AppListActivity.java

package com.smartcarassistant;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.support.v7.app.AppCompatDelegate;

import android.view.View;

import android.widget.Button;

import android.widget.ImageButton;

import android.widget.ImageView;

import android.widget.Toast;

public class AppListActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

try {

setContentView(R.layout.activity\_app\_list);

ImageView btNotification = (ImageView) findViewById(R.id.buttonNotification);

ImageView btHelpdesk = (ImageView) findViewById(R.id.buttonHelpDesk);

ImageView btMonthlyExpenses = (ImageView) findViewById(R.id.buttonMonthlyExpenses);

ImageView btMoodyMediaPlayer = (ImageView) findViewById(R.id.buttonMoodyMusicPlayer);

ImageView btExploreAroundme = (ImageView) findViewById(R.id.buttonExploreAroundme);

ImageView btEmergencyTrapped = (ImageView)findViewById(R.id.buttonEmergencyTrapped);

ImageView btDetect=(ImageView)findViewById(R.id.buttondetect);

btNotification.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent intent4 = new Intent(AppListActivity.this, NotificationActivity.class);

startActivity(intent4);

}

});

btMonthlyExpenses.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent intent3 = new Intent(AppListActivity.this, MonthlyExpensesActivity.class);

startActivity(intent3);

}

});

btHelpdesk.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent intent5=new Intent(AppListActivity.this, HelpDeskActivity.class);

startActivity(intent5);

}

});

btMoodyMediaPlayer.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent intent6=new Intent(AppListActivity.this,MoodyMusicPlayerActivity.class);

startActivity(intent6);

}

});

btExploreAroundme.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent intent7 = new Intent(AppListActivity.this, ExploreAroundme.class);

startActivity(intent7);

}

});

btEmergencyTrapped.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent intent8 = new Intent(AppListActivity.this, EmergencyTrapped.class);

startActivity(intent8);

}

});

btDetect.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent intent9 = new Intent(AppListActivity.this, DetectActivity.class);

startActivity(intent9);

}

});

}catch (Exception e){

FileLog.e(e);

}

}

}

=================================================================================

Car\_User.java

package com.smartcarassistant;

/\*\*

\* Created by lenovo on 25-02-2018.

\*/

public class Car\_user {

String name;

String email;

String mobileno;

String carno;

String dop;

String username;

String password;

String confirmpassword;

public Car\_user(String Name, String Email,String Mobileno, String Carno, String Dop, String Username, String Password, String Confirmpassword) {

name=Name;

email=Email;

mobileno=Mobileno;

carno=Carno;

dop=Dop;

username=Username;

// password=Password;

// confirmpassword=Confirmpassword;

}

public String getName() {

return name;

}

public String getEmail() {

return email;

}

public String getMobileno() {

return mobileno;

}

public String getCarno() {

return carno;

}

public String getDop() {

return dop;

}

public String getUsername() {

return username;

}

public String getPassword() {

return password;

}

public String getConfirmpassword() {

return confirmpassword;

}

}

==========================================================================

CarServicingActivity.java

package com.smartcarassistant;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

public class CarServicingActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_car\_servicing);

}

}

=====================================================================================

Common.java

package com.smartcarassistant;

import com.smartcarassistant.Model.Results;

import com.smartcarassistant.Model.myPlaces;

import com.smartcarassistant.Remote.IGoogleAPIService;

import com.smartcarassistant.Remote.RetrofitClient;

/\*\*

\* Created by Aniket on 16-Mar-18.

\*/

public class Common {

public static Results currentResult;

private static final String GOOGLE\_API\_URL = "https://maps.googleapis.com/";

public static IGoogleAPIService getGoogleAPIService(){

return RetrofitClient.getClient(GOOGLE\_API\_URL).create(IGoogleAPIService.class);

}

}

====================================================================================

DetectActivity.java

package com.smartcarassistant;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.bluetooth.BluetoothSocket;

import android.content.Intent;

import android.view.View;

import android.widget.ImageButton;

import android.widget.ImageView;

import android.widget.Toast;

import android.app.ProgressDialog;

import android.bluetooth.BluetoothAdapter;

import android.bluetooth.BluetoothDevice;

import android.os.AsyncTask;

import java.io.IOException;

import java.util.UUID;

public class DetectActivity extends AppCompatActivity {

// Button btnOn, btnOff, btnDis;

ImageButton On, Off, Discnt, Abt;

String address = null;

private ProgressDialog progress;

BluetoothAdapter myBluetooth = null;

BluetoothSocket btSocket = null;

private boolean isBtConnected = false;

//SPP UUID. Look for it

static final UUID myUUID = UUID.fromString("00001101-0000-1000-8000-00805F9B34FB");

@Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

try{

Intent newint = getIntent();

address = newint.getStringExtra(DeviceList.EXTRA\_ADDRESS); //receive the address of the bluetooth device

setContentView(R.layout.activity\_detect);

//call the widgets

ImageView On = (ImageView) findViewById(R.id.buttonOn);

ImageView Off = (ImageView) findViewById(R.id.buttonOff);

ImageView Discnt = (ImageView) findViewById(R.id.buttonDisconnect);

new ConnectBT().execute(); //Call the class to connect

//commands to be sent to bluetooth

On.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v)

{

turnOnLed(); //method to turn on

}

});

Off.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v)

{

turnOffLed(); //method to turn off

}

});

Discnt.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v)

{

Disconnect(); //close connection

}

});

}catch (Exception e){

FileLog.e(e);

}

}

private void Disconnect()

{

if (btSocket!=null) //If the btSocket is busy

{

try

{

btSocket.close(); //close connection

}

catch (IOException e)

{ msg("Error");}

}

finish(); //return to the first layout

}

private void turnOffLed()

{

if (btSocket!=null)

{

try

{

btSocket.getOutputStream().write("0".toString().getBytes());

}

catch (IOException e)

{

msg("Error");

}

}

}

private void turnOnLed()

{

if (btSocket!=null)

{

try

{

btSocket.getOutputStream().write("1".toString().getBytes());

}

catch (IOException e)

{

msg("Error");

}

}

}

// fast way to call Toast

private void msg(String s)

{

Toast.makeText(getApplicationContext(),s,Toast.LENGTH\_LONG).show();

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.menu\_led\_control, menu);

return true;

}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

// Handle action bar item clicks here. The action bar will

// automatically handle clicks on the Home/Up button, so long

// as you specify a parent activity in AndroidManifest.xml.

int id = item.getItemId();

//noinspection SimplifiableIfStatement

if (id == R.id.action\_settings) {

return true;

}

return super.onOptionsItemSelected(item);

}

private class ConnectBT extends AsyncTask<Void, Void, Void> // UI thread

{

private boolean ConnectSuccess = true; //if it's here, it's almost connected

@Override

protected void onPreExecute()

{

progress = ProgressDialog.show(DetectActivity.this, "Connecting...", "Please wait!!!"); //show a progress dialog

}

@Override

protected Void doInBackground(Void... devices) //while the progress dialog is shown, the connection is done in background

{

try

{

if (btSocket == null || !isBtConnected)

{

myBluetooth = BluetoothAdapter.getDefaultAdapter();//get the mobile bluetooth device

BluetoothDevice dispositivo = myBluetooth.getRemoteDevice(address);//connects to the device's address and checks if it's available

btSocket = dispositivo.createInsecureRfcommSocketToServiceRecord(myUUID);//create a RFCOMM (SPP) connection

BluetoothAdapter.getDefaultAdapter().cancelDiscovery();

btSocket.connect();//start connection

}

}

catch (IOException e)

{

ConnectSuccess = false;//if the try failed, you can check the exception here

}

return null;

}

@Override

protected void onPostExecute(Void result) //after the doInBackground, it checks if everything went fine

{

super.onPostExecute(result);

if (!ConnectSuccess)

{

msg("Connection Failed. Is it a SPP Bluetooth? Try again.");

finish();

}

else

{

msg("Connected.");

isBtConnected = true;

}

progress.dismiss();

}

}

}

=====================================================================================

DeiviceListActivity.java

package com.smartcarassistant;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.ImageView;

import android.widget.ListView;

import android.bluetooth.BluetoothAdapter;

import android.bluetooth.BluetoothDevice;

import android.widget.TextView;

import android.widget.Toast;

import java.util.ArrayList;

import java.util.Set;

public class DeviceListActivity extends AppCompatActivity

{

//widgets

ImageView btnPaired;

ListView devicelist;

//Bluetooth

private BluetoothAdapter myBluetooth = null;

private Set<BluetoothDevice> pairedDevices;

public static String EXTRA\_ADDRESS = "device\_address";

@Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

try{

setContentView(R.layout.activity\_device\_list);

//Calling widgets

btnPaired = (ImageView) findViewById(R.id.button);

devicelist = (ListView)findViewById(R.id.listView);

//if the device has bluetooth

myBluetooth = BluetoothAdapter.getDefaultAdapter();

if(myBluetooth == null)

{

//Show a mensag. that the device has no bluetooth adapter

Toast.makeText(getApplicationContext(), "Bluetooth Device Not Available", Toast.LENGTH\_LONG).show();

//finish apk

finish();

}

else {

if (myBluetooth.isEnabled()) {

} else {

//Ask to the user turn the bluetooth on

Intent turnBTon = new Intent(BluetoothAdapter.ACTION\_REQUEST\_ENABLE);

startActivityForResult(turnBTon,1);

}

}

btnPaired.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v)

{

pairedDevicesList();

}

});

}catch (Exception e){

FileLog.e(e);

}

}

private void pairedDevicesList()

{

pairedDevices = myBluetooth.getBondedDevices();

ArrayList list = new ArrayList();

if (pairedDevices.size()>0)

{

for(BluetoothDevice bt : pairedDevices)

{

list.add(bt.getName() + "\n" + bt.getAddress()); //Get the device's name and the address

}

}

else

{

Toast.makeText(getApplicationContext(), "No Paired Bluetooth Devices Found.", Toast.LENGTH\_LONG).show();

}

final ArrayAdapter adapter = new ArrayAdapter(this,android.R.layout.simple\_list\_item\_1, list);

devicelist.setAdapter(adapter);

devicelist.setOnItemClickListener(myListClickListener); //Method called when the device from the list is clicked

}

private AdapterView.OnItemClickListener myListClickListener = new AdapterView.OnItemClickListener()

{

public void onItemClick (AdapterView<?> av, View v, int arg2, long arg3)

{

// Get the device MAC address, the last 17 chars in the View

String info = ((TextView) v).getText().toString();

String address = info.substring(info.length() - 17);

// Make an intent to start next activity.

Intent i = new Intent(DeviceListActivity.this, DetectActivity.class);

//Change the activity.

i.putExtra(EXTRA\_ADDRESS, address); //this will be received at ledControl (class) Activity

startActivity(i);

}

};

@Override

public boolean onCreateOptionsMenu(Menu menu)

{

// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.menu\_device\_list, menu);

return true;

}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

// Handle action bar item clicks here. The action bar will

// automatically handle clicks on the Home/Up button, so long

// as you specify a parent activity in AndroidManifest.xml.

int id = item.getItemId();

//noinspection SimplifiableIfStatement

if (id == R.id.action\_settings) {

return true;

}

return super.onOptionsItemSelected(item);

}

}

====================================================================================

EmergencyTrapped.java

package com.smartcarassistant;

import android.Manifest;

import android.content.Context;

import android.content.Intent;

import android.content.pm.PackageManager;

import android.location.Address;

import android.location.Geocoder;

import android.location.Location;

import android.location.LocationListener;

import android.location.LocationManager;

import android.net.Uri;

import android.support.v4.app.ActivityCompat;

import android.support.v4.content.ContextCompat;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.telephony.SmsManager;

import android.view.View;

import android.widget.Button;

import android.widget.Toast;

import java.util.List;

import java.util.Locale;

public class EmergencyTrapped extends AppCompatActivity implements LocationListener{

private String phNum="9822907191";

private Button butEmergencyOn;

LocationManager locationManager;

private String location2;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_emergency\_trapped);

butEmergencyOn=(Button)findViewById(R.id.btEmergencyOn);

if (ContextCompat.checkSelfPermission(getApplicationContext(),

android.Manifest.permission.ACCESS\_FINE\_LOCATION) != PackageManager.PERMISSION\_GRANTED

&& ActivityCompat.checkSelfPermission(getApplicationContext(),

android.Manifest.permission.ACCESS\_COARSE\_LOCATION) != PackageManager.PERMISSION\_GRANTED)

{

ActivityCompat.requestPermissions(this, new String[]{android.Manifest.permission.ACCESS\_FINE\_LOCATION,

android.Manifest.permission.ACCESS\_COARSE\_LOCATION}, 101);

}

butEmergencyOn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

getLocation();

StringBuffer Msg = new StringBuffer("HELP!, I am trapped in my Car near : Near Akurdi Railway Station Road, Sector-26, Pradhikaran, Nigdi, Pimpri-Chinchwad, Maharashtra 411044");

try {

SmsManager smsManager = SmsManager.getDefault();

smsManager.sendTextMessage(phNum, null, Msg.toString(), null, null);

Toast.makeText(getApplicationContext(), "Message Sent!!", Toast.LENGTH\_LONG).show();

} catch (Exception e) {

e.printStackTrace();

}

Intent intent = new Intent(Intent.ACTION\_CALL);

intent.setData(Uri.parse("tel:" + phNum));

if (ActivityCompat.checkSelfPermission(EmergencyTrapped.this, Manifest.permission.CALL\_PHONE) != 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;

}

startActivity(intent);

}

});

}

void getLocation(){

try {

locationManager = (LocationManager) getSystemService(Context.LOCATION\_SERVICE);

locationManager.requestLocationUpdates(LocationManager.NETWORK\_PROVIDER, 5000, 5, this);

}

catch(SecurityException e) {

e.printStackTrace();

}

}

@Override

public void onLocationChanged(Location location) {

//locationText.setText("Latitude: " + location.getLatitude() + "\n Longitude: " + location.getLongitude());

//String location1="Latitude: " + location.getLatitude() + "\n Longitude: " + location.getLongitude();

try {

Geocoder geocoder = new Geocoder(this, Locale.getDefault());

List<Address> addresses = geocoder.getFromLocation(location.getLatitude(), location.getLongitude(), 1);

// locationText.setText(locationText.getText() + "\n"+addresses.get(0).getAddressLine(0)+", "+addresses.get(0).getAddressLine(1)+", "+addresses.get(0).getAddressLine(2));

//location2=addresses.get(0).getAddressLine(0)+", "+addresses.get(0).getAddressLine(1)+", "+addresses.get(0).getAddressLine(2);

location2=addresses.toString();

}catch(Exception e)

{

}

}

@Override

public void onStatusChanged(String s, int i, Bundle bundle) {

}

@Override

public void onProviderEnabled(String s) {

Toast.makeText(EmergencyTrapped.this, "Please Enable GPS and Internet", Toast.LENGTH\_SHORT).show();

}

@Override

public void onProviderDisabled(String s) {

}

}

==============================================================================

ExploreAroundMe.java

package com.smartcarassistant;

import android.\*;

import android.Manifest;

import android.content.Intent;

import android.content.pm.PackageManager;

import android.location.Location;

import android.os.Build;

import android.support.annotation.NonNull;

import android.support.annotation.Nullable;

import android.support.design.widget.BottomNavigationView;

import android.support.v4.app.ActivityCompat;

import android.support.v4.app.FragmentActivity;

import android.os.Bundle;

import android.support.v4.content.ContextCompat;

import android.util.Log;

import android.view.MenuItem;

import android.widget.Toast;

import com.google.android.gms.common.ConnectionResult;

import com.google.android.gms.common.api.GoogleApiClient;

import com.google.android.gms.location.LocationListener;

import com.google.android.gms.location.LocationRequest;

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.BitmapDescriptorFactory;

import com.google.android.gms.maps.model.LatLng;

import com.google.android.gms.maps.model.Marker;

import com.google.android.gms.maps.model.MarkerOptions;

import com.smartcarassistant.Model.Results;

import com.smartcarassistant.Model.myPlaces;

import com.smartcarassistant.Remote.IGoogleAPIService;

import retrofit2.Call;

import retrofit2.Callback;

import retrofit2.Response;

public class ExploreAroundme extends FragmentActivity implements OnMapReadyCallback,

GoogleApiClient.ConnectionCallbacks,

GoogleApiClient.OnConnectionFailedListener,

LocationListener{

private static final int MY\_PERMISSION\_CODE = 1000;

private GoogleMap mMap;

private GoogleApiClient mGoogleAPIClient;

public double latitude, longitude;

private Location mLastLocation;

private Marker mMarker;

private LocationRequest mLocationRequest;

IGoogleAPIService mService;

myPlaces currentPlace;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

try

{

setContentView(R.layout.activity\_explore\_aroundme);

// 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);

//Init Service

mService=Common.getGoogleAPIService();

//Request Runtime Permission

if(Build.VERSION.SDK\_INT >= Build.VERSION\_CODES.M){

checkLocationPermission();

}

BottomNavigationView bottomNavigationView=(BottomNavigationView)findViewById(R.id.bottomNavigation);

bottomNavigationView.setOnNavigationItemSelectedListener(new BottomNavigationView.OnNavigationItemSelectedListener() {

@Override

public boolean onNavigationItemSelected(@NonNull MenuItem item) {

switch(item.getItemId())

{

case R.id.action\_hospital:

nearbyPlace("hospital");

nearbyPlace("dentist");

nearbyPlace("doctor");

break;

case R.id.action\_fuel:

nearbyPlace("gas\_station");

break;

case R.id.action\_service:

nearbyPlace("car\_repair");

nearbyPlace("car\_wash");

break;

case R.id.action\_market:

nearbyPlace("supermarket");

break;

case R.id.action\_restaurant:

nearbyPlace("restaurant");

nearbyPlace("cafe");

break;

default:

break;

}

return true;

}

});

}

catch (Exception e){

FileLog.e(e);

}

}

private void nearbyPlace(final String placeType) {

mMap.clear();

String url = getURL(latitude,longitude,placeType);

mService.getNearbyPlaces(url)

.enqueue(new Callback<myPlaces>() {

@Override

public void onResponse(Call<myPlaces> call, Response<myPlaces> response) {

currentPlace=response.body();

if(response.isSuccessful())

{

for(int i=0;i<response.body().getResults().length;i++)

{

MarkerOptions markerOptions= new MarkerOptions();

Results googlePlace=response.body().getResults()[i];

Double lat=Double.parseDouble(googlePlace.getGeometry().getLocation().getLat());

Double lng=Double.parseDouble(googlePlace.getGeometry().getLocation().getLng());

String placeName=googlePlace.getName();

String vicinity=googlePlace.getVicinity();

LatLng latLng=new LatLng(lat,lng);

markerOptions.position(latLng);

markerOptions.title(placeName);

if(placeType.equals("hospital")) {

markerOptions.icon(BitmapDescriptorFactory.fromResource(R.drawable.ic\_hospital));

}

else if(placeType.equals("dentist")) {

markerOptions.icon(BitmapDescriptorFactory.fromResource(R.drawable.ic\_hospital));

}

else if(placeType.equals("doctor")) {

markerOptions.icon(BitmapDescriptorFactory.fromResource(R.drawable.ic\_hospital));

}

else if(placeType.equals("gas\_station")) {

markerOptions.icon(BitmapDescriptorFactory.fromResource(R.drawable.ic\_fuel));

}

else if(placeType.equals("supermarket")){

markerOptions.icon(BitmapDescriptorFactory.fromResource(R.drawable.ic\_shopping));

}

else if(placeType.equals("restaurant")) {

markerOptions.icon(BitmapDescriptorFactory.fromResource(R.drawable.ic\_restaurant));

}

else if(placeType.equals("cafe")) {

markerOptions.icon(BitmapDescriptorFactory.fromResource(R.drawable.ic\_restaurant));

}

else if(placeType.equals("car\_repair")) {

markerOptions.icon(BitmapDescriptorFactory.fromResource(R.drawable.ic\_service));

}

else if(placeType.equals("car\_wash")) {

markerOptions.icon(BitmapDescriptorFactory.fromResource(R.drawable.ic\_service));

}

else{

markerOptions.icon(BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE\_RED));

}

markerOptions.snippet(String.valueOf(i)); //Assign index to each marker.

//add map marker

mMap.addMarker(markerOptions);

//move Camera

mMap.moveCamera(CameraUpdateFactory.newLatLng(latLng));

mMap.animateCamera(CameraUpdateFactory.zoomTo(11));

}

}

}

@Override

public void onFailure(Call<myPlaces> call, Throwable t) {

}

});

}

private String getURL(double latitude, double longitude, String placeType) {

StringBuilder googlePlacesURL=new StringBuilder("https://maps.googleapis.com/maps/api/place/nearbysearch/json?");

googlePlacesURL.append("location="+latitude+","+longitude);

googlePlacesURL.append("&radius="+10000);

googlePlacesURL.append("&type="+placeType);

googlePlacesURL.append("&sensor=true");

googlePlacesURL.append("&key="+getResources().getString(R.string.browser\_key));

Log.d("getUrl",googlePlacesURL.toString());

return googlePlacesURL.toString();

}

private boolean checkLocationPermission() {

if (ContextCompat.checkSelfPermission(this, Manifest.permission.ACCESS\_FINE\_LOCATION) != PackageManager.PERMISSION\_GRANTED)

{

if(ActivityCompat.shouldShowRequestPermissionRationale(this,Manifest.permission.ACCESS\_FINE\_LOCATION))

{

ActivityCompat.requestPermissions(this,new String[]{

Manifest.permission.ACCESS\_FINE\_LOCATION

},MY\_PERMISSION\_CODE);

}

else

{

ActivityCompat.requestPermissions(this,new String[]{

Manifest.permission.ACCESS\_FINE\_LOCATION

},MY\_PERMISSION\_CODE);

}

return false;

}

else {

return true;

}

}

@Override

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

switch (requestCode)

{

case MY\_PERMISSION\_CODE:

{

if(grantResults.length > 0 && grantResults[0]==PackageManager.PERMISSION\_GRANTED)

{

if(ContextCompat.checkSelfPermission(this,Manifest.permission.ACCESS\_FINE\_LOCATION) == PackageManager.PERMISSION\_GRANTED)

{

if(mGoogleAPIClient == null)

{

buildGoogleApiClient();

}

mMap.setMyLocationEnabled(true);

}

}

else

{

Toast.makeText(this,"Permission Denied!",Toast.LENGTH\_SHORT).show();

}

}

break;

}

}

/\*\*

\* Manipulates the map once available.

\* This callback is triggered when the map is ready to be used.

\* This is where we can add markers or lines, add listeners or move the camera. In this case,

\* we just add a marker near Sydney, Australia.

\* If Google Play services is not installed on the device, the user will be prompted to install

\* it inside the SupportMapFragment. This method will only be triggered once the user has

\* installed Google Play services and returned to the app.

\*/

@Override

public void onMapReady(GoogleMap googleMap) {

mMap = googleMap;

//First initialize Google Play Services

if(Build.VERSION.SDK\_INT >= Build.VERSION\_CODES.M) {

if (ContextCompat.checkSelfPermission(this, Manifest.permission.ACCESS\_FINE\_LOCATION) == PackageManager.PERMISSION\_GRANTED) {

buildGoogleApiClient();

mMap.setMyLocationEnabled(true);

}

}

else

{

buildGoogleApiClient();

mMap.setMyLocationEnabled(true);

}

//Event click on marker

mMap.setOnMarkerClickListener(new GoogleMap.OnMarkerClickListener() {

@Override

public boolean onMarkerClick(Marker marker) {

Common.currentResult= currentPlace.getResults()[Integer.parseInt(marker.getSnippet())];

startActivity(new Intent(ExploreAroundme.this,ViewPlace.class));

return true;

}

});

}

private synchronized void buildGoogleApiClient()

{

mGoogleAPIClient=new GoogleApiClient.Builder(this)

.addConnectionCallbacks(this)

.addOnConnectionFailedListener(this)

.addApi(LocationServices.API)

.build();

mGoogleAPIClient.connect();

}

@Override

public void onConnected(@Nullable Bundle bundle) {

mLocationRequest=new LocationRequest();

mLocationRequest.setInterval(1000);

mLocationRequest.setFastestInterval(1000);

mLocationRequest.setPriority(LocationRequest.PRIORITY\_BALANCED\_POWER\_ACCURACY);

if (ContextCompat.checkSelfPermission(this, Manifest.permission.ACCESS\_FINE\_LOCATION) == PackageManager.PERMISSION\_GRANTED){

LocationServices.FusedLocationApi.requestLocationUpdates(mGoogleAPIClient,mLocationRequest,this);

}

}

@Override

public void onConnectionSuspended(int i) {

mGoogleAPIClient.connect();

}

@Override

public void onConnectionFailed(@NonNull ConnectionResult connectionResult) {

}

@Override

public void onLocationChanged(Location location) {

mLastLocation=location;

if(mMarker!=null) {

mMarker.remove();

}

latitude=location.getLatitude();

longitude=location.getLongitude();

LatLng latLng=new LatLng(latitude,longitude);

MarkerOptions markerOptions=new MarkerOptions()

.position(latLng).title("Your Position")

.icon(BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE\_GREEN));

mMarker=mMap.addMarker(markerOptions);

mMap.moveCamera(CameraUpdateFactory.newLatLng(latLng));

mMap.animateCamera(CameraUpdateFactory.zoomTo(11));

if(mGoogleAPIClient!= null)

{

LocationServices.FusedLocationApi.removeLocationUpdates(mGoogleAPIClient,this);

}

}

}

=====================================================================================

FileLog.java

package com.smartcarassistant;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileOutputStream;

/\*\*

\* Created by Aniket on 28-Feb-18.

\*/

public class FileLog {

private static boolean DEBUG=true;

public static void write(String msg){

try{

if(DEBUG) {

File f=new File("/sdcard/log.txt");

FileInputStream fis=new FileInputStream(f);

byte[] b=new byte[(int)f.length()];

fis.read(b,0,b.length);

msg=new String(b,"UTF-8")+"\n"+msg;

FileOutputStream fos = new FileOutputStream(new File("/sdcard/log.txt"));

fos.write(msg.getBytes(), 0, msg.getBytes().length);

fos.close();

}else{

}

}catch (Exception e){

}

}

public static void e(Exception e){

write(e.getMessage());

}

public static void e(Throwable t){

write(t.getMessage());

}

}

======================================================================================

HealthLinkActivity.java

package com.smartcarassistant;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

public class HealthLinkActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_health\_link);

}

}

====================================================================================

LoginActivity.java

package com.smartcarassistant;

import android.content.Intent;

import android.support.annotation.NonNull;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import com.firebase.client.Firebase;

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;

public class LoginActivity extends AppCompatActivity {

private FirebaseAuth mauth;

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_login);

Firebase.setAndroidContext(this);

final EditText etEmail=(EditText)findViewById(R.id.editTextEmail);

final EditText etPassword=(EditText)findViewById(R.id.editTextPassword);

Button btLogin=(Button)findViewById(R.id.buttonLogin);

Button btSignUp=(Button)findViewById(R.id.buttonSignUp);

mauth=FirebaseAuth.getInstance();

//SIGNUP

btSignUp.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent intent=new Intent(LoginActivity.this,SignUpActivity.class);

startActivity(intent);

}

});

//LOGIN

btLogin.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String email=etEmail.getText().toString();

String password=etPassword.getText().toString();

mauth.signInWithEmailAndPassword(email,password).addOnCompleteListener(new OnCompleteListener<AuthResult>() {

@Override

public void onComplete(@NonNull Task<AuthResult> task) {

if(task.isSuccessful())

{

Toast.makeText(LoginActivity.this, "Login Successfull", Toast.LENGTH\_LONG).show();

Intent intent1=new Intent(LoginActivity.this,AppListActivity.class);

startActivity(intent1);

}

else{

Toast.makeText(LoginActivity.this, "Login Failed!!", Toast.LENGTH\_LONG).show();

}

}

});

}

});

}

}

====================================================================================

MonthlyExpenses.java

package com.smartcarassistant;

/\*\*

\* Created by lenovo on 26-02-2018.

\*/

public class Monthly\_Expenses {

String Petrol,Washing,Tyre,Parking,Total;

public Monthly\_Expenses(String petrol, String washing, String tyre, String parking, String total) {

Petrol = petrol;

Washing = washing;

Tyre = tyre;

Parking = parking;

Total = total;

}

public String getPetrol() {

return Petrol;

}

public String getWashing() {

return Washing;

}

public String getTyre() {

return Tyre;

}

public String getParking() {

return Parking;

}

public String getTotal() {

return Total;

}

}

============================================================================

MonthlyExpensesActivity.java

package com.smartcarassistant;

import android.graphics.Color;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.text.TextUtils;

import android.util.Log;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;

import com.firebase.client.Firebase;

import com.github.mikephil.charting.charts.PieChart;

import com.github.mikephil.charting.components.Legend;

import com.github.mikephil.charting.data.Entry;

import com.github.mikephil.charting.data.PieData;

import com.github.mikephil.charting.data.PieDataSet;

import com.github.mikephil.charting.data.PieEntry;

import com.github.mikephil.charting.highlight.Highlight;

import com.github.mikephil.charting.listener.OnChartValueSelectedListener;

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.Calendar;

public class MonthlyExpensesActivity extends AppCompatActivity {

FirebaseDatabase firebasedatabase;

DatabaseReference databaseReference;

private Firebase mref;

EditText etPetrol,etWashing,etTyre,etParking;

Button btDisplay,btPreviousExpenses,btAnalysis;

PieChart pieChart;

TextView tvResult,tvPrevResult;

int petrol,washing,tyre,parking;

int total=0;

Calendar c=Calendar.getInstance();

int Day=c.get(Calendar.DAY\_OF\_MONTH);

int Month=c.get(Calendar.MONTH);

int Month1=Month-1;

int Month2=Month+1;

int Year=c.get(Calendar.YEAR);

private static String TAG="MonthlyExpensesActivity";

//private float[] yData = {25.3f, 10.6f, 66.76f, 44.32f, 46.01f, 16.89f, 23.9f};

public int[] yData ;

private String[] xData={"Petrol","Tyre","Washing","Parking"};

String date=Day+"-"+Month+"-"+Year;

String date1=Day+"-"+Month1+"-"+Year;

String date2=Day+"-"+Month2+"-"+Year;

String id2="Monthly Expenses "+date;

String id3="Monthly Expenses "+date1;

String id4="Monthly Expenses "+date2;

int pt,pk,w,t;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

Firebase.setAndroidContext(this);

mref=new Firebase("https://smartcarassistant-6fa5b.firebaseio.com/");

setContentView(R.layout.activity\_monthly\_expenses);

etPetrol=(EditText)findViewById(R.id.editTextPetrol);

etWashing=(EditText)findViewById(R.id.editTextWashing);

etTyre=(EditText)findViewById(R.id.editTextTyre);

etParking=(EditText)findViewById(R.id.editTextParking);

tvResult=(TextView)findViewById(R.id.textviewresult);

btDisplay=(Button)findViewById(R.id.buttonDisplay);

btPreviousExpenses=(Button)findViewById(R.id.buttonPreviousExpenses);

btAnalysis=(Button)findViewById(R.id.buttonAnalysis);

tvPrevResult=(TextView)findViewById(R.id.textviewprevresult);

databaseReference = FirebaseDatabase.getInstance().getReference("Monthly\_Expenses");

//ref=FirebaseDatabase.getInstance().getReference();

//ref1=ref.child("smartcarassistant-6fa5b").child("Monthly\_Expenses").child(id2).child("previous expenses");

Log.d(TAG,"onCreate:starting to create chart");

pieChart=(PieChart)findViewById(R.id.piechartanalysis);

btDisplay.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

FirebaseDatabase database = FirebaseDatabase.getInstance();

petrol = Integer.parseInt(etPetrol.getText().toString());

parking = Integer.parseInt(etParking.getText().toString());

tyre = Integer.parseInt(etTyre.getText().toString());

washing = Integer.parseInt(etWashing.getText().toString());

yData= new int[]{petrol, parking, washing, tyre};

total = total+petrol + parking + tyre + washing;

Myarray();

tvResult.setText(Integer.toString(total));

}

});

btPreviousExpenses.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

databaseReference.child(id2).child("previous expenses").addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(DataSnapshot dataSnapshot) {

String value=dataSnapshot.getValue(String.class);

tvPrevResult.setText(value);

}

@Override

public void onCancelled(DatabaseError databaseError) {

}

});

}

});

// pieChart.setDescription("Sales by employee (In Thousands $) ");

pieChart.setRotationEnabled(true);

//pieChart.setUsePercentValues(true);

//pieChart.setHoleColor(Color.BLUE);

//pieChart.setCenterTextColor(Color.BLACK);

pieChart.setHoleRadius(25f);

pieChart.setTransparentCircleAlpha(0);

pieChart.setCenterText("Analysis");

pieChart.setCenterTextSize(10);

//pieChart.setDrawEntryLabels(true);

//pieChart.setEntryLabelTextSize(20);

//More options just check out the documentation!

btAnalysis.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

addDataSet();

}

});

pieChart.setOnChartValueSelectedListener(new OnChartValueSelectedListener() {

@Override

public void onValueSelected(Entry e, Highlight h) {

Log.d(TAG, "onValueSelected: Value select from chart.");

Log.d(TAG, "onValueSelected: " + e.toString());

Log.d(TAG, "onValueSelected: " + h.toString());

int pos1 = e.toString().indexOf("(sum): ");

String sales = e.toString().substring(pos1 + 7);

for(int i = 0; i < yData.length; i++){

if(yData[i] == Integer.parseInt(sales)){

pos1 = i;

break;

}

}

String employee = xData[pos1 + 1];

Toast.makeText(MonthlyExpensesActivity.this, "Employee " + employee + "\n" + "Sales: $" + sales + "K", Toast.LENGTH\_LONG).show();

}

@Override

public void onNothingSelected() {

}

});

}

private void addDataSet() {

Log.d(TAG,"addDataset started");

ArrayList<PieEntry> yEntrys = new ArrayList<>();

ArrayList<String> xEntrys = new ArrayList<>();

for(int i = 0; i < yData.length; i++){

yEntrys.add(new PieEntry(yData[i] , i));

}

for(int i = 1; i < xData.length; i++){

xEntrys.add(xData[i]);

}

PieDataSet pieDataSet = new PieDataSet(yEntrys, "Analyze your expenses");

pieDataSet.setSliceSpace(2);

pieDataSet.setValueTextSize(7);

//add colors to dataset

ArrayList<Integer> colors = new ArrayList<>();

colors.add(Color.GRAY);

colors.add(Color.BLUE);

colors.add(Color.RED);

colors.add(Color.GREEN);

//colors.add(Color.CYAN);

// colors.add(Color.YELLOW);

// colors.add(Color.MAGENTA);

pieDataSet.setColors(colors);

//add legend to chart

Legend legend = pieChart.getLegend();

legend.setForm(Legend.LegendForm.CIRCLE);

legend.setPosition(Legend.LegendPosition.LEFT\_OF\_CHART);

//create pie data object

PieData pieData = new PieData(pieDataSet);

pieChart.setData(pieData);

pieChart.invalidate();

}

private void Myarray()

{

String Petrol=etPetrol.getText().toString().trim();

String Parking=etParking.getText().toString().trim();

String Tyre=etTyre.getText().toString().trim();

String Washing=etWashing.getText().toString().trim();

String Total=Integer.toString(total);

if (TextUtils.isEmpty(Petrol)){

Toast.makeText(this,"Please Enter Petrol Cost",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(Parking)){

Toast.makeText(this,"Please Enter Parking Cost",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(Washing)){

Toast.makeText(this,"Please Enter Washing Cost",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(Tyre)){

Toast.makeText(this,"Please Enter Tyre Cost",Toast.LENGTH\_LONG).show();

}else{

Monthly\_Expenses monthly\_expenses=new Monthly\_Expenses(Petrol,Washing,Tyre,Parking,Total);

databaseReference.child(id2).child("petrol").setValue(Petrol.toString());

databaseReference.child(id2).child("washing").setValue(Washing.toString());

databaseReference.child(id2).child("tyre").setValue(Tyre.toString());

databaseReference.child(id2).child("parking").setValue(Parking.toString());

databaseReference.child(id2).child("total").setValue(Total.toString());

String val="100";

databaseReference.child(id2).child("previous expenses").setValue(val);

//databaseReference.child("value").setValue(val);

Toast.makeText(this,"Data added..",Toast.LENGTH\_LONG).show();

ClearText();

}

}

private void ClearText(){

etPetrol.setText("");

etWashing.setText("");

etTyre.setText("");

etParking.setText("");

tvResult.setText("");

}

}

==============================================================================

MyReceiver.java

package com.smartcarassistant;

import android.content.BroadcastReceiver;

import android.content.Context;

import android.content.Intent;

import android.os.Bundle;

import android.util.Log;

/\*\*

\* Created by lenovo on 25-02-2018.

\*/

public class MyReceiver extends BroadcastReceiver {

public void onReceive(Context context, Intent intent)

{

String str2;

Bundle bundle=intent.getExtras();

str2=bundle.getString("key");

/\*Intent service1 = new Intent(context, MyAlarmService.class);

context.startService(service1);\*/

Log.d("App", "called receiver method");

try{

if(str2.equals("PUC"))

{

Utils.generatePUCNotification(context);

}

else if(str2.equals("Car Servicing"))

{

Utils.generateCarServicingNotification(context);

}

else if(str2.equals("Petrol"))

{

Utils.generatePetrolNotification(context);

}

else if(str2.equals("Tyre"))

{

Utils.generateTyreNotification(context);

}

else

{

Log.d("App", "wrong input");

}

}catch(Exception e){

e.printStackTrace();

}

}

}

=====================================================================================

NotificationActivity.java

package com.smartcarassistant;

import android.app.AlarmManager;

import android.app.PendingIntent;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.Spinner;

import android.widget.TimePicker;

import java.util.Calendar;

public class NotificationActivity extends AppCompatActivity implements AdapterView.OnItemSelectedListener{

public String str1;

private PendingIntent pendingIntent;

Button btnotify;

DatePicker dp;

TimePicker tp;

Spinner sp;

MyReceiver myrec;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_notification);

btnotify=(Button)findViewById(R.id.btNotify);

dp=(DatePicker)findViewById(R.id.datePicker);

tp=(TimePicker)findViewById(R.id.timePicker);

sp=(Spinner)findViewById(R.id.spinner);

myrec=new MyReceiver();

//String[] features=new String[]{"PUC","Car Servicing","Petrol","Tyre"};

//ArrayAdapter<String> adapter=new ArrayAdapter<>(this,R.layout.support\_simple\_spinner\_dropdown\_item,features);

//sp.setAdapter(adapter);

ArrayAdapter<CharSequence> adapter= ArrayAdapter.createFromResource(this,R.array.Features,R.layout.support\_simple\_spinner\_dropdown\_item);

adapter.setDropDownViewResource(R.layout.support\_simple\_spinner\_dropdown\_item);

sp.setAdapter(adapter);

sp.setOnItemSelectedListener(this);

btnotify.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Calendar calendar = Calendar.getInstance();

calendar.set(Calendar.YEAR, dp.getYear());

calendar.set(Calendar.MONTH, dp.getMonth());

calendar.set(Calendar.DAY\_OF\_MONTH, dp.getDayOfMonth());

calendar.set(Calendar.HOUR\_OF\_DAY, tp.getCurrentHour());

calendar.set(Calendar.MINUTE, tp.getCurrentMinute());

calendar.set(Calendar.SECOND, 0);

calendar.set(Calendar.AM\_PM,Calendar.PM);

calendar.set(Calendar.AM\_PM,Calendar.AM);

Intent myIntent = new Intent(NotificationActivity.this, MyReceiver.class);

myIntent.putExtra("key",str1);

myrec.onReceive(NotificationActivity.this,myIntent);

pendingIntent = PendingIntent.getBroadcast(NotificationActivity.this, 0, myIntent,0);

AlarmManager alarmManager = (AlarmManager)getSystemService(ALARM\_SERVICE);

alarmManager.set(AlarmManager.RTC, calendar.getTimeInMillis(), pendingIntent);

}

});

}

@Override

public void onItemSelected(AdapterView<?> adapterView, View view, int position, long l) {

str1=adapterView.getItemAtPosition(position).toString();

}

@Override

public void onNothingSelected(AdapterView<?> adapterView) {

}

}

=====================================================================================

MoodyMusicPlayerActivity.java

package com.smartcarassistant;

import android.content.ActivityNotFoundException;

import android.content.Intent;

import android.speech.RecognizerIntent;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.ImageButton;

import android.widget.ImageView;

import android.widget.TextView;

import android.widget.Toast;

import java.util.ArrayList;

import java.util.Locale;

public class MoodyMusicPlayerActivity extends AppCompatActivity {

ImageButton btspeak;

TextView tvresult;

ArrayList<String> result;

String strres;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_moody\_music\_player);

btspeak=(ImageButton)findViewById(R.id.butspeak);

tvresult=(TextView)findViewById(R.id.textView);

btspeak.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

if(view.getId()==(R.id.butspeak))

{

PromptInputSpeech();

}

}

});

}

public void PromptInputSpeech()

{

Intent i=new Intent(RecognizerIntent.ACTION\_RECOGNIZE\_SPEECH);

i.putExtra(RecognizerIntent.EXTRA\_LANGUAGE\_MODEL,RecognizerIntent.LANGUAGE\_MODEL\_FREE\_FORM);

i.putExtra(RecognizerIntent.EXTRA\_LANGUAGE, Locale.getDefault());

i.putExtra(RecognizerIntent.EXTRA\_PROMPT,"Say Something..");

try

{

startActivityForResult(i,100);

}

catch(ActivityNotFoundException e)

{

Toast.makeText(MoodyMusicPlayerActivity.this,"CHECK",Toast.LENGTH\_LONG).show();

}

}

public void onActivityResult(int requestcode,int resultcode,Intent intent)

{

super.onActivityResult(requestcode,resultcode,intent);

switch (requestcode)

{

case 100:if(resultcode ==RESULT\_OK && intent!=null)

{

result=intent.getStringArrayListExtra(RecognizerIntent.EXTRA\_RESULTS);

tvresult.setText(result.get(0));

Toast.makeText(MoodyMusicPlayerActivity.this,result.get(0),Toast.LENGTH\_SHORT).show();

strres=result.get(0);

Intent i=new Intent(MoodyMusicPlayerActivity.this,Song\_ListActivity.class);

i.putExtra("key",strres);

startActivity(i);

}

break;

}

}

}

=====================================================================

PlayerActivity.java

package com.smartcarassistant;

import android.content.Intent;

import android.media.MediaPlayer;

import android.net.Uri;

import android.os.Bundle;

import android.support.design.widget.FloatingActionButton;

import android.support.design.widget.Snackbar;

import android.support.v7.app.AppCompatActivity;

import android.support.v7.widget.Toolbar;

import android.view.View;

import android.widget.Button;

import android.widget.SeekBar;

import java.io.File;

import java.util.ArrayList;

public class PlayerActivity extends AppCompatActivity implements View.OnClickListener{

MediaPlayer mp;

ArrayList<File> mySongs;

SeekBar sb;

int position;

Thread updateSeekBar;

Uri u;

Button btPLAY,btFF,btFB,btNEXT,btPREV;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_player);

Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);

setSupportActionBar(toolbar);

FloatingActionButton fab = (FloatingActionButton) findViewById(R.id.fab);

fab.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Snackbar.make(view, "Replace with your own action", Snackbar.LENGTH\_LONG)

.setAction("Action", null).show();

}

});

btPLAY=(Button)findViewById(R.id.btStop);

btFF=(Button)findViewById(R.id.btFf);

btFB=(Button)findViewById(R.id.btFb);

btNEXT=(Button)findViewById(R.id.btNext);

btPREV=(Button)findViewById(R.id.btPrev);

btPLAY.setOnClickListener(this);

btFB.setOnClickListener(this);

btFF.setOnClickListener(this);

btNEXT.setOnClickListener(this);

btPREV.setOnClickListener(this);

sb= (SeekBar)findViewById(R.id.skBar);

updateSeekBar=new Thread(){

public void run(){

int totalDuration=mp.getDuration();

int currentPosition=0;

while (currentPosition<totalDuration){

try {

sleep(500);

currentPosition=mp.getCurrentPosition();

sb.setProgress(currentPosition);

} catch (InterruptedException e) {

e.printStackTrace();

}

}

// super.run();

}

};

if(mp!=null){

mp.stop();

mp.release();

}

Intent i= getIntent();

Bundle b=i.getExtras();

ArrayList<File> mySongs = (ArrayList)b.getParcelableArrayList("songlist");

position = b.getInt("pos",0);

Uri u= Uri.parse(mySongs.get(position).toString());

mp = MediaPlayer.create(getApplicationContext(),u);

mp.start();

sb.setMax(mp.getDuration());

updateSeekBar.start();

sb.setOnSeekBarChangeListener(new SeekBar.OnSeekBarChangeListener() {

@Override

public void onProgressChanged(SeekBar seekBar, int progress, boolean fromUser) {

}

@Override

public void onStartTrackingTouch(SeekBar seekBar) {

}

@Override

public void onStopTrackingTouch(SeekBar seekBar) {

mp.seekTo(seekBar.getProgress());

}

});

}

@Override

public void onClick(View v) {

int id=v.getId();

switch (id){

case R.id.btStop :

if (mp.isPlaying()){

btPLAY.setText(">");

mp.pause();

}else{

mp.start();

btPLAY.setText("||");

}

break;

case R.id.btFf :

mp.seekTo(mp.getCurrentPosition()+5000);

break;

case R.id.btFb :

mp.seekTo(mp.getCurrentPosition()-5000);

break;

case R.id.btNext :

mp.stop();

mp.release();

position=(position+1)%mySongs.size();

u= Uri.parse(mySongs.get(position).toString());

mp = MediaPlayer.create(getApplicationContext(),u);

mp.start();

sb.setMax(mp.getDuration());

break;

case R.id.btPrev :

mp.stop();

mp.release();

position=(position-1<0)? mySongs.size()-1 : position-1;

u= Uri.parse(mySongs.get(position).toString());

mp = MediaPlayer.create(getApplicationContext(),u);

mp.start();

sb.setMax(mp.getDuration());

break;

}

}

}

==================================================================================

SalesPurchaseActivity.java

package com.smartcarassistant;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

public class SalesPurchaseActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_sales\_purchase);

}

}

-===========================================================================

SignUpActivity.java

package com.smartcarassistant;

import android.content.Intent;

import android.support.annotation.NonNull;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.text.TextUtils;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import com.firebase.client.Firebase;

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.DatabaseReference;

import com.google.firebase.database.FirebaseDatabase;

public class SignUpActivity extends AppCompatActivity {

FirebaseDatabase firebasedatabase;

DatabaseReference databaseReference;

EditText etName, etEmail,etMobNo,etCarNo,etDOP,etSUsername,etFavSeason,etCity,etState;

Button btSubmit;

EditText etPwd,etCfPwd;

private Firebase mref;

private FirebaseAuth mauth;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_sign\_up);

Firebase.setAndroidContext(this);

mref=new Firebase("https://smartcarassistant-6fa5b.firebaseio.com/");

mauth=FirebaseAuth.getInstance();

etName = (EditText) findViewById(R.id.editTextName);

etEmail = (EditText) findViewById(R.id.editTextEmail);

etMobNo = (EditText) findViewById(R.id.editTextMobNo);

etCarNo = (EditText) findViewById(R.id.editTextCarNo);

etDOP = (EditText) findViewById(R.id.editTextDOP);

etSUsername = (EditText) findViewById(R.id.editTextSUsername);

etPwd = (EditText) findViewById(R.id.editTextPwd);

etCfPwd = (EditText) findViewById(R.id.editTextCfPwd);

etFavSeason = (EditText) findViewById(R.id.editTextFavSeason);

etCity = (EditText) findViewById(R.id.editTextCity);

etState = (EditText) findViewById(R.id.editTextState);

btSubmit = (Button) findViewById(R.id.buttonSubmit);

databaseReference = FirebaseDatabase.getInstance().getReference("Car\_user");

btSubmit.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

FirebaseDatabase database = FirebaseDatabase.getInstance();

DatabaseReference myRef = database.getReference("message");

MyArray();

}

});

}

private void MyArray(){

String name=etName.getText().toString().trim();

String email=etEmail.getText().toString().trim();

String mobileno=etMobNo.getText().toString().trim();

String carno=etCarNo.getText().toString().trim();

String dop=etDOP.getText().toString().trim();

String username=etSUsername.getText().toString().trim();

String password=etPwd.getText().toString().trim();

String confirmpassword=etCfPwd.getText().toString().trim();

String favseason=etFavSeason.getText().toString().trim();

String city=etCity.getText().toString().trim();

String state=etState.getText().toString().trim();

if (TextUtils.isEmpty(name)){

Toast.makeText(this,"Please enter name",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(email)){

Toast.makeText(this,"Please enter email",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(mobileno)){

Toast.makeText(this,"Please enter mobile number",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(carno)){

Toast.makeText(this,"Please enter car number",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(dop)){

Toast.makeText(this,"Please enter date of purchase",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(username)){

Toast.makeText(this,"Please enter username",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(password)){

Toast.makeText(this,"Please enter password",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(confirmpassword)){

Toast.makeText(this,"Please confirm password",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(favseason)){

Toast.makeText(this,"Please enter Favourite Season",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(city)){

Toast.makeText(this,"Please enter city",Toast.LENGTH\_LONG).show();

}else if(TextUtils.isEmpty(state)){

Toast.makeText(this,"Please enter state",Toast.LENGTH\_LONG).show();

}else if(!password.equals(confirmpassword))

{

Toast.makeText(this,"Check Password",Toast.LENGTH\_LONG).show();

}

else{

String id1=username;

Car\_user car\_user=new Car\_user( name, email, mobileno, carno, dop, username, password, confirmpassword);

databaseReference.child(id1).child("name").setValue(name.toString());

databaseReference.child(id1).child("email").setValue(email.toString());

databaseReference.child(id1).child("mobileno").setValue(mobileno.toString());

databaseReference.child(id1).child("carno").setValue(carno.toString());

databaseReference.child(id1).child("dop").setValue(dop.toString());

databaseReference.child(id1).child("username").setValue(username.toString());

databaseReference.child(id1).child("password").setValue(password.toString());

databaseReference.child(id1).child("confirmpassword").setValue(confirmpassword.toString());

databaseReference.child(id1).child("favseason").setValue(favseason.toString());

databaseReference.child(id1).child("city").setValue(city.toString());

databaseReference.child(id1).child("state").setValue(state.toString());

Register();

Toast.makeText(this,"User added..",Toast.LENGTH\_LONG).show();

ClearText();

}

}

private void Register() {

String email=etEmail.getText().toString().trim();

String password=etPwd.getText().toString().trim();

if(TextUtils.isEmpty(email) || TextUtils.isEmpty(password)){

Toast.makeText(SignUpActivity.this,"Empty",Toast.LENGTH\_LONG).show();

return;//Stops the funnc from executing further

}

mauth.createUserWithEmailAndPassword(email, password).addOnCompleteListener(new OnCompleteListener<AuthResult>() {

@Override

public void onComplete(@NonNull Task<AuthResult> task) {

if (task.isSuccessful()) {

Toast.makeText(SignUpActivity.this, "Registered successfully", Toast.LENGTH\_LONG).show();

}

else

{

Toast.makeText(SignUpActivity.this, "Registration failed", Toast.LENGTH\_LONG).show();

}

}

});

}

private void ClearText(){

etName.setText("");

etEmail.setText("");

etMobNo.setText("");

etCarNo.setText("");

etDOP.setText("");

etSUsername.setText("");

etPwd.setText("");

etCfPwd.setText("");

etFavSeason.setText("");

etCity.setText("");

etState.setText("");

}

}

=======================================================================================

Utils.java

package com.smartcarassistant;

import android.app.NotificationManager;

import android.app.PendingIntent;

import android.app.TaskStackBuilder;

import android.content.Context;

import android.content.Intent;

import android.graphics.Bitmap;

import android.graphics.BitmapFactory;

import android.support.v4.app.NotificationCompat;

/\*\*

\* Created by lenovo on 25-02-2018.

\*/

public class Utils extends NotificationActivity {

public static NotificationManager mManager;

private String str;

@SuppressWarnings("static-access")

public static void generatePUCNotification(Context context) {

NotificationCompat.Builder nb = new NotificationCompat.Builder(context, "str");

nb.setSmallIcon(R.mipmap.ic\_launcher);

nb.setContentTitle("PUC Renewal");

nb.setContentText("PUC");

nb.setTicker("Take a look");

nb.setAutoCancel(true);

//get the bitmap to show in notification bar

Bitmap bitmap\_image = BitmapFactory.decodeResource(context.getResources(), R.mipmap.ic\_launcher);

NotificationCompat.BigPictureStyle s = new NotificationCompat.BigPictureStyle().bigPicture(bitmap\_image);

s.setSummaryText("PUC Renewal coming soon");

nb.setStyle(s);

Intent resultIntent = new Intent(context, NotificationActivity.class);

TaskStackBuilder TSB = TaskStackBuilder.create(context);

TSB.addParentStack(NotificationActivity.class);

// Adds the Intent that starts the Activity to the top of the stack

TSB.addNextIntent(resultIntent);

PendingIntent resultPendingIntent =

TSB.getPendingIntent(

0,

PendingIntent.FLAG\_UPDATE\_CURRENT

);

nb.setContentIntent(resultPendingIntent);

nb.setAutoCancel(true);

NotificationManager mNotificationManager =

(NotificationManager) context.getSystemService(Context.NOTIFICATION\_SERVICE);

// mId allows you to update the notification later on.

NotificationManager notificationManager =

(NotificationManager) context.getSystemService(Context.NOTIFICATION\_SERVICE);

notificationManager.notify(11221, nb.build());

}

@SuppressWarnings("static-access")

public static void generateCarServicingNotification(Context context) {

NotificationCompat.Builder nb = new NotificationCompat.Builder(context, "str");

nb.setSmallIcon(R.mipmap.ic\_launcher);

nb.setContentTitle("Car Servicing");

nb.setContentText("Car");

nb.setTicker("Take a look");

nb.setAutoCancel(true);

//get the bitmap to show in notification bar

Bitmap bitmap\_image = BitmapFactory.decodeResource(context.getResources(), R.mipmap.ic\_launcher);

NotificationCompat.BigPictureStyle s = new NotificationCompat.BigPictureStyle().bigPicture(bitmap\_image);

s.setSummaryText("Car Servicing date ahead");

nb.setStyle(s);

Intent resultIntent = new Intent(context, NotificationActivity.class);

TaskStackBuilder TSB = TaskStackBuilder.create(context);

TSB.addParentStack(NotificationActivity.class);

// Adds the Intent that starts the Activity to the top of the stack

TSB.addNextIntent(resultIntent);

PendingIntent resultPendingIntent =

TSB.getPendingIntent(

0,

PendingIntent.FLAG\_UPDATE\_CURRENT

);

nb.setContentIntent(resultPendingIntent);

nb.setAutoCancel(true);

NotificationManager mNotificationManager =

(NotificationManager) context.getSystemService(Context.NOTIFICATION\_SERVICE);

// mId allows you to update the notification later on.

NotificationManager notificationManager =

(NotificationManager) context.getSystemService(Context.NOTIFICATION\_SERVICE);

notificationManager.notify(11221, nb.build());

}

@SuppressWarnings("static-access")

public static void generatePetrolNotification(Context context) {

NotificationCompat.Builder nb = new NotificationCompat.Builder(context, "str");

nb.setSmallIcon(R.mipmap.ic\_launcher);

nb.setContentTitle("Petrol Check");

nb.setContentText("Petrol");

nb.setTicker("Take a look");

nb.setAutoCancel(true);

//get the bitmap to show in notification bar

Bitmap bitmap\_image = BitmapFactory.decodeResource(context.getResources(), R.mipmap.ic\_launcher);

NotificationCompat.BigPictureStyle s = new NotificationCompat.BigPictureStyle().bigPicture(bitmap\_image);

s.setSummaryText("Please check your petrol");

nb.setStyle(s);

Intent resultIntent = new Intent(context, NotificationActivity.class);

TaskStackBuilder TSB = TaskStackBuilder.create(context);

TSB.addParentStack(NotificationActivity.class);

// Adds the Intent that starts the Activity to the top of the stack

TSB.addNextIntent(resultIntent);

PendingIntent resultPendingIntent =

TSB.getPendingIntent(

0,

PendingIntent.FLAG\_UPDATE\_CURRENT

);

nb.setContentIntent(resultPendingIntent);

nb.setAutoCancel(true);

NotificationManager mNotificationManager =

(NotificationManager) context.getSystemService(Context.NOTIFICATION\_SERVICE);

// mId allows you to update the notification later on.

NotificationManager notificationManager =

(NotificationManager) context.getSystemService(Context.NOTIFICATION\_SERVICE);

notificationManager.notify(11221, nb.build());

}

@SuppressWarnings("static-access")

public static void generateTyreNotification(Context context) {

NotificationCompat.Builder nb = new NotificationCompat.Builder(context, "str");

nb.setSmallIcon(R.mipmap.ic\_launcher);

nb.setContentTitle("Tyre ");

nb.setContentText("Tyre ");

nb.setTicker("Tyre");

nb.setAutoCancel(true);

//get the bitmap to show in notification bar

Bitmap bitmap\_image = BitmapFactory.decodeResource(context.getResources(), R.mipmap.ic\_launcher);

NotificationCompat.BigPictureStyle s = new NotificationCompat.BigPictureStyle().bigPicture(bitmap\_image);

s.setSummaryText("Please check your Tyre Pressure ");

nb.setStyle(s);

Intent resultIntent = new Intent(context, NotificationActivity.class);

TaskStackBuilder TSB = TaskStackBuilder.create(context);

TSB.addParentStack(NotificationActivity.class);

// Adds the Intent that starts the Activity to the top of the stack

TSB.addNextIntent(resultIntent);

PendingIntent resultPendingIntent =

TSB.getPendingIntent(

0,

PendingIntent.FLAG\_UPDATE\_CURRENT

);

nb.setContentIntent(resultPendingIntent);

nb.setAutoCancel(true);

NotificationManager mNotificationManager =

(NotificationManager) context.getSystemService(Context.NOTIFICATION\_SERVICE);

// mId allows you to update the notification later on.

NotificationManager notificationManager =

(NotificationManager) context.getSystemService(Context.NOTIFICATION\_SERVICE);

notificationManager.notify(11221, nb.build());

}

}

====================================================================================

ViewPlace.java

package com.smartcarassistant;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.text.TextUtils;

import android.view.View;

import android.widget.ImageView;

import android.widget.RatingBar;

import android.widget.TextView;

import com.smartcarassistant.Model.Photos;

import com.smartcarassistant.Model.PlaceDetail;

import com.smartcarassistant.Remote.IGoogleAPIService;

import com.squareup.picasso.Picasso;

import retrofit2.Call;

import retrofit2.Callback;

import retrofit2.Response;

public class ViewPlace extends AppCompatActivity {

ImageView photo;

RatingBar ratingBar;

TextView open\_hours,place\_address,place\_name;

IGoogleAPIService mService;

PlaceDetail mPlace;

@Override

protected void onCreate(Bundle savedInstanceState) {

try{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_view\_place);

mService=Common.getGoogleAPIService();

photo = (ImageView) findViewById(R.id.explorePhoto);

ratingBar = (RatingBar) findViewById(R.id.ratingBar);

open\_hours = (TextView)findViewById(R.id.openHours);

place\_address = (TextView) findViewById(R.id.placeAddress);

place\_name = (TextView) findViewById(R.id.placeName);

place\_address.setText("");

place\_address.setText("");

open\_hours.setText("");

if(Common.currentResult.getPhotos() != null && Common.currentResult.getPhotos().length > 0)

{

Picasso.with(this)

.load(getphotoOfPlace(Common.currentResult.getPhotos()[0].getPhoto\_reference(),1000))

//.placeholder(R.drawable.svg\_image)

//.error(R.drawable.svg\_error)

.into(photo);

}

if(Common.currentResult.getRating() != null && !TextUtils.isEmpty(Common.currentResult.getRating()))

{

ratingBar.setRating(Float.parseFloat(Common.currentResult.getRating()));

}

else

{

ratingBar.setVisibility(View.GONE);

}

if(Common.currentResult.getOpening\_hours() != null )

{

open\_hours.setText("Open Now : "+Common.currentResult.getOpening\_hours().getOpen\_now());

}

else

{

open\_hours.setVisibility(View.GONE);

}

mService.getdetailPlace((getPlaceDeatilUrl(Common.currentResult.getPlace\_id())))

.enqueue(new Callback<PlaceDetail>() {

@Override

public void onResponse(Call<PlaceDetail> call, Response<PlaceDetail> response) {

mPlace=response.body();

place\_address.setText(mPlace.getResult().getFormatted\_address());

place\_name.setText(mPlace.getResult().getName());

}

@Override

public void onFailure(Call<PlaceDetail> call, Throwable t) {

}

});

}catch (Exception e){

FileLog.e(e);

}

}

private String getPlaceDeatilUrl(String place\_id) {

StringBuilder url = new StringBuilder("https://maps.googleapis.com/maps/api/place/details/json");

url.append("?placeid="+place\_id);

url.append("&key="+getResources().getString(R.string.browser\_key));

return url.toString();

}

private String getphotoOfPlace(String photo\_reference,int maxWidth) {

StringBuilder url = new StringBuilder("https://maps.googleapis.com/maps/api/place/photo");

url.append("?maxwidth="+maxWidth);

url.append("&photoreference="+photo\_reference);

url.append("&key="+getResources().getString(R.string.browser\_key));

return url.toString();

}

}

==================================================================================