION) !=
    PackageManager.PERMISSION_GRANTED) {
        // TODO: Consider calling
        //    ActivityCompat#requestPermissions
        // here to request the missing permissions, and then overriding
        //    public void onRequestPermissionsResult(int requestCode, String[] permissions,
        //                                           int[] grantResults)
        // to handle the case where the user grants the permission. See the documentation
        // for ActivityCompat#requestPermissions for more details.
        return;
    }
    Task<Location> task = client.getLastLocation();
    task.addListener(new OnSuccessListener<Location>() {
        @Override
        public void onSuccess(Location location) {

            userid=user.getUid();

            reference1=FirebaseDatabase.getInstance().getReference("Users/Ambulance/");
            reference1.child(userid).addListenerForSingleValueEvent(new
            ValueEventListener() {
                @Override
                public void onDataChange(@NonNull DataSnapshot snapshot) {
                    User userprofile = snapshot.getValue(User.class);
                    if(userprofile!=null)

```

```

        {
            em = userprofile.email;
        }
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {

    }

});

        ambuposiemail ploc=new
ambuposiemail(em,location.getLatitude(),location.getLongitude());
        lati=ploc.lati;
        longi= ploc.longi;

    }
    });
}
}

```

Ambulancelogin.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

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

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.auth.FirebaseUser;

public class Ambulancelogin extends AppCompatActivity {

    Button LogIn, SignUp, Forgot;
    EditText email, password;

    private FirebaseAuth mAuth;

```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_ambulancelogin);
    LogIn = (Button) findViewById(R.id.login);
    SignUp = (Button) findViewById(R.id.signup);
    email = (EditText) findViewById(R.id.email);
    password = (EditText) findViewById(R.id.password);
    Forgot = (Button) findViewById(R.id.forgot);

    mAuth = FirebaseAuth.getInstance();

    SignUp.setOnClickListener(new View.OnClickListener() {
        @Override

        public void onClick(View view) {
            Intent intent = new Intent(Ambulancelogin.this, AmbulanceSign.class);
            startActivity(intent);
        }
    });

    Forgot.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent intent = new Intent(Ambulancelogin.this, Forgotpass.class);
            startActivity(intent);
        }
    });

    LogIn.setOnClickListener(new View.OnClickListener() {
        @Override

        public void onClick(View view) {
            String semail = email.getText().toString().trim();
            String spass = password.getText().toString().trim();

            if (semail.isEmpty()) {
                email.setError("Enter the email");
                email.requestFocus();
                return;
            }

            if (!Patterns.EMAIL_ADDRESS.matcher(semail).matches()) {
                email.setError("Please Enter a valid email");
                email.requestFocus();
                return;
            }

            if (spass.isEmpty()) {
                password.setError("Enter the password");
                password.requestFocus();
            }
        }
    });
}

```



```

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.FirebaseDatabase;

public class AmbulanceSign extends AppCompatActivity {

    private FirebaseAuth mAuth;

    EditText sname,spass,semail;
    Button submit;

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

        mAuth = FirebaseAuth.getInstance();

        sname=(EditText) findViewById(R.id.sname);
        spass=(EditText) findViewById(R.id.spass);
        semail=(EditText) findViewById(R.id.semail);
        submit=(Button) findViewById(R.id.submit);

        submit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String name=sname.getText().toString();
                String fpass=spass.getText().toString();
                String femail=semail.getText().toString();

                if(name.isEmpty())
                {
                    sname.setError("Enter the Name");
                    sname.requestFocus();
                    return;
                }
                if(femail.isEmpty())
                {
                    semail.setError("Enter the email");
                    semail.requestFocus();
                    return;
                }

                if(!Patterns.EMAIL_ADDRESS.matcher(femail).matches())
                {
                    semail.setError("Please Enter a valid email");
                    semail.requestFocus();
                    return;
                }
            }
        });
    }
}

```

```

    }
    if(fpass.isEmpty())
    {
        spass.setError("Enter the password");
        spass.requestFocus();
        return;
    }

    mAuth.createUserWithEmailAndPassword(femail,fpass)
        .addOnCompleteListener(new OnCompleteListener<AuthResult>() {
            @Override
            public void onComplete(@NonNull Task<AuthResult> task) {
                if(task.isSuccessful())
                {
                    User user= new User(name,femail);
                    FirebaseDatabase.getInstance().getReference("Users/Ambulance/")
                        .child(FirebaseAuth.getInstance().getCurrentUser().getUid())
                        .setValue(user).addOnCompleteListener(new
OnCompleteListener<Void>() {
                            @Override
                            public void onComplete(@NonNull Task<Void> task) {
                                if(task.isSuccessful())
                                {
                                    Toast.makeText(AmbulanceSign.this, "User Registered.",
Toast.LENGTH_SHORT).show();

                                }
                                else
                                {
                                    Toast.makeText(AmbulanceSign.this, "Failed to
Register(Step1)", Toast.LENGTH_SHORT).show();
                                }
                            }

                        });
                }
            else
            {
                Toast.makeText(AmbulanceSign.this, "Failed to register(step 2)",
Toast.LENGTH_SHORT).show();
            }
        }
    });
}
});

```

```
}  
}
```

Ambuposiemail.java file:

```
package com.example.activitytester;
```

```
public class ambuposiemail {  
    public double lati,longi;  
    String em;
```

```
    public ambuposiemail()  
    {  
  
    }
```

```
    public ambuposiemail(String em,double lati,double longi){  
        this.lati=lati;  
        this.longi=longi;  
        this.em=em;  
  
    }
```

```
    public double getLati() {  
        return lati;  
    }
```

```
    public void setLati(double lati) {  
        this.lati = lati;  
    }
```

```
    public double getLongi() {  
        return longi;  
    }
```

```
    public void setLongi(double longi) {  
        this.longi = longi;  
    }
```

```
    public String getEm() {  
        return em;  
    }
```

```
    public void setEm(String em) {  
        this.em = em;  
    }  
}
```

EmergencyAdapter.java file:

```
package com.example.activitytester;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;

import android.widget.TextView;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.squareup.picasso.Picasso;

import java.util.List;

public class EmergencyAdapter extends
RecyclerView.Adapter<EmergencyAdapter.EmergencyHolder> {

    @NonNull

    private Context mContext;
    private List<ambuposiemail> muploads;
    private OnItemClickListener mListener;
    double latisend,longisend;

    public EmergencyAdapter(Context context,List<ambuposiemail> uploads)
    {
        mContext=context;
        muploads=uploads;
    }
    @Override
    public EmergencyHolder onCreateViewHolder(@NonNull ViewGroup parent, int
viewType) {
        View v= LayoutInflater.from(mContext).inflate(R.layout.emer,parent,false);
        return new EmergencyHolder(v);
    }

    @Override
    public void onBindViewHolder(@NonNull EmergencyHolder holder, int position) {
        ambuposiemail ploca= muploads.get(position);
        String la=String.valueOf(ploca.getLati());
        holder.lati.setText("Latitude:"+la);
        String lo=String.valueOf(ploca.getLongi());
```



```
holder.longi.setText("Longitude:"+lo);
holder.em.setText(ploca.em);
latisend=ploca.getLati();
longisend=ploca.getLongi();
```

```
}
```

```
@Override
public int getItemCount() {
    return muploads.size();
}
```

```
public class EmergencyHolder extends RecyclerView.ViewHolder implements
View.OnClickListener{
```

```
    public TextView lati;
    public TextView longi;
    public TextView em;
```

```
    public EmergencyHolder(@NonNull View itemView) {
        super(itemView);
```

```
        lati=(TextView)itemView.findViewById(R.id.Ambulancelati);
        longi=(TextView)itemView.findViewById(R.id.Ambulancelongi);
        em=(TextView) itemView.findViewById(R.id.AmbulanceEmail);
```

```
        itemView.setOnClickListener(this);
```

```
    }
```

```
@Override
public void onClick(View view) {
    if(mListener!=null)
    {
        int position=getAdapterPosition();
        if(position!=RecyclerView.NO_POSITION)
        {
            mListener.onItemClick(position,latisend,longisend);
        }
    }
}
}
```

```
public interface OnItemClickListener {
    void onItemClick(int position,double lati,double longi);
}
```

```

    }
    public void setOnItemClickListener(OnItemClickListener listener)
    {
        mListener=listener;
    }
}

```

EmergencyCall.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

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

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.ValueEventListener;

import java.util.ArrayList;
import java.util.List;

public class EmergencyCall extends AppCompatActivity implements
EmergencyAdapter.OnItemClickListener {
    private RecyclerView mRecyclerView;
    private DatabaseReference mDatabaseRef;

    private List<ambuposiemail> mUploads;

    public String s;

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

        mRecyclerView=(RecyclerView) findViewById(R.id.emergencyrecycler);

```

```

mRecycler.setHasFixedSize(true);

mRecycler.setLayoutManager(new LinearLayoutManager(EmergencyCall.this));

mUploads=new ArrayList<>();

mdataseref= FirebaseDatabase.getInstance().getReference("Available/");
mdataseref.addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        for(DataSnapshot postSnap:snapshot.getChildren())
        {
            ambuposiemail up=postSnap.getValue(ambuposiemail.class);
            s=postSnap.getKey();
            mUploads.add(up);
        }
        EmergencyAdapter mAdapter = new EmergencyAdapter(EmergencyCall.this,
mUploads);
        mRecycler.setAdapter(mAdapter);
        mAdapter.setOnItemClickListener(EmergencyCall.this);

    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        Toast.makeText(EmergencyCall.this, "Error", Toast.LENGTH_SHORT).show();
    }
});

}

@Override
public void onItemClick(int position,double lati,double longi) {
    //Toast.makeText(EmergencyCall.this, "Hello"+lati, Toast.LENGTH_SHORT).show();
    Intent i=new Intent(EmergencyCall.this,MapWorking1.class);
    i.putExtra("position",position);
    i.putExtra("latitude",lati);
    i.putExtra("longitude",longi);
    i.putExtra("doctoruid",s);
    startActivity(i);

}
}

```

EmergencyCheck.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;

```

```

import androidx.appcompat.app.AppCompatActivity;

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

import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
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.ValueEventListener;

public class EmergencyCheck extends AppCompatActivity {

    TextView name,email,welcome;
    Button maplo,file,del;

    DatabaseReference reference,reference1,reference3;
    FirebaseUser user;

    public String userid,uemail,uuid,uname,dname;

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

        name = (TextView) findViewById(R.id.nameview);
        email = (TextView) findViewById(R.id.mailview);
        welcome = (TextView) findViewById(R.id.headi);

        maplo = (Button) findViewById(R.id.location);
        file = (Button) findViewById(R.id.files);
        del = (Button) findViewById(R.id.del);

        user = FirebaseAuth.getInstance().getCurrentUser();
        reference = FirebaseDatabase.getInstance().getReference("Available");
        reference1 = FirebaseDatabase.getInstance().getReference("Users/patient/");
        reference3 = FirebaseDatabase.getInstance().getReference("Users/Ambulance/");

        userid = user.getId();

        reference3.child(userid).addListenerForSingleValueEvent(new ValueEventListener() {

```

```

@Override
public void onDataChange(@NonNull DataSnapshot snapshot) {
    User userprofile = snapshot.getValue(User.class);

    if (userprofile != null) {

        dname = userprofile.name;
        welcome.setText("Welcome,"+dname);
    }
}

@Override
public void onCancelled(@NonNull DatabaseError error) {
    Toast.makeText(EmergencyCheck.this, "Something went wrong.",
Toast.LENGTH_SHORT).show();
}
});

maplo.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
    Intent i=new Intent(EmergencyCheck.this,MapWorking2.class);
    startActivity(i);
}
});

file.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
    Intent i=new Intent(EmergencyCheck.this,Fileshowambu.class);
    startActivity(i);
}
});

}
}

```

Fileshowambu.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.os.Bundle;

```

```

import android.widget.ImageView;
import android.widget.Toast;

import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
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.ValueEventListener;

import java.util.ArrayList;
import java.util.List;

public class Fileshowambu extends AppCompatActivity {
    private RecyclerView recyclerView;
    private ImageAdapter mAdapter;

    private DatabaseReference databaseReference,databaseReference1;
    private FirebaseUser user;
    private List<Upload> muploads;
    String n;

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

        recyclerView=findViewById(R.id.recycle);
        recyclerView.setHasFixedSize(true);
        recyclerView.setLayoutManager(new LinearLayoutManager(this));

        muploads=new ArrayList<>();
        databaseReference= FirebaseDatabase.getInstance().getReference("Users/uploads/");
        user=FirebaseAuth.getInstance().getCurrentUser();
        n=user.getUid();

        databaseReference1=FirebaseDatabase.getInstance().getReference("Available/"+n);

        databaseReference1.child("3qz1y9g8A1aWwmUhAqUVWAu84F2").addValueEventListener(
            new ValueEventListener() {
                @Override
                public void onDataChange(@NonNull DataSnapshot snapshot) {
                    for(DataSnapshot postSnapshot:snapshot.getChildren())
                    {
                        Upload upload=postSnapshot.getValue(Upload.class);
                        muploads.add(upload);
                        mAdapter=new ImageAdapter(Fileshowambu.this,muploads);

                        recyclerView.setAdapter(mAdapter);
                    }
                }
            }
        );
    }
}

```

```

        }
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        Toast.makeText(Fileshowambu.this, error.getMessage(),
        Toast.LENGTH_SHORT).show();
    }
});
}
}

```

Forgotpass.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.util.Patterns;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;

public class Forgotpass extends AppCompatActivity {

    private EditText emailf;
    private Button passf;

    FirebaseAuth auth;

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

        emailf=(EditText) findViewById(R.id.emailf);
        passf=(Button) findViewById(R.id.forgotp);

        auth=FirebaseAuth.getInstance();

        passf.setOnClickListener(new View.OnClickListener() {
            @Override

```

```

public void onClick(View view) {
    String email=emailf.getText().toString().trim();

    if(email.isEmpty())
    {
        emailf.setError("Email is required.");
        emailf.requestFocus();
        return;
    }

    if(!Patterns.EMAIL_ADDRESS.matcher(email).matches())
    {
        emailf.setError("enter valid email.");
        emailf.requestFocus();
        return;
    }

    auth.sendPasswordResetEmail(email).addOnCompleteListener(new
    OnCompleteListener<Void>() {
        @Override
        public void onComplete(@NonNull Task<Void> task) {
            if(task.isSuccessful())
            {
                Toast.makeText(Forgotpass.this, "Password reset link sent to your email.",
                Toast.LENGTH_SHORT).show();
            }

            else
            {
                Toast.makeText(Forgotpass.this, "Error occured,try later.",
                Toast.LENGTH_SHORT).show();
            }
        }
    });
}
}
}

```

ImageAdapter.java file:

```

package com.example.activitytester;

import android.content.Context;
import android.net.Uri;
import android.view.LayoutInflater;

```



```

import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.bumptech.glide.Glide;
import com.squareup.picasso.Picasso;

import java.util.List;

public class ImageAdapter extends
RecyclerView.Adapter<ImageAdapter.ImageViewHolder> {

    @NonNull

    private Context mContext;
    private List<Upload> muploads;

    public ImageAdapter(Context context,List<Upload> uploads)
    {
        mContext=context;
        muploads=uploads;
    }
    @Override
    public ImageViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int
viewType) {
        View v= LayoutInflater.from(mContext).inflate(R.layout.imagecard,parent,false);
        return new ImageViewHolder(v);
    }

    @Override
    public void onBindViewHolder(@NonNull ImageViewHolder holder, int position) {
        Upload uploadcurrent= muploads.get(position);
        holder.text.setText(uploadcurrent.getmName());
        Picasso.with(mContext)
            .load(uploadcurrent.getmUrl())
            .fit()
            .centerCrop()
            .into(holder.image);

    }

    @Override
    public int getItemCount() {

```

```

        return muploads.size();
    }

    public class ImageViewHolder extends RecyclerView.ViewHolder{

        public TextView text;
        public ImageView image;

        public ImageViewHolder(@NonNull View itemView) {
            super(itemView);

            text=(TextView)itemView.findViewById(R.id.imagetext);
            image=(ImageView) itemView.findViewById(R.id.imageset);

        }
    }
}

```

Imageview.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.os.Bundle;
import android.widget.ImageView;
import android.widget.Toast;

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.ValueEventListener;

import java.util.ArrayList;
import java.util.List;

public class Imageview extends AppCompatActivity {
    private RecyclerView recyclerView;
    private ImageAdapter mAdapter;

    private DatabaseReference databaseReference;
    private List<Upload> muploads;

    @Override

```

```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_imageview);

    recyclerView=findViewById(R.id.recycle);
    recyclerView.setHasFixedSize(true);
    recyclerView.setLayoutManager(new LinearLayoutManager(this));

    muploads=new ArrayList<>();
    databaseReference= FirebaseDatabase.getInstance().getReference("Users/uploads/");

    databaseReference.child(FirebaseAuth.getInstance().getCurrentUser().getUid()).addValueEventListener(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            for(DataSnapshot postSnapshot:snapshot.getChildren())
            {
                Upload upload=postSnapshot.getValue(Upload.class);
                muploads.add(upload);
                mAdapter=new ImageAdapter(Imageview.this,muploads);

                recyclerView.setAdapter(mAdapter);
            }
        }

        @Override
        public void onCancelled(@NonNull DatabaseError error) {
            Toast.makeText(Imageview.this, error.getMessage(),
            Toast.LENGTH_SHORT).show();
        }
    });
}
}

```

MapsActivity.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.fragment.app.FragmentActivity;

import android.Manifest;
import android.content.Context;
import android.content.pm.PackageManager;
import android.location.Geocoder;
import android.location.Location;

```

```

import android.location.LocationListener;
import android.location.LocationManager;
import android.os.Bundle;

import com.google.android.gms.common.api.GoogleApiClient;
import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationServices;
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;
import com.example.activitytester.databinding.ActivityMapsBinding;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.karumi.dexter.Dexter;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionDeniedResponse;
import com.karumi.dexter.listener.PermissionGrantedResponse;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.single.PermissionListener;

import java.util.Locale;

public class MapsActivity extends FragmentActivity implements OnMapReadyCallback {

    GoogleMap mMap;
    ActivityMapsBinding binding;
    LocationManager locationManager;
    LocationListener locationListener;

    LatLng userLatLng;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        binding = ActivityMapsBinding.inflate(getLayoutInflater());
        setContentView(binding.getRoot());

        // Obtain the SupportMapFragment and get notified when the map is ready to be used.
        SupportMapFragment mapFragment = (SupportMapFragment)
getSupportFragmentManager()
        .findFragmentById(R.id.map);
        mapFragment.getMapAsync(this);

```

```

    }

    @Override
    public void onMapReady(GoogleMap googleMap) {
        mMap = googleMap;

        //Add a marker in Sydney and move the camera
        // LatLng sydney = new LatLng(-34, 151);
        // mMap.addMarker(new MarkerOptions().position(sydney).title("Marker in Sydney"));
        // mMap.moveCamera(CameraUpdateFactory.newLatLng(sydney));
        locationManager = (LocationManager)
this.getSystemService(Context.LOCATION_SERVICE);
        locationManager = new LocationListener() {
            @Override
            public void onLocationChanged(@NonNull Location location) {
                userLatLng = new LatLng(location.getLatitude(), location.getLongitude());
                mMap.addMarker(new MarkerOptions().position(userLatLng).title("Marker in
here"));
                mMap.moveCamera(CameraUpdateFactory.newLatLng(userLatLng));
            }

            @Override
            public void onStatusChanged(String provider, int status, Bundle extras) {

            }

            @Override
            public void onProviderDisabled(@NonNull String provider) {

            }

            @Override
            public void onProviderEnabled(@NonNull String provider) {

            }
        };

        askLocation();

    }

    private void askLocation() {

Dexter.withActivity(this).withPermission(Manifest.permission.ACCESS_FINE_LOCATION
).withListener(new PermissionListener() {
    @Override
    public void onPermissionGranted(PermissionGrantedResponse response) {

        if (ActivityCompat.checkSelfPermission(MapsActivity.this,

```

```

Manifest.permission.ACCESS_FINE_LOCATION) !=
PackageManager.PERMISSION_GRANTED &&
ActivityCompat.checkSelfPermission(MapsActivity.this,
Manifest.permission.ACCESS_COARSE_LOCATION) !=
PackageManager.PERMISSION_GRANTED) {
    // TODO: Consider calling
    //    ActivityCompat#requestPermissions
    // here to request the missing permissions, and then overriding
    //    public void onRequestPermissionsResult(int requestCode, String[]
permissions,
    //                                     int[] grantResults)
    // to handle the case where the user grants the permission. See the documentation
    // for ActivityCompat#requestPermissions for more details.
    return;
}
locationManager.requestLocationUpdates(LocationManager.GPS_PROVIDER, 0,
0, locationManager);
Location
lastLocation=locationManager.getLastKnownLocation(LocationManager.GPS_PROVIDER);
userLatLng = new LatLng(lastLocation.getLatitude(), lastLocation.getLongitude());
mMap.addMarker(new MarkerOptions().position(userLatLng).title("Marker in
here"));
mMap.moveCamera(CameraUpdateFactory.newLatLng(userLatLng));

}

@Override
public void onPermissionDenied(PermissionDeniedResponse response) {

}

@Override
public void onPermissionRationaleShouldBeShown(PermissionRequest permission,
PermissionToken token) {
    token.continuePermissionRequest();
}
}).check();
}

}

```

MapWorking.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;

```

```

import android.Manifest;
import android.content.pm.PackageManager;
import android.location.Geocoder;
import android.location.Location;
import android.os.Bundle;

import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationServices;
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.karumi.dexter.Dexter;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionDeniedResponse;
import com.karumi.dexter.listener.PermissionGrantedResponse;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.single.PermissionListener;

public class MapWorking extends AppCompatActivity {

    SupportMapFragment smf;
    FusedLocationProviderClient client;
    private FirebaseUser user;
    private DatabaseReference reference,reference1;

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

        smf = (SupportMapFragment)
        getSupportFragmentManager().findFragmentById(R.id.map);
        client = LocationServices.getFusedLocationProviderClient(MapWorking.this);

        Dexter.withContext(getApplicationContext())
            .withPermission(Manifest.permission.ACCESS_FINE_LOCATION)
            .withListener(new PermissionListener() {
                @Override
                public void onPermissionGranted(PermissionGrantedResponse

```

```

permissionGrantedResponse) {
    getLocation();
}

@Override
public void onPermissionDenied(PermissionDeniedResponse
permissionDeniedResponse) {

}

@Override
public void onPermissionRationaleShouldBeShown(PermissionRequest
permissionRequest, PermissionToken permissionToken) {
    permissionToken.continuePermissionRequest();
}
}).check();
}

private void getLocation() {

    if (ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_FINE_LOCATION) !=
PackageManager.PERMISSION_GRANTED && ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_COARSE_LOCATION) !=
PackageManager.PERMISSION_GRANTED) {
        // TODO: Consider calling
        //   ActivityCompat#requestPermissions
        // here to request the missing permissions, and then overriding
        //   public void onRequestPermissionsResult(int requestCode, String[] permissions,
        //                                           int[] grantResults)
        // to handle the case where the user grants the permission. See the documentation
        // for ActivityCompat#requestPermissions for more details.
        return;
    }
    Task<Location> task = client.getLastLocation();
    task.addListener(new OnSuccessListener<Location>() {
        @Override
        public void onSuccess(Location location) {
            smf.getMapAsync(new OnMapReadyCallback() {
                @Override
                public void onMapReady(@NonNull GoogleMap googleMap) {
                    user=FirebaseAuth.getInstance().getCurrentUser();

                    patientlocation ploca=new
patientlocation(location.getLatitude(),location.getLongitude());

```



```

        LatLng latLng=new LatLng(location.getLatitude(),location.getLongitude());
        MarkerOptions markerOptions=new
MarkerOptions().position(latLng).title("Your Location");
        googleMap.addMarker(markerOptions);

googleMap.animateCamera(CameraUpdateFactory.newLatLngZoom(latLng,10));

        reference= FirebaseDatabase.getInstance().getReference("Location/");
        reference.child(user.getUid()).setValue(ploca);

    }
    });
}
});
}
}
}

```

MapWorking1.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;

import android.Manifest;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.location.Geocoder;
import android.location.Location;
import android.os.Bundle;
import android.widget.Toast;

import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationServices;
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

```

```

import com.karumi.dexter.Dexter;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionDeniedResponse;
import com.karumi.dexter.listener.PermissionGrantedResponse;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.single.PermissionListener;

public class MapWorking1 extends AppCompatActivity {

    SupportMapFragment smf;
    FusedLocationProviderClient client;
    DatabaseReference databaseReference,databaseReference1;
    FirebaseUser user;
    String userid;

    double la,lo,po;
    String ui;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_map_working1);

        Intent i=getIntent();
        la=i.getDoubleExtra("latitude",0);
        lo=i.getDoubleExtra("longitude",0);
        po=i.getIntExtra("position",0);
        ui=i.getStringExtra("doctoruid");

        databaseReference=FirebaseDatabase.getInstance().getReference("Available/");
        user=FirebaseAuth.getInstance().getCurrentUser();

        userid=user.getUid();
        databaseReference.child(ui).child("em").setValue(userid);

        smf = (SupportMapFragment)
getSupportFragmentManager().findFragmentById(R.id.map1);
        client = LocationServices.getFusedLocationProviderClient(MapWorking1.this);

        Dexter.withContext(getApplicationContext())
            .withPermission(Manifest.permission.ACCESS_FINE_LOCATION)
            .withListener(new PermissionListener() {
                @Override
                public void onPermissionGranted(PermissionGrantedResponse
permissionGrantedResponse) {
                    getlocation();
                }
            })

```

```

        @Override
        public void onPermissionDenied(PermissionDeniedResponse
permissionDeniedResponse) {

            }

        @Override
        public void onPermissionRationaleShouldBeShown(PermissionRequest
permissionRequest, PermissionToken permissionToken) {
            permissionToken.continuePermissionRequest();
        }
    }).check();
}

private void getLocation() {

    if (ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_FINE_LOCATION) !=
PackageManager.PERMISSION_GRANTED && ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_COARSE_LOCATION) !=
PackageManager.PERMISSION_GRANTED) {
        // TODO: Consider calling
        //   ActivityCompat#requestPermissions
        // here to request the missing permissions, and then overriding
        //   public void onRequestPermissionsResult(int requestCode, String[] permissions,
        //                                           int[] grantResults)
        // to handle the case where the user grants the permission. See the documentation
        // for ActivityCompat#requestPermissions for more details.
        return;
    }
    Task<Location> task = client.getLastLocation();
    task.addSuccessListener(new OnSuccessListener<Location>() {
        @Override
        public void onSuccess(Location location) {
            smf.getMapAsync(new OnMapReadyCallback() {
                @Override
                public void onMapReady(@NonNull GoogleMap googleMap) {

                    LatLng latLng=new LatLng(location.getLatitude(),location.getLongitude());
                    databaseReference.child(ui).child("lati").setValue(location.getLatitude());
                    databaseReference.child(ui).child("longi").setValue(location.getLongitude());

                    LatLng latLng1=new LatLng(la,lo);
                    MarkerOptions markerOptions=new
MarkerOptions().position(latLng1).title("Ambulance Location");
                    googleMap.addMarker(markerOptions);

                    MarkerOptions markerOptions1=new

```

```

MarkerOptions().position(latLng).title("Emergency Location");
        googleMap.addMarker(markerOptions1);

googleMap.animateCamera(CameraUpdateFactory.newLatLngZoom(latLng,10));
        Toast.makeText(MapWorking1.this, "UID:"+userid,
Toast.LENGTH_SHORT).show();

    }
    });
}
}
}

```

MapWorking2.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;

import android.Manifest;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.location.Geocoder;
import android.location.Location;
import android.os.Bundle;
import android.widget.Toast;

import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationServices;
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
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.ValueEventListener;
import com.karumi.dexter.Dexter;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionDeniedResponse;
import com.karumi.dexter.listener.PermissionGrantedResponse;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.single.PermissionListener;

public class MapWorking2 extends AppCompatActivity {

    SupportMapFragment smf;
    FusedLocationProviderClient client;
    DatabaseReference databaseReference,databaseReference1;
    FirebaseUser user;
    String userid;

    double la,lo,po;
    String ui;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_map_working2);

        databaseReference=FirebaseDatabase.getInstance().getReference("Available/");
        user=FirebaseAuth.getInstance().getCurrentUser();

        userid=user.getUid();

        smf = (SupportMapFragment)
        getSupportFragmentManager().findFragmentById(R.id.map2);
        client = LocationServices.getFusedLocationProviderClient(MapWorking2.this);

        Dexter.withContext(getApplicationContext())
            .withPermission(Manifest.permission.ACCESS_FINE_LOCATION)
            .withListener(new PermissionListener() {
                @Override
                public void onPermissionGranted(PermissionGrantedResponse
permissionGrantedResponse) {
                    getlocation();
                }

                @Override
                public void onPermissionDenied(PermissionDeniedResponse

```

```

permissionDeniedResponse) {

    }

    @Override
    public void onPermissionRationaleShouldBeShown(PermissionRequest
permissionRequest, PermissionToken permissionToken) {
        permissionToken.continuePermissionRequest();
    }
}).check();
}

private void getLocation() {

    if (ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_FINE_LOCATION) !=
PackageManager.PERMISSION_GRANTED && ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_COARSE_LOCATION) !=
PackageManager.PERMISSION_GRANTED) {
        // TODO: Consider calling
        //   ActivityCompat#requestPermissions
        // here to request the missing permissions, and then overriding
        //   public void onRequestPermissionsResult(int requestCode, String[] permissions,
        //                                           int[] grantResults)
        // to handle the case where the user grants the permission. See the documentation
        // for ActivityCompat#requestPermissions for more details.
        return;
    }
    Task<Location> task = client.getLastLocation();
    task.addOnSuccessListener(new OnSuccessListener<Location>() {
        @Override
        public void onSuccess(Location location) {
            smf.getMapAsync(new OnMapReadyCallback() {
                @Override
                public void onMapReady(@NonNull GoogleMap googleMap) {

                    LatLng latLng=new LatLng(19.3043123,72.8590000);
                    LatLng latLng1=new LatLng(location.getLatitude(),location.getLongitude());

                    MarkerOptions markerOptions=new
MarkerOptions().position(latLng1).title("Ambulance Location");
                    googleMap.addMarker(markerOptions);

                    MarkerOptions markerOptions1=new
MarkerOptions().position(latLng).title("Emergency Location");
                    googleMap.addMarker(markerOptions1);
                }
            });
        }
    });
}

```

```
googleMap.animateCamera(CameraUpdateFactory.newLatLngZoom(latLng,0));
```

```
    }  
    });  
    }  
    });  
    }  
}
```

Patientlocation.java file:

```
package com.example.activitytester;
```

```
public class patientlocation {  
    public double lati,longi;
```

```
    public patientlocation (){
```

```
    }  
    public patientlocation(double lati,double longi){  
        this.lati=lati;  
        this.longi=longi;  
    }
```

```
    public double getLati() {  
        return lati;  
    }
```

```
    public void setLati(double lati) {  
        this.lati = lati;  
    }
```

```
    public double getLongi() {  
        return longi;  
    }
```

```
    public void setLongi(double longi) {  
        this.longi = longi;  
    }  
}
```

pic.java file:

```

package com.example.activitytester;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;

import android.content.ContentResolver;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.View;
import android.webkit.MimeTypeMap;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.Toast;

import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.storage.FirebaseStorage;
import com.google.firebase.storage.StorageReference;
import com.google.firebase.storage.UploadTask;

import java.net.URL;

public class pic extends AppCompatActivity {

    Button viewup,upload,browse;

    Uri url;
    ImageView imageview;
    EditText imagename;

    StorageReference storageReference;
    DatabaseReference databasereference;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_pic);
        viewup=(Button) findViewById(R.id.viewup);
        upload=(Button) findViewById(R.id.uploadimage);
        browse=(Button) findViewById(R.id.browse);
        imagename=(EditText) findViewById(R.id.imagename);
    }

```



```

imageView=(ImageView) findViewById(R.id.imageView);

storageReference= FirebaseStorage.getInstance().getReference("uploads");
databasereference= FirebaseDatabase.getInstance().getReference("Users/uploads/");

browse.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent=new Intent();
        intent.setType("image/*");
        intent.setAction(Intent.ACTION_GET_CONTENT);
        startActivityForResult(intent,1);
    }
});

// capture.setOnClickListener(new View.OnClickListener() {
//     @Override
//     public void onClick(View view) {
//         Intent intent1=new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
//         startActivityForResult(intent1,0);
//     }
// });

viewup.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent=new Intent(pic.this, Imageview.class);
        startActivity(intent);
    }
});

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

        uploadFile();
    }
});

}

private String getExtension(Uri url)
{

```

```

        ContentResolver cr=getContentResolver();
        MimeTypeMap mime= MimeTypeMap.getSingleton();
        return mime.getExtensionFromMimeType(cr.getType(url));
    }

    public void uploadFile()
    {
        if(url!=null)
        {
            String link;
            link = imagename.getText().toString() + System.currentTimeMillis();

            StorageReference fileref=storageReference.child(link+"."+getExtension(url));
            fileref.putFile(url)
                .addOnSuccessListener(new OnSuccessListener<UploadTask.TaskSnapshot>() {
                    @Override
                    public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {
                        //StorageReference file=storageReference.child("link");

                        fileref.getDownloadUrl().addOnSuccessListener(new
OnSuccessListener<Uri>() {
                            @Override
                            public void onSuccess(Uri uri) {
                                Uri flink=uri;

                                Upload upload=new Upload(imagename.getText().toString().trim(),
                                    flink.toString());

                                databasereference.child(FirebaseAuth.getInstance().getCurrentUser().getUid()).child(imagen
ame.getText().toString().trim()).setValue(upload);

                                //databasereference.setValue(upload);
                                Toast.makeText(pic.this, "Upload Successfull",
Toast.LENGTH_SHORT).show();

                                    }
                                });

                                // Upload upload=new Upload(imagename.getText().toString().trim(),
                                // flink.toString());
                                //
                                //
                                //
                                databasereference.child(imagename.getText().toString().trim()).setValue(upload);
                                //
                                // databasereference.setValue(upload);
                                // Toast.makeText(pic.this, "Upload Successfull",
                                Toast.LENGTH_SHORT).show();

                                    }
                                })
        }
    }

```

```

        .addOnFailureListener(new OnFailureListener() {
            @Override
            public void onFailure(@NonNull Exception e) {
                Toast.makeText(pic.this, "Not successfull",
                    Toast.LENGTH_SHORT).show();
            }
        });

    }
    else
    {
        Toast.makeText(this, "No file selected", Toast.LENGTH_SHORT).show();
    }
}

@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    if(requestCode==1 && resultCode==RESULT_OK)
    {
        url=data.getData();
        imageView.setImageURI(url);

    }
}

// protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
//     super.onActivityResult(requestCode, resultCode, data);
//     Bitmap bitmap=(Bitmap)data.getExtras().get("data");
//     imageView.setImageBitmap(bitmap);
//
//
//
// }

}

```

SignupUser.java file:

```

package com.example.activitytester;

import android.os.Bundle;
import android.util.Patterns;
import android.view.View;
import android.widget.Button;

```

```

import android.widget.EditText;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

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.FirebaseDatabase;

public class SignupUser extends AppCompatActivity {

    private FirebaseAuth mAuth;

    EditText sname,spass,semail;
    Button submit;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_sign_up_user);
        mAuth = FirebaseAuth.getInstance();

        sname=(EditText) findViewById(R.id.sname);
        spass=(EditText) findViewById(R.id.spass);
        semail=(EditText) findViewById(R.id.semail);
        submit=(Button) findViewById(R.id.submit);

        submit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String name=sname.getText().toString();
                String fpass=spass.getText().toString();
                String femail=semail.getText().toString();

                if(name.isEmpty())
                {
                    sname.setError("Enter the Name");
                    sname.requestFocus();
                    return;
                }
                if(femail.isEmpty())
                {
                    semail.setError("Enter the email");
                    semail.requestFocus();
                    return;
                }
            }
        });
    }
}

```

```

    }

    if(!Patterns.EMAIL_ADDRESS.matcher(femail).matches())
    {
        semail.setError("Please Enter a valid email");
        semail.requestFocus();
        return;
    }
    if(fpass.isEmpty())
    {
        spass.setError("Enter the password");
        spass.requestFocus();
        return;
    }

    mAuth.createUserWithEmailAndPassword(femail,fpass)
        .addOnCompleteListener(new OnCompleteListener<AuthResult>() {
            @Override
            public void onComplete(@NonNull Task<AuthResult> task) {
                if(task.isSuccessful())
                {
                    User user= new User(name,femail);
                    FirebaseDatabase.getInstance().getReference("Users/patient/")
                        .child(FirebaseAuth.getInstance().getCurrentUser().getUid())
                        .setValue(user).addOnCompleteListener(new
OnCompleteListener<Void>() {
                            @Override
                            public void onComplete(@NonNull Task<Void> task) {
                                if(task.isSuccessful())
                                {
                                    Toast.makeText(SignupUser.this, "User Registered.",
Toast.LENGTH_SHORT).show();

                                }
                                else
                                {
                                    Toast.makeText(SignupUser.this, "Failed to Register(Step1)",
Toast.LENGTH_SHORT).show();
                                }

                            }

                        });
                }
                else
                {
                    Toast.makeText(SignupUser.this, "Failed to register(step 2)",
Toast.LENGTH_SHORT).show();
                }
            }
        });

```

```

        }
    });

}

});

}
}

```

Upload.java file:

```

package com.example.activitytester;

public class Upload {
    public String mName;
    public String mUrl;

    public String getmName() {
        return mName;
    }

    public void setmName(String mName) {
        this.mName = mName;
    }

    public String getmUrl() {
        return mUrl;
    }

    public void setmUrl(String mUrl) {
        this.mUrl = mUrl;
    }

    public Upload()
    {

    }

    public Upload(String Name,String Url)
    {
        if(Name.trim().equals(""))
        {
            Name="no name";
        }

        this.mName=Name;
        this.mUrl=Url;
    }
}

```

```
}  
}
```

User.java file:

```
package com.example.activitytester;
```

```
public class User {  
    public String name,email;  
  
    public User (){  
  
    }  
    public User(String name,String email){  
        this.name=name;  
        this.email=email;  
    }  
}
```

XML FILES:-

Activity_main.xml file:

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
xmlns:android="http://schemas.android.com/apk/res/android"  
xmlns:app="http://schemas.android.com/apk/res-auto"  
xmlns:tools="http://schemas.android.com/tools"  
android:layout_width="match_parent"  
android:layout_height="match_parent"  
tools:context=".MainActivity">  
  
    <Button  
        android:id="@+id/login"  
        android:layout_width="126dp"  
        android:layout_height="67dp"  
        android:layout_marginStart="28dp"  
        android:layout_marginTop="48dp"  
        android:text="Login"  
        android:textSize="15sp"  
        android:textStyle="normal"  
        app:layout_constraintStart_toStartOf="parent"  
        app:layout_constraintTop_toBottomOf="@+id/password" />  
  
    <Button  
        android:id="@+id/signup"  
        android:layout_width="126dp"  
        android:layout_height="67dp"  
        android:layout_marginTop="48dp"  
        android:layout_marginEnd="28dp"
```

```
android:text="Sign Up"
android:textSize="15sp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toBottomOf="@+id/password" />
```

```
<EditText
    android:id="@+id/email"
    android:layout_width="342dp"
    android:layout_height="50dp"
    android:layout_marginTop="56dp"
    android:ems="10"
    android:hint="Enter Email"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.565"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView2" />
```

```
<EditText
    android:id="@+id/password"
    android:layout_width="342dp"
    android:layout_height="50dp"
    android:layout_marginTop="28dp"
    android:ems="10"
    android:hint="Enter Password"
    android:inputType="textPassword"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/email" />
```

```
<TextView
    android:id="@+id/forgot"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="28dp"
    android:layout_marginTop="24dp"
    android:fontFamily="sans-serif"
    android:text="Forgot Password? Click Here."
    android:textSize="20dp"
    android:textStyle="normal|italic"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/login" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="28dp"
    android:layout_marginTop="40dp"
    android:text="Log In"
```



```
        android:textSize="36dp"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_3.xml file:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity3">

    <Button
        android:id="@+id/logout"
        android:layout_width="197dp"
        android:layout_height="63dp"
        android:layout_marginTop="20dp"
        android:text="Logout"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/upload" />

    <TextView
        android:id="@+id/headi"
        android:layout_width="333dp"
        android:layout_height="43dp"
        android:layout_marginStart="24dp"

        android:layout_marginTop="36dp"
        android:textSize="29sp"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="116dp"
        android:text="Name:"
        android:textSize="20sp"
        android:textStyle="bold"
```

```
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:id="@+id/nameview"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="4dp"
    android:layout_marginTop="116dp"
    android:textSize="20sp"
    app:layout_constraintStart_toEndOf="@+id/textView3"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="56dp"
    android:text="Email:"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />
```

```
<TextView
    android:id="@+id/mailview"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="4dp"
    android:layout_marginTop="60dp"
    android:textSize="15sp"
    app:layout_constraintStart_toEndOf="@+id/textView5"
    app:layout_constraintTop_toBottomOf="@+id/nameview" />
```

```
<Button
    android:id="@+id/upload"
    android:layout_width="197dp"
    android:layout_height="63dp"
    android:layout_marginTop="216dp"
    android:text="Upload Documents"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/headi" />
```

```
<Button
    android:id="@+id/maps"
    android:layout_width="197dp"
    android:layout_height="63dp"
    android:layout_marginTop="20dp"
```

```

        android:text="Location"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/logout" />

<Button
    android:id="@+id/emergency"
    android:layout_width="197dp"
    android:layout_height="63dp"
    android:layout_marginTop="20dp"
    android:text="Emergency"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/maps" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

activity_ambulance_sign.xml file:

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".AmbulanceSign">

    <EditText
        android:id="@+id/sname"
        android:layout_width="340dp"
        android:layout_height="55dp"
        android:ems="10"
        android:hint="Enter Name"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toTopOf="@+id/semail"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.721" />

    <EditText
        android:id="@+id/semail"
        android:layout_width="340dp"
        android:layout_height="55dp"
        android:layout_marginBottom="60dp"
        android:ems="10"
        android:hint="Enter Email"
        android:inputType="textEmailAddress"

```

```
app:layout_constraintBottom_toTopOf="@+id/spass"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.496"
app:layout_constraintStart_toStartOf="parent" />
```

```
<EditText
    android:id="@+id/spass"
    android:layout_width="340dp"
    android:layout_height="55dp"
    android:layout_marginBottom="68dp"
    android:ems="10"
    android:hint="Enter Password"
    android:inputType="textPassword"
    app:layout_constraintBottom_toTopOf="@+id/submit"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<Button
    android:id="@+id/submit"
    android:layout_width="149dp"
    android:layout_height="56dp"
    android:layout_marginBottom="132dp"
    android:text="Submit"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="40dp"
    android:text="Sign Up"
    android:textSize="34sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.118"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_ambulanceafterlogin.xml file:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
```

```
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".Ambulanceafterlogin"
tools:layout_editor_absoluteX="0dp"
tools:layout_editor_absoluteY="0dp">
```

```
<Button
    android:id="@+id/logout"
    android:layout_width="190dp"
    android:layout_height="60dp"
    android:layout_marginTop="216dp"
    android:text="Logout"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/headi" />
```

```
<TextView
    android:id="@+id/headi"
    android:layout_width="333dp"
    android:layout_height="43dp"
    android:layout_marginStart="24dp"

    android:layout_marginTop="60dp"
    android:textSize="28sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="140dp"
    android:text="Name:"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:id="@+id/nameview"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="4dp"
    android:layout_marginTop="144dp"
    android:textSize="17dp"
    app:layout_constraintStart_toEndOf="@+id/textView3"
```

```

        app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="60dp"
    android:text="Email:"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />

<TextView
    android:id="@+id/mailview"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="4dp"
    android:layout_marginTop="64dp"
    android:textSize="15sp"
    app:layout_constraintStart_toEndOf="@+id/textView5"
    app:layout_constraintTop_toBottomOf="@+id/nameview" />

<Button
    android:id="@+id/availaiblity"
    android:layout_width="190dp"
    android:layout_height="60dp"
    android:layout_marginTop="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/logout" />

<Button
    android:id="@+id/emer"
    android:layout_width="190dp"
    android:layout_height="60dp"
    android:layout_marginTop="20dp"
    android:text="Check Emergencies"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/availaiblity" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

activity_ambulancelogin.xml file:

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".Ambulancelogin">
```

```
<Button
    android:id="@+id/login"
    android:layout_width="126dp"
    android:layout_height="67dp"
    android:layout_marginStart="28dp"
    android:layout_marginTop="48dp"
    android:text="Login"
    android:textSize="15sp"
    android:textStyle="normal"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/password" />
```

```
<Button
    android:id="@+id/signup"
    android:layout_width="126dp"
    android:layout_height="67dp"
    android:layout_marginTop="48dp"
    android:layout_marginEnd="28dp"
    android:text="Sign Up"
    android:textSize="15dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/password" />
```

```
<EditText
    android:id="@+id/email"
    android:layout_width="342dp"
    android:layout_height="50dp"
    android:layout_marginTop="56dp"
    android:ems="10"
    android:hint="Enter Email"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.565"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView2" />
```

```
<EditText
    android:id="@+id/password"
    android:layout_width="342dp"
    android:layout_height="50dp"
    android:layout_marginTop="28dp"
    android:ems="10"
```

```

        android:hint="Enter Password"
        android:inputType="textPassword"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/email" />

```

```

<TextView
    android:id="@+id/forgot"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="28dp"
    android:layout_marginTop="24dp"
    android:text="Forgot Password? Click Here"
    android:textSize="20dp"
    android:textStyle="normal|italic"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/login" />

```

```

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="28dp"
    android:layout_marginTop="40dp"
    android:text="Log In"
    android:textSize="36dp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

```

```

</androidx.constraintlayout.widget.ConstraintLayout>

```

activity_emergency_call.xml file:

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".EmergencyCall">

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/emergencyrecycler"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"

```



```
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_emergency_check.xml file:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".EmergencyCheck">

    <TextView
        android:id="@+id/headi"
        android:layout_width="333dp"
        android:layout_height="43dp"
        android:layout_marginStart="36dp"

        android:layout_marginTop="72dp"
        android:textSize="28sp"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/nameview"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="148dp"
        android:textSize="20sp"
        app:layout_constraintTop_toTopOf="parent"
        tools:layout_editor_absoluteX="136dp" />

    <TextView
        android:id="@+id/mailview"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="60dp"
        android:textSize="15sp"
        app:layout_constraintTop_toBottomOf="@+id/nameview"
        tools:layout_editor_absoluteX="133dp" />

    <Button
        android:id="@+id/location"
        android:layout_width="173dp"
        android:layout_height="60dp"
        android:layout_marginTop="240dp"
```

```

        android:text="Show Location"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/headi" />

```

```

<Button
    android:id="@+id/files"
    android:layout_width="173dp"
    android:layout_height="60dp"
    android:layout_marginTop="20dp"
    android:text="Show Files"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/location" />

```

```

<Button
    android:id="@+id/del"
    android:layout_width="173dp"
    android:layout_height="60dp"
    android:layout_marginTop="20dp"
    android:text="Delete "
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/files" />

```

```

</androidx.constraintlayout.widget.ConstraintLayout>

```

activity_forgotpass.xml file:

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Forgotpass">

```

```

    <EditText
        android:id="@+id/emailf"
        android:layout_width="376dp"
        android:layout_height="53dp"
        android:layout_marginTop="160dp"
        android:ems="10"
        android:hint="Enter Email Address"
        android:inputType="textEmailAddress"
        app:layout_constraintEnd_toEndOf="parent"

```

```

        app:layout_constraintHorizontal_bias="0.485"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

<Button
    android:id="@+id/forgotp"
    android:layout_width="186dp"
    android:layout_height="57dp"
    android:layout_marginTop="68dp"
    android:text="Forgot"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/emailf" />

<TextView
    android:id="@+id/textView"
    android:layout_width="317dp"
    android:layout_height="45dp"
    android:layout_marginTop="52dp"
    android:gravity="center"
    android:text="Forgot Password"
    android:textSize="24sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

activity_imageview.xml file:

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Imageview">

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/recycle"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_map_working.xml file:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MapWorking">

    <fragment
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/map"
        android:name="com.google.android.gms.maps.SupportMapFragment"/>
</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_map_working1.xml file:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MapWorking1">

    <fragment
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/map1"
        android:name="com.google.android.gms.maps.SupportMapFragment"/>

</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_map_working2.xml file:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
```

```
tools:context=".MapWorking2">
```

```
<fragment  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:id="@+id/map2"  
    android:name="com.google.android.gms.maps.SupportMapFragment"/>
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_maps.xml file:

```
<?xml version="1.0" encoding="utf-8"?>  
<fragment xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:map="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:id="@+id/map"  
    android:name="com.google.android.gms.maps.SupportMapFragment"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context=".MapsActivity" />
```

activity_pic.xml file:

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context=".pic">
```

```
<ImageView  
    android:id="@+id/imageView"  
    android:layout_width="384dp"  
    android:layout_height="370dp"  
    android:layout_marginTop="28dp"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.481"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent" />
```

```
<Button  
    android:id="@+id/viewup"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="12dp"  
    android:text="View uploads"  
    app:layout_constraintBottom_toBottomOf="@+id/browse"
```

```
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/imageView"
app:layout_constraintVertical_bias="1.0" />
```

```
<Button
    android:id="@+id/browse"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="40dp"
    android:layout_marginEnd="12dp"
    android:text="Browse"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView" />
```

```
<Button
    android:id="@+id/uploadimage"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="32dp"
    android:text="Upload"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imagename" />
```

```
<EditText
    android:id="@+id/imagename"
    android:layout_width="348dp"
    android:layout_height="48dp"
    android:layout_marginTop="104dp"
    android:ems="10"
    android:hint="Enter Image Name"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.492"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_sign_up_user.xml file:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".SignupUser">
```

```
<EditText
    android:id="@+id/sname"
    android:layout_width="340dp"
    android:layout_height="55dp"
    android:ems="10"
    android:hint="Enter Name"
    android:inputType="textPersonName"
    app:layout_constraintBottom_toTopOf="@+id/semail"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.721" />
```

```
<EditText
    android:id="@+id/semail"
    android:layout_width="340dp"
    android:layout_height="55dp"
    android:layout_marginBottom="60dp"
    android:ems="10"
    android:hint="Enter Email"
    android:inputType="textEmailAddress"
    app:layout_constraintBottom_toTopOf="@+id/spass"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<EditText
    android:id="@+id/spass"
    android:layout_width="340dp"
    android:layout_height="55dp"
    android:layout_marginBottom="68dp"
    android:ems="10"
    android:hint="Enter Password"
    android:inputType="textPassword"
    app:layout_constraintBottom_toTopOf="@+id/submit"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<Button
    android:id="@+id/submit"
    android:layout_width="149dp"
    android:layout_height="56dp"
    android:layout_marginBottom="132dp"
    android:text="Submit"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent" />
```

```

<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="40dp"
    android:text="Sign Up"
    android:textSize="34sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.118"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

activity_startpage.xml file:

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/browser_actions_bg_grey"
    tools:context=".Startpage">

    <Button
        android:id="@+id/patient"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="40dp"
        android:text="Patient"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView7" />

    <Button
        android:id="@+id/ambulance"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="24dp"
        android:text="Ambulance"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/patient" />

    <TextView

```



```

        android:id="@+id/textView6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="56dp"
        android:text="Welcome to Emergency Services"
        android:textSize="22dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView4" />

```

```

<TextView
    android:id="@+id/textView7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="16dp"
    android:text="Please select appropriate option:"
    android:textSize="16sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView6" />

```

```

<ImageView
    android:id="@+id/imageView4"
    android:layout_width="164dp"
    android:layout_height="160dp"
    android:layout_marginTop="32dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:srcCompat="@drawable/images1" />

```

```

</androidx.constraintlayout.widget.ConstraintLayout>

```

Emer.xml file:

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.cardview.widget.CardView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="8dp">

```

```

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

```

```

        <TextView
            android:id="@+id/AmbulanceEmail"

```

```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="8dp"
        android:layout_marginBottom="8dp"
        android:gravity="center_horizontal"
        android:hint="AmbulanceEmail"
        android:textSize="24dp" />

<TextView
    android:id="@+id/Ambulancelati"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="4dp"
    android:layout_marginBottom="4dp"
    android:hint="Latitude"
    android:textSize="20dp" />

<TextView
    android:id="@+id/Ambulancelongi"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="4dp"
    android:layout_marginBottom="4dp"
    android:hint="Longitude"
    android:textSize="20dp" />
</LinearLayout>
</androidx.cardview.widget.CardView>

```

imagecard.xml file:

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.cardview.widget.CardView
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="8dp"
        android:orientation="vertical">

        <TextView
            android:id="@+id/imagetext"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizontal"

```

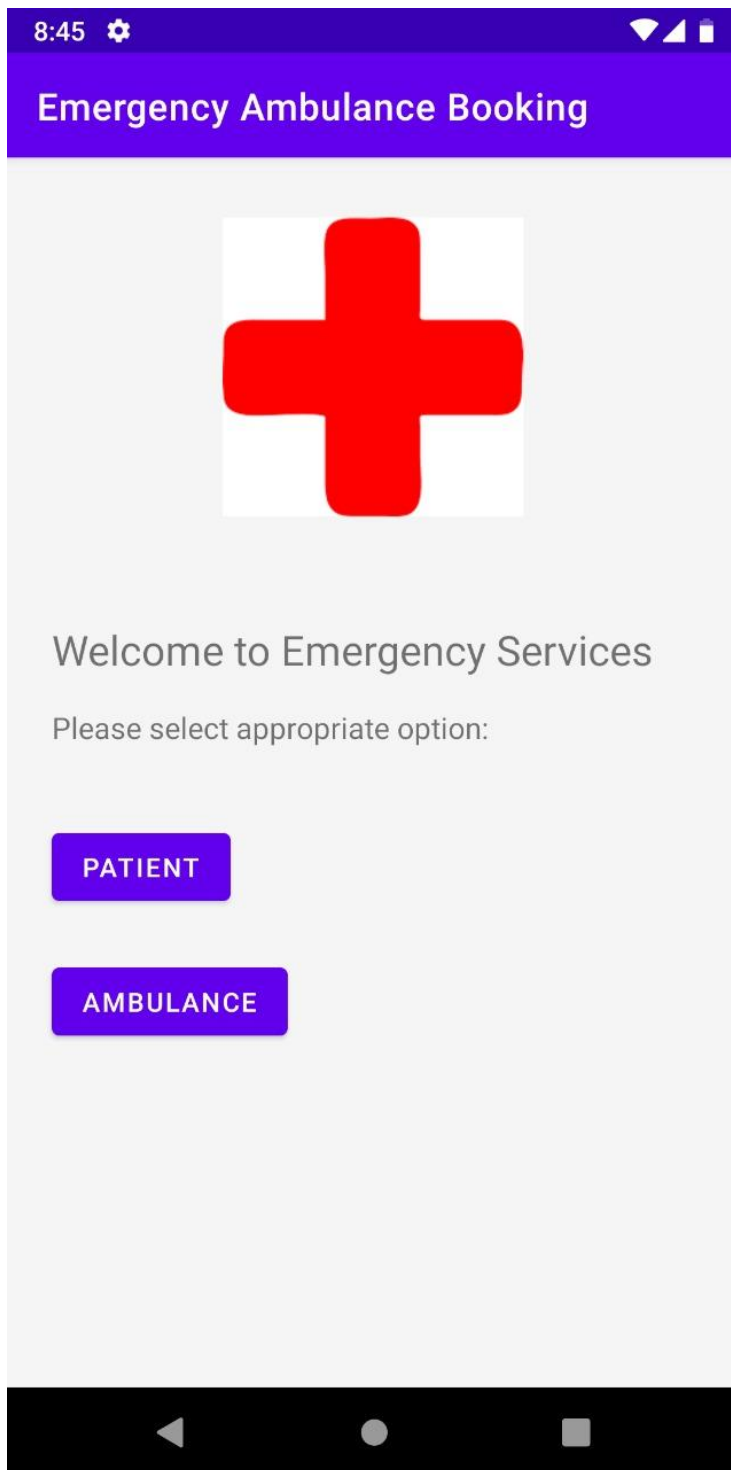
```
    android:layout_marginTop="8dp"
    android:layout_marginBottom="8dp"
    android:hint="Image name"
    android:textSize="40dp" />
```

```
<ImageView
    android:id="@+id/imageset"
    android:layout_width="match_parent"
    android:layout_height="633dp"
    app:srcCompat="@drawable/ic_launcher_background" />
</LinearLayout>
```

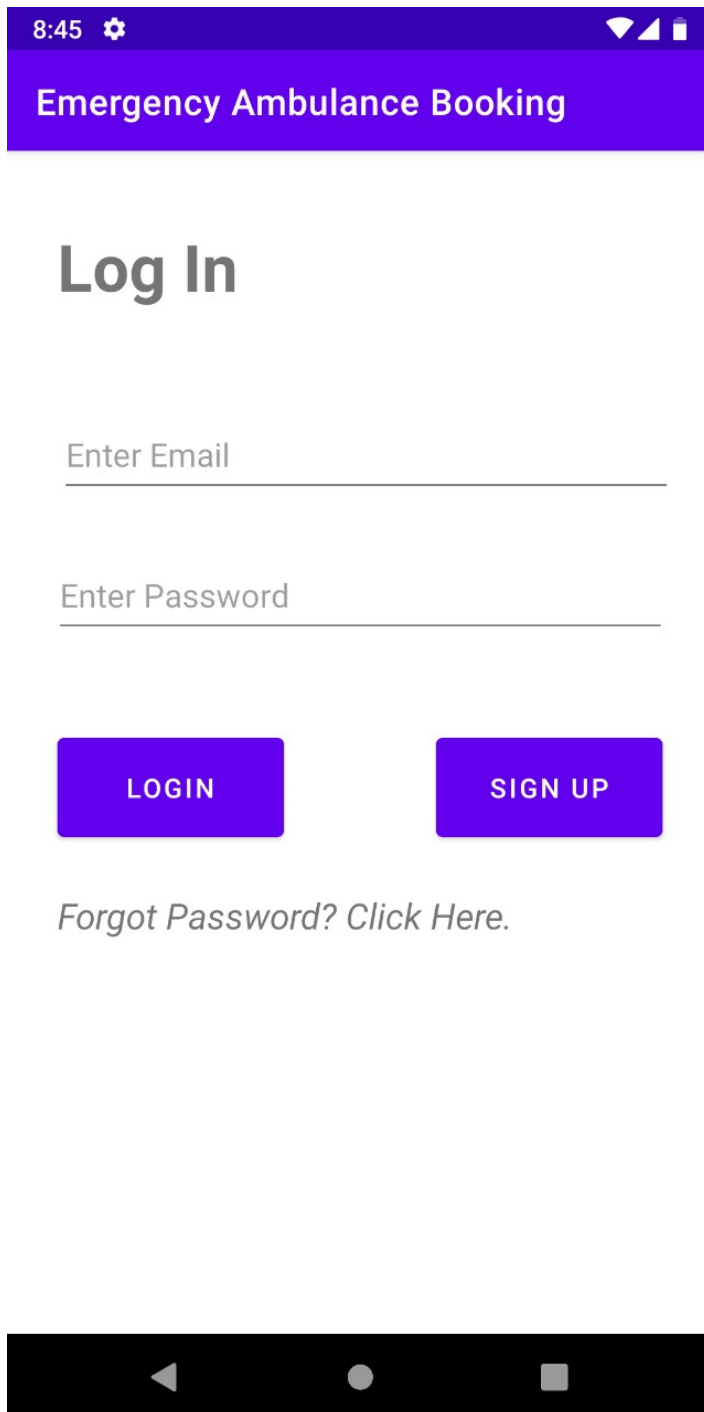
```
</androidx.cardview.widget.CardView>
```

RESULTS:

1. Start Page: This is the page where login for both patient and ambulance will be visible



2. Login Page: This is the login page which is similar for both the ambulance and the patient



The image shows a mobile application interface for "Emergency Ambulance Booking". At the top, there is a status bar with the time "8:45", a settings gear icon, and signal/battery icons. Below the status bar is a red header with the text "Emergency Ambulance Booking" in white. The main content area has a light gray background. It features a large "Log In" title in bold black text. Below the title are two input fields: "Enter Email" and "Enter Password", each with a light gray border and a small red error message icon on the right. Under the "Enter Password" field is a "Forgot Password? Click Here." link in gray text. At the bottom of the form are two red buttons with white text: "LOGIN" and "SIGN UP". The entire app interface is shown within a white frame that includes a black Android navigation bar at the very bottom with back, home, and recents icons.

8:45 ⚙️

Emergency Ambulance Booking

Log In

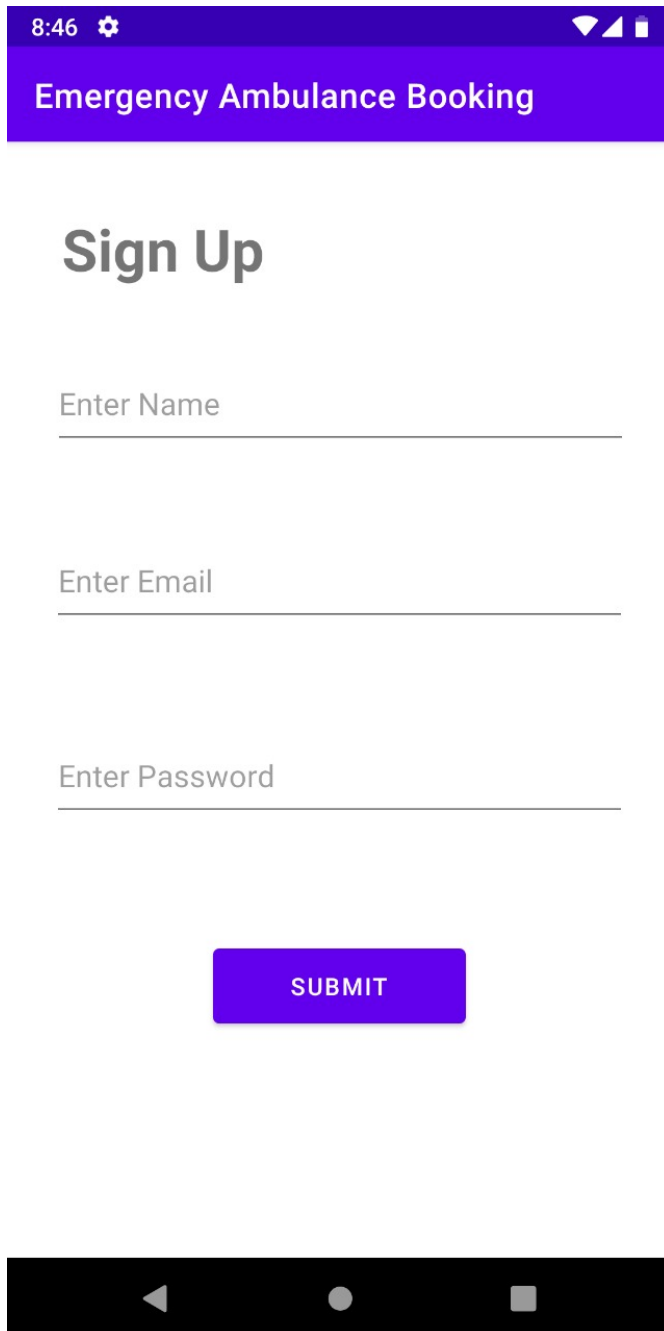
Enter Email

Enter Password

[Forgot Password? Click Here.](#)

LOGIN SIGN UP

3. Sign Up Page: This is the SignUp page which is similar for both the ambulance and the patient



The screenshot shows a mobile application interface for "Emergency Ambulance Booking". At the top, there is a status bar with the time "8:46", a settings gear icon, and signal/battery icons. Below the status bar is a red header bar with the text "Emergency Ambulance Booking" in white. The main content area has a light gray background. It features a large, bold, black heading "Sign Up". Below this heading are three input fields, each with a light gray placeholder text: "Enter Name", "Enter Email", and "Enter Password". Each input field is followed by a thin red horizontal line. Below the input fields is a red rectangular button with the word "SUBMIT" in white, uppercase letters. At the bottom of the screen is a black navigation bar with three white icons: a back arrow, a home circle, and a recent apps square.

8:46 ⚙️

Emergency Ambulance Booking

Sign Up

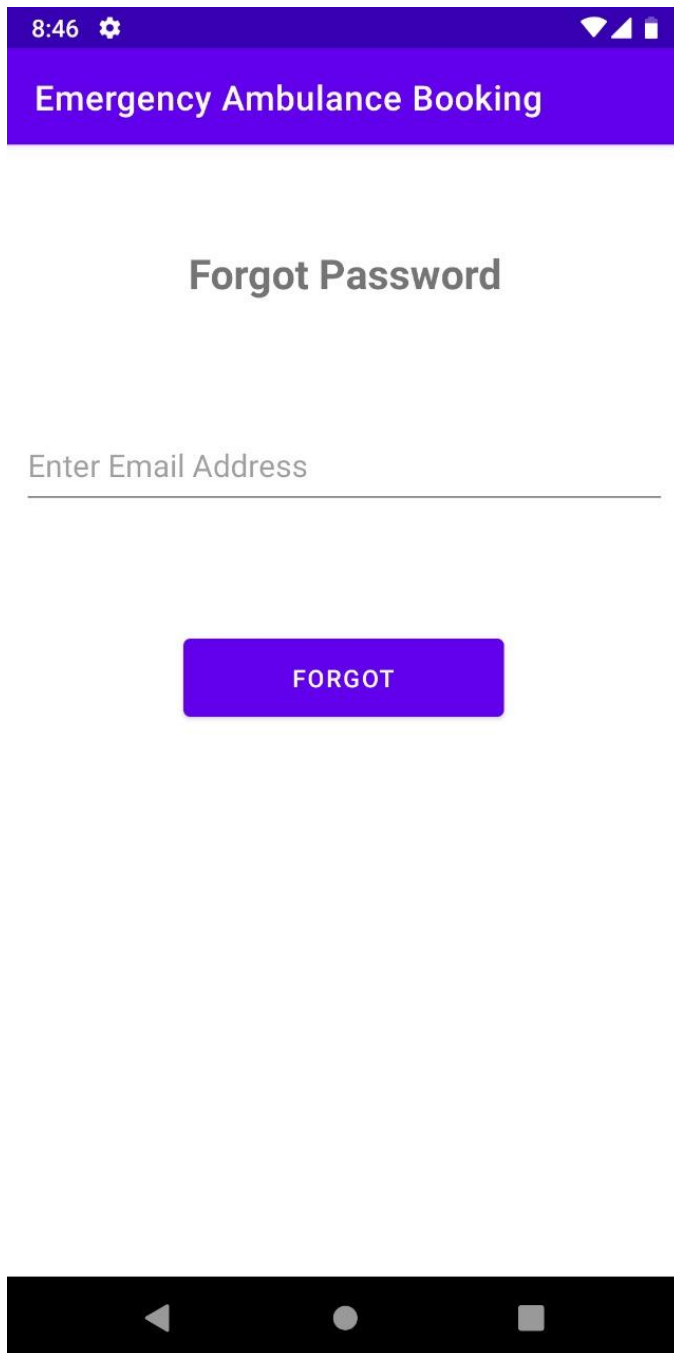
Enter Name

Enter Email

Enter Password

SUBMIT

4. Forgot password page: When a user forgets the forgets his/her password



8:46

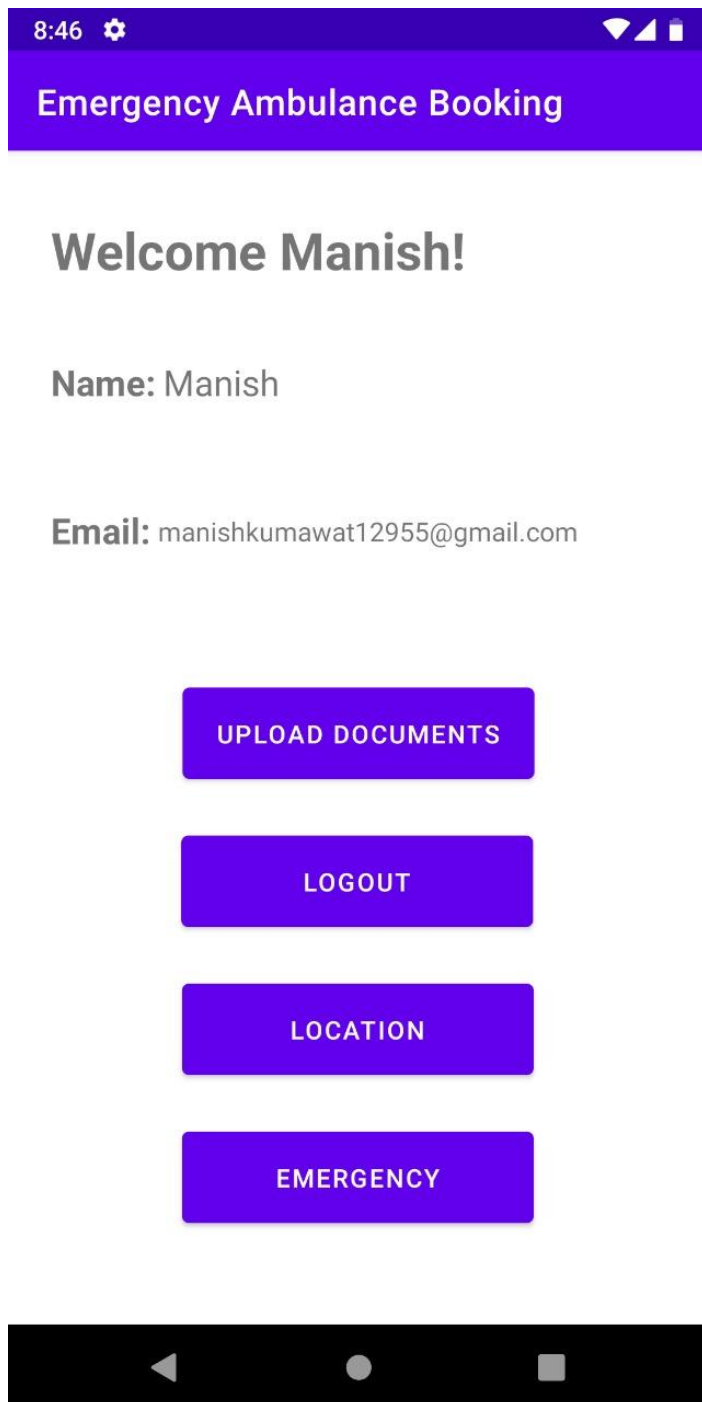
Emergency Ambulance Booking

Forgot Password

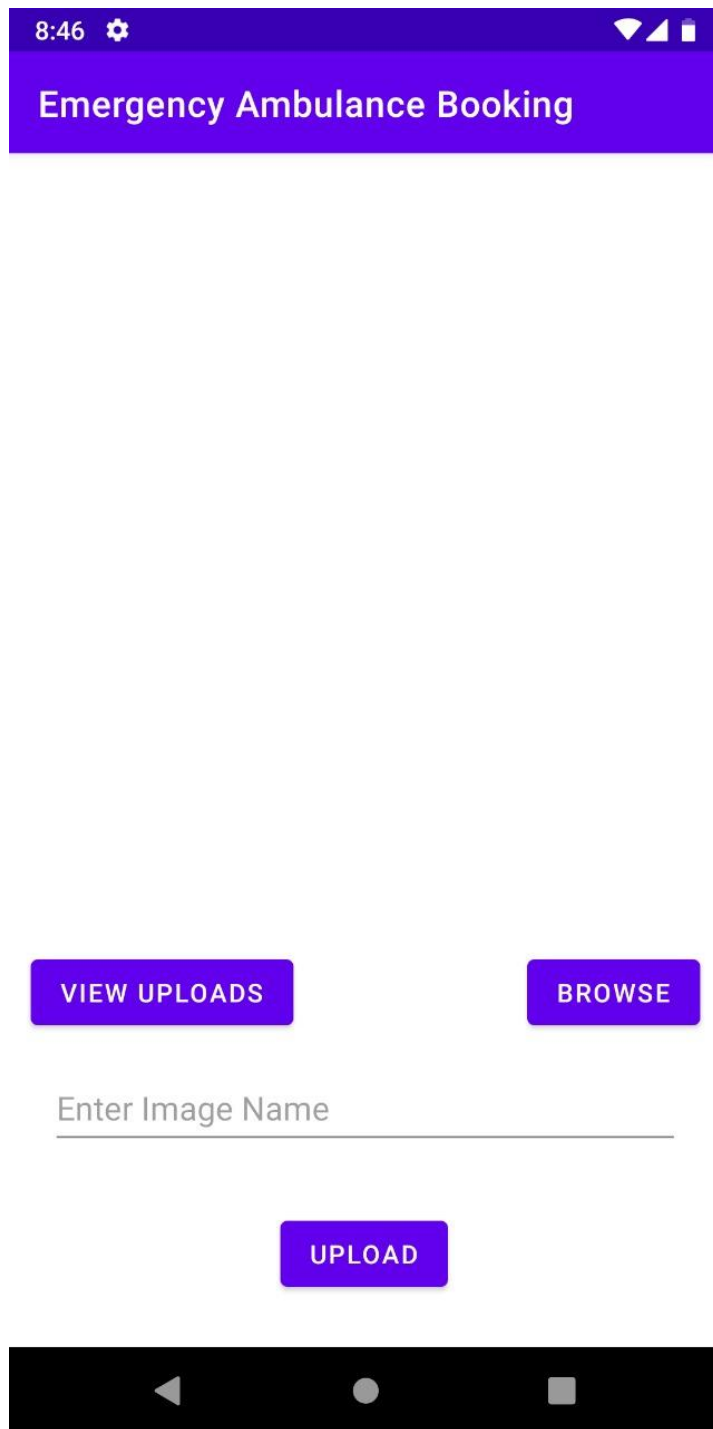
Enter Email Address

FORGOT

5. Patient Dashboard: After the patient successfully logs in with his credentials, this page gets displayed



6. Upload Page: The page where the user can upload his medical files and later view it after it is uploaded.



The screenshot shows the 'Emergency Ambulance Booking' app interface. At the top, a status bar displays the time '8:46', a settings gear icon, and signal/battery icons. Below this, a purple header bar contains the text 'Emergency Ambulance Booking'. The main content area is white and contains two blue buttons: 'VIEW UPLOADS' on the left and 'BROWSE' on the right. Below these buttons is a text input field with the placeholder text 'Enter Image Name'. Underneath the input field is a blue 'UPLOAD' button. At the bottom of the screen is a black Android navigation bar with three icons: a back arrow, a home circle, and a recent apps square.

8:46 ⚙️

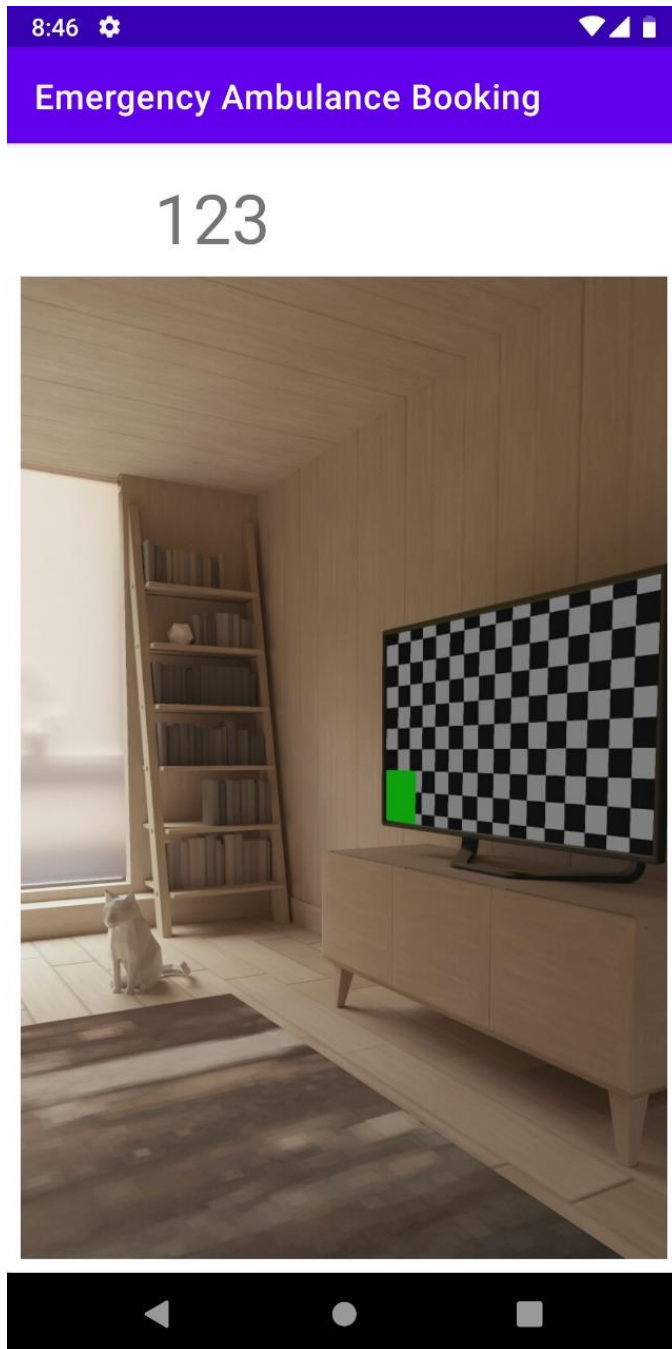
Emergency Ambulance Booking

VIEW UPLOADS BROWSE

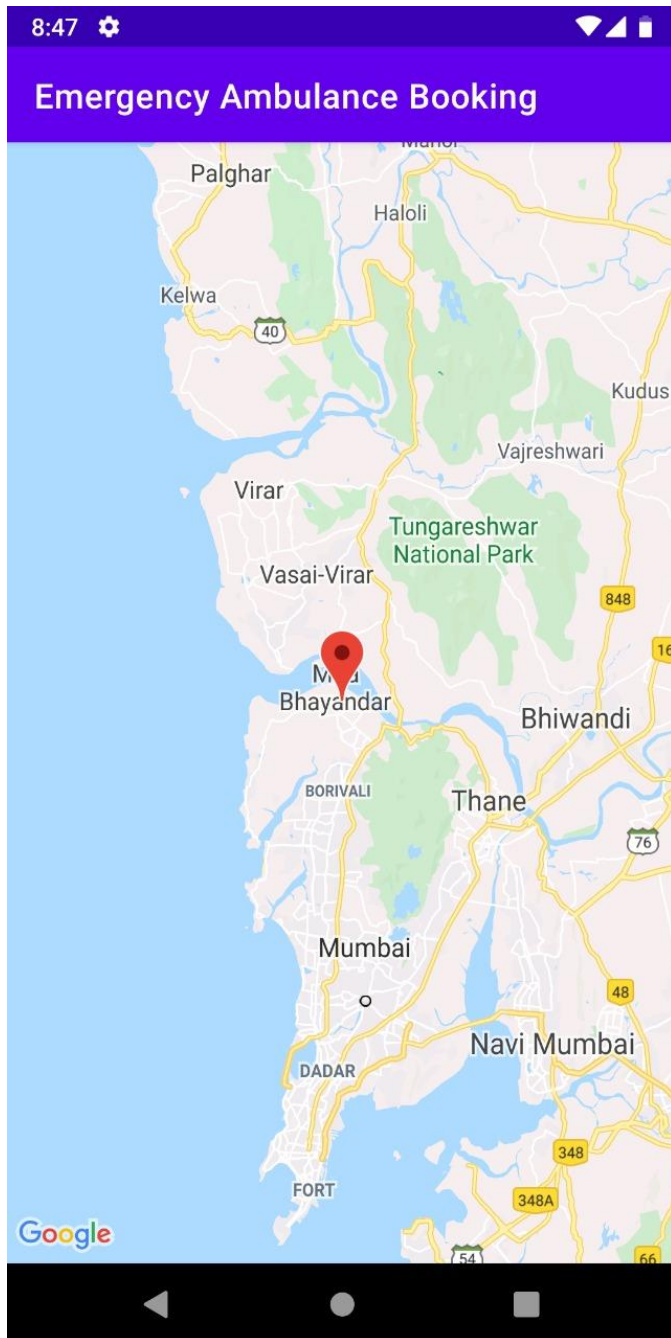
Enter Image Name

UPLOAD

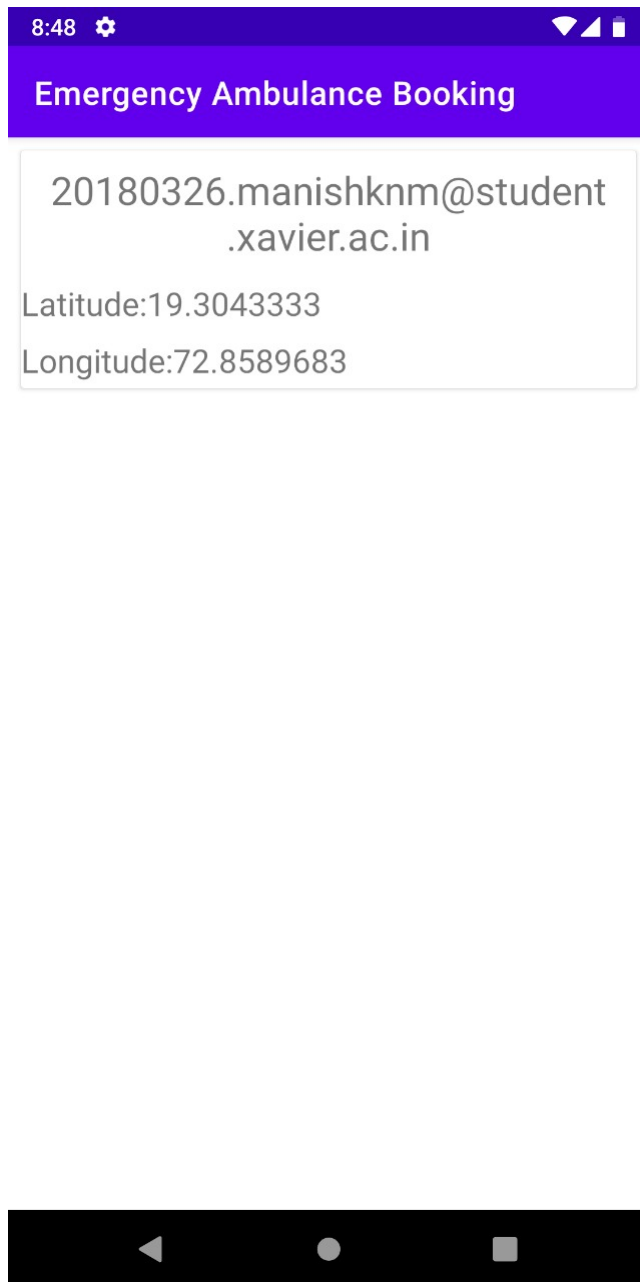
7. View Uploads: View the uploaded documents by the patient and it will be similarly shown in the ambulance module, when the user books/calls for an emergency ambulance.



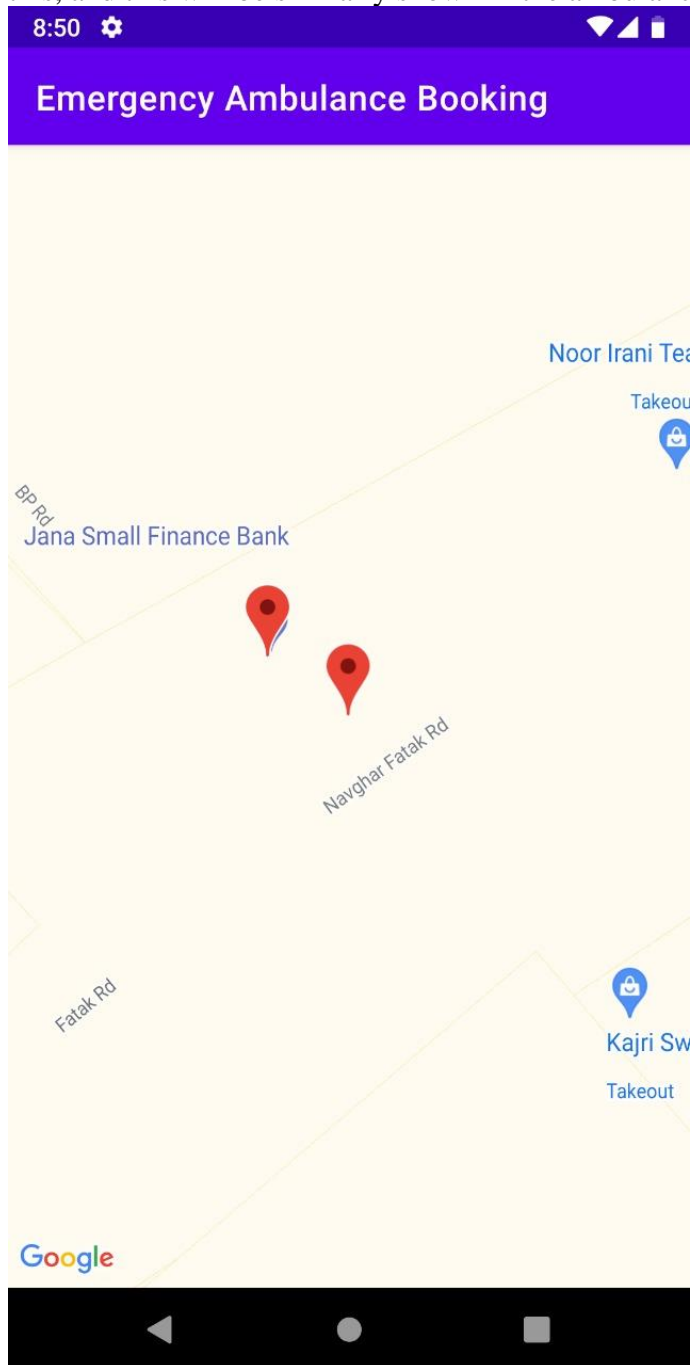
8. Patient Location: The location of the patient where the ambulance is required in times of an emergency will be shown as below.



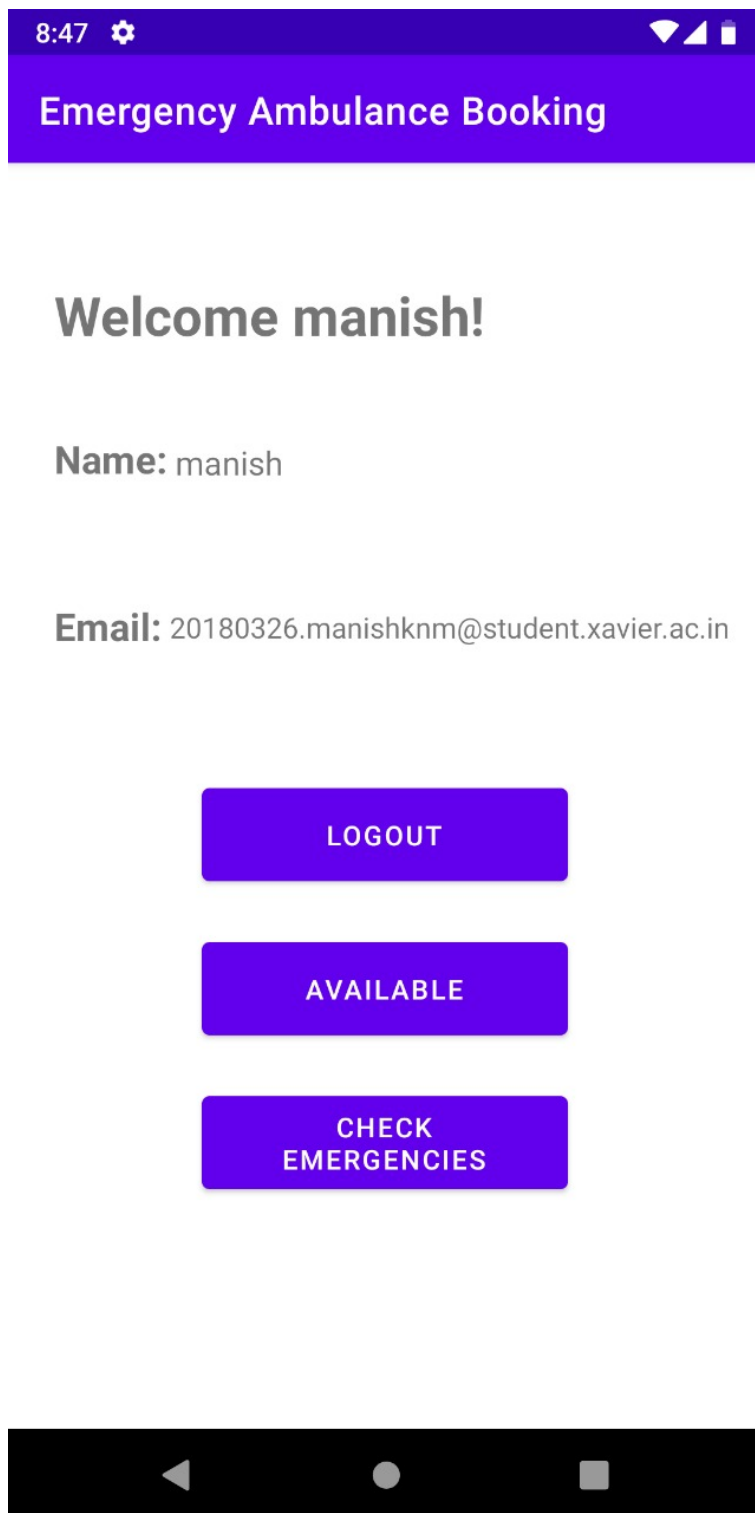
9. Available Ambulances : All the available ambulances will be listed like this in the patient module, wherein the patient can click the ambulance and book it. And then the location of both the patient and ambulances will be displayed on the map.



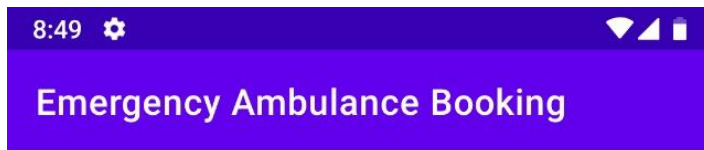
10. Ambulance and Patient location: After booking is done, the location will be shown like this, and this will be similarly shown in the ambulance module.



11. Ambulance Driver's Login: The login page after the ambulance driver logs in successfully will appear as the following.



12. This will be displayed in the check emergency module, only if there is any request for ambulance.



Welcome,manish

SHOW LOCATION

SHOW FILES

DELETE



FUTURE SCOPE

There many scopes of further developments.

We can implement these ideas to our android application

1. We can introduce a doctor module to our app, depending on patient's condition which will be given by user as an image and symptoms, designate a paramedic and/or a doctor to be sent with the ambulance for basic or advanced life support, as required.
2. We can build a sustainable website for this platform.
3. We will build apps for ios.
4. We will try to implement AI based medical assistant in this system.

CONCLUSION

Whenever there is some disaster or any other major emergency situation, the traditional modes and means of communication such as telephones are either disrupted or sometimes the situation does not permit their use. Emergency can strike anyone, anywhere, all we can do is prepare for it and this paper presents an app with efficient mechanism that allows us to not only prepare for an emergency but also to come out of it smiling. This paper makes booking ambulances easier and also allows us to track their location to know the estimated time by which the ambulance will reach us.

Ambulance service system can have multiple functions and also provides more benefits to users. With increased features like tracking of ambulance lively . This will help the admin to track the ambulance driver. This helps the user and ambulance driver to make more comfort.

REFERENCES

- [1] International Journal of Scientific Research in Science, Engineering and Technology IJSRSET, Shivam Kumar Kashyap, Sainandini Mishra, “International Journal of Scientific Research in Science, Engineering and Technology IJSRSET, Shivam Kumar Kashyap, Sainandini Mishra”, 14 Sep 2020.
- [2] Dr. Sangeetha. V, Prathap H V, Shreyas S Koushik, Nithin.S.C, Nikhil.M.N, “A Smartphone Based Application for Health Catr Management Svs Tem”.
- [3] Suvitha Wilson , Vanshaj Gupta, “Efficient Emergency Services Using Mobile And Web Technologies”, Apr 2018.
- [4] Md. Al Mehedi Hasan, Shrabosty Deb, “ Development of Android Based Application: MEDILINK”.