

```

1  package com.example.androidproject;
2
3  import androidx.annotation.NonNull;
4  import androidx.appcompat.app.AppCompatActivity;
5
6
7  import com.google.firebase.database.DataSnapshot;
8  import com.google.firebase.database.DatabaseError;
9  import com.google.firebase.database.DatabaseReference;
10 import com.google.firebase.database.FirebaseDatabase;
11 import com.google.firebase.database.ValueEventListener;
12
13 import android.content.Intent;
14 import android.os.Bundle;
15 import android.view.View;
16 import android.widget.Button;
17 import android.widget.CheckBox;
18
19
20 public class AddMood extends AppCompatActivity {
21
22     Button btnContinue, btnMenu;
23     CheckBox c1, c2, c3, c4, c5, c6, c7;
24     FirebaseDatabase database;
25     DatabaseReference reference;
26     MoodZone mZone;
27     long maxid = 0;
28
29     @Override
30     protected void onCreate(Bundle savedInstanceState) {
31         super.onCreate(savedInstanceState);
32         setContentView(R.layout.activity_add_mood);
33         btnMenu = findViewById(R.id.menu);
34         btnMenu.setOnClickListener(new View.OnClickListener() {
35             @Override
36             public void onClick(View v) {
37                 Intent openHome = new Intent(AddMood.this, HomeActivity.class);
38                 startActivity(openHome);
39             }
40         });
41
42
43         btnContinue = findViewById(R.id.btnContinue);
44         c1 = findViewById(R.id.Happy);
45         c2 = findViewById(R.id.Angry);
46         c3 = findViewById(R.id.Sad);
47         c4 = findViewById(R.id.inPain);
48         c5 = findViewById(R.id.meh);
49         c6 = findViewById(R.id.Amazing);
50         c7 = findViewById(R.id.Bored);
51
52         final String d1 = "Happy";
53         final String d2 = "Angry";
54         final String d3 = "Sad";
55         final String d4 = "In Pain";
56         final String d5 = "Meh";
57         final String d6 = "Amazing";
58         final String d7 = "Bored";
59
60         database = FirebaseDatabase.getInstance();
61         reference = database.getReference().child("MoodZone");
62         mZone = new MoodZone();
63
64         reference.addValueEventListener(new ValueEventListener() {
65             @Override
66             public void onDataChange(@NonNull DataSnapshot dataSnapshot) {
67                 if (dataSnapshot.exists()) {
68                     maxid = (int) dataSnapshot.getChildrenCount();
69                 }
70             }
71
72             @Override
73             public void onCancelled(@NonNull DatabaseError databaseError) {

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74     }
75 }
76 });
77
78
79 btnContinue.setOnClickListener(new View.OnClickListener() {
80     @Override
81     public void onClick(View v) {
82         if (c1.isChecked()) {
83             mZone.setMood(d1);
84             reference.child(String.valueOf((maxid))).setValue(mZone);
85             Intent myIntent = new Intent(AddMood.this, AddMood2.class);
86             myIntent.putExtra("maxid", maxid);
87             startActivity(myIntent);
88
89         } else {
90
91         }
92         if (c2.isChecked()) {
93             mZone.setMood(d2);
94             reference.child(String.valueOf((maxid))).setValue(mZone);
95             Intent myIntent = new Intent(AddMood.this, AddMood2.class);
96             myIntent.putExtra("maxid", maxid);
97             startActivity(myIntent);
98         } else {
99
100        }
101        if (c3.isChecked()) {
102            mZone.setMood(d3);
103            reference.child(String.valueOf((maxid))).setValue(mZone);
104            Intent myIntent = new Intent(AddMood.this, AddMood2.class);
105            myIntent.putExtra("maxid", maxid);
106            startActivity(myIntent);
107        } else {
108
109        }
110        if (c4.isChecked()) {
111            mZone.setMood(d4);
112            reference.child(String.valueOf((maxid))).setValue(mZone);
113            Intent myIntent = new Intent(AddMood.this, AddMood2.class);
114            myIntent.putExtra("maxid", maxid);
115            startActivity(myIntent);
116        } else {
117
118        }
119        if (c5.isChecked()) {
120            mZone.setMood(d5);
121            reference.child(String.valueOf((maxid))).setValue(mZone);
122            Intent myIntent = new Intent(AddMood.this, AddMood2.class);
123            myIntent.putExtra("maxid", maxid);
124            startActivity(myIntent);
125        } else {
126
127        }
128        if (c6.isChecked()) {
129            mZone.setMood(d6);
130            reference.child(String.valueOf((maxid))).setValue(mZone);
131            Intent myIntent = new Intent(AddMood.this, AddMood2.class);
132            myIntent.putExtra("maxid", maxid);
133            startActivity(myIntent);
134        } else {
135
136        }
137        if (c7.isChecked()) {
138            mZone.setMood(d7);
139            reference.child(String.valueOf((maxid))).setValue(mZone);
140            Intent myIntent = new Intent(AddMood.this, AddMood2.class);
141            myIntent.putExtra("maxid", maxid);
142            startActivity(myIntent);
143        } else {
144
145        }
146    }

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147         });
148
149         btnContinue.setOnLongClickListener(new View.OnLongClickListener() {
150             @Override
151             public boolean onLongClick(View v) {
152                 Intent launchAdd2 = new Intent(AddMood.this, AddMood2.class);
153                 startActivity(launchAdd2);
154                 return true;
155             }
156         });
157
158     }
159 }
160
```

```

1  package com.example.androidproject;
2
3  import androidx.annotation.NonNull;
4  import androidx.appcompat.app.AppCompatActivity;
5
6  import android.content.Intent;
7  import android.os.Bundle;
8  import android.view.View;
9  import android.widget.Button;
10 import android.widget.EditText;
11 import android.widget.RatingBar;
12 import android.widget.TextView;
13
14 import com.google.firebase.database.DatabaseReference;
15 import com.google.firebase.database.FirebaseDatabase;
16
17 import java.lang.ref.Reference;
18
19
20 public class AddMood2 extends AppCompatActivity {
21     EditText txtNote;
22     TextView txtRatingValue;
23     Button btnSubmit, btnMenu ;
24     RatingBar ratingBar ;
25     FirebaseDatabase database;
26     DatabaseReference reference;
27     MoodZone mZone;
28     //long maxid = 0;
29
30     @Override
31     protected void onCreate(Bundle savedInstanceState) {
32         super.onCreate(savedInstanceState);
33         setContentView(R.layout.activity_add_mood2);
34
35         txtNote = findViewById(R.id.notes_mood);
36
37         btnSubmit = findViewById(R.id.submitBtn);
38         btnMenu = findViewById(R.id.menu);
39
40         ratingBar = findViewById(R.id.ratingBar);
41         txtRatingValue = findViewById(R.id.txtRatingValue);
42
43         ratingBar.setOnRatingBarChangeListener(new
44         RatingBar.OnRatingBarChangeListener() {
45             @Override
46             public void onRatingChanged(RatingBar ratingBar, float rating, boolean
47             fromUser) {
48                 txtRatingValue.setText(String.valueOf(rating));
49             }
50         });
51
52         btnMenu.setOnClickListener(new View.OnClickListener() {
53             @Override
54             public void onClick(View v) {
55                 Intent openHome = new Intent(AddMood2.this, HomeActivity.class);
56                 startActivity(openHome);
57             }
58         });
59
60         Intent mIntent = getIntent();
61         long intValue = mIntent.getLongExtra("maxid", 1);
62         final String innnt = String.valueOf(intValue);
63
64         database = FirebaseDatabase.getInstance();
65         mZone = new MoodZone();
66         reference = database.getReference("MoodZone");
67
68         btnSubmit.setOnClickListener(new View.OnClickListener() {
69             @Override
70             public void onClick(View v) {
71                 String notes = txtNote.getText().toString();
72                 Float rating = ratingBar.getRating();

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72         mZone.setNotes(notes);
73         //mZone.setRating(rating);
74         reference.child(innt).child("notes").setValue(notes);
75         reference.child(innt).child("rating").setValue(rating);
76     }
77     });
78
79     btnSubmit.setOnLongClickListener(new View.OnLongClickListener() {
80         @Override
81         public boolean onLongClick(View v) {
82             Intent launchTrack = new Intent(AddMood2.this, TrackYourMood.class);
83             startActivity(launchTrack);
84             return true;
85         }
86     });
87 }
88 }
89 }
```

```

1  package com.example.androidproject;
2
3  import androidx.appcompat.app.AppCompatActivity;
4
5  import android.content.Intent;
6  import android.graphics.Paint;
7  import android.os.Bundle;
8  import android.view.View;
9  import android.widget.AdapterView;
10 import android.widget.AdapterView.OnItemClickListener;
11 import android.widget.ArrayAdapter;
12 import android.widget.Button;
13 import android.widget.EditText;
14 import android.widget.ListView;
15 import android.widget.TextView;
16
17 import java.util.ArrayList;
18 import java.util.List;
19
20 public class DiaryActivity extends AppCompatActivity {
21     List<String> toDoList;
22     ArrayAdapter<String> arrayAdapter;
23     ListView listView;
24     EditText editText;
25     Button btnMenu, btnCall;
26     @Override
27     protected void onCreate(Bundle savedInstanceState) {
28         super.onCreate(savedInstanceState);
29         setContentView(R.layout.activity_diary);
30         toDoList = new ArrayList<>();
31         arrayAdapter = new ArrayAdapter<>(this, R.layout.list_view_layout, toDoList);
32         listView = findViewById(R.id.id_list_view);
33
34         listView.setAdapter(arrayAdapter);
35         listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
36             @Override
37             public void onItemClick(AdapterView<?> parent, View view, int position,
38                                     long id) {
39                 TextView textView = (TextView) view;
40                 textView.setPaintFlags(textView.getPaintFlags() |
41                                     Paint.STRIKE_THRU_TEXT_FLAG);
42             }
43         });
44
45         editText = findViewById(R.id.id_edit_text);
46         btnMenu = (Button) findViewById(R.id.menu);
47
48         btnMenu.setOnClickListener(new View.OnClickListener() {
49             @Override
50             public void onClick(View v) {
51                 Intent openHome = new Intent(DiaryActivity.this, HomeActivity.class);
52                 startActivity(openHome);
53             }
54         });
55
56         public void addItemToList(View view) {
57             toDoList.add(editText.getText().toString());
58             arrayAdapter.notifyDataSetChanged();
59
60             editText.setText("");
61         }
62     }
63 }

```

```

1  package com.example.androidproject;
2
3  import androidx.appcompat.app.AppCompatActivity;
4
5  import android.content.Intent;
6  import android.os.Bundle;
7  import android.view.View;
8  import android.widget.Button;
9  import android.widget.Toast;
10
11 import com.google.firebase.auth.FirebaseAuth;
12
13 public class HomeActivity extends AppCompatActivity {
14     Button btnLogout,btnTrackMood,btnMaps,btnDiary,btnStudentMinds;
15     FirebaseAuth mFirebaseAuth;
16     private FirebaseAuth.AuthStateListener mAuthStateListener;
17
18     @Override
19     protected void onCreate(Bundle savedInstanceState) {
20         super.onCreate(savedInstanceState);
21         setContentView(R.layout.activity_home);
22         btnLogout = findViewById(R.id.logout);
23         btnTrackMood=findViewById(R.id.trackMood);
24         btnMaps=findViewById(R.id.maps);
25         btnDiary=findViewById(R.id.diary);
26         btnStudentMinds=findViewById(R.id.studentMinds);
27
28         btnLogout.setOnClickListener(new View.OnClickListener() {
29             @Override
30             public void onClick(View v) {
31                 FirebaseAuth.getInstance().signOut();
32                 Intent intToMain = new Intent(HomeActivity.this, MainActivity.class);
33                 startActivity(intToMain);
34             }
35         });
36
37         btnTrackMood.setOnClickListener(new View.OnClickListener() {
38             @Override
39             public void onClick(View v) {
40                 Intent openMood = new Intent(HomeActivity.this, TrackYourMood.class);
41                 startActivity(openMood);
42             }
43         });
44
45         btnMaps.setOnClickListener(new View.OnClickListener() {
46             @Override
47             public void onClick(View v) {
48                 Intent openMaps = new Intent(HomeActivity.this, MapsActivity.class);
49                 startActivity(openMaps);
50             }
51         });
52
53         btnStudentMinds.setOnClickListener(new View.OnClickListener() {
54             @Override
55             public void onClick(View v) {
56                 Intent openStudentMinds = new
57                 Intent(HomeActivity.this, StudentMindsActivity.class);
58                 startActivity(openStudentMinds);
59             }
60         });
61
62         btnDiary.setOnClickListener(new View.OnClickListener() {
63             @Override
64             public void onClick(View v) {
65                 Intent openDiary = new Intent(HomeActivity.this, DiaryActivity.class);
66                 startActivity(openDiary);
67             }
68         });
69     }
70 }

```

```

1  package com.example.androidproject;
2
3  import androidx.annotation.NonNull;
4  import androidx.appcompat.app.AppCompatActivity;
5
6  import android.content.Intent;
7  import android.os.Bundle;
8  import android.view.View;
9  import android.widget.Button;
10 import android.widget.EditText;
11 import android.widget.TextView;
12 import android.widget.Toast;
13
14 import com.google.android.gms.tasks.OnCompleteListener;
15 import com.google.android.gms.tasks.Task;
16 import com.google.firebase.auth.AuthResult;
17 import com.google.firebase.auth.FirebaseAuth;
18 import com.google.firebase.auth.FirebaseUser;
19
20 public class LoginActivity extends AppCompatActivity {
21     EditText emailId, password;
22     Button btnSignIn;
23     TextView tvSignUp;
24     FirebaseAuth mFirebaseAuth;
25     private FirebaseAuth.AuthStateListener mAuthStateListener;
26
27     @Override
28     protected void onCreate(Bundle savedInstanceState) {
29         super.onCreate(savedInstanceState);
30         setContentView(R.layout.activity_login);
31
32         mFirebaseAuth = FirebaseAuth.getInstance();
33         emailId = findViewById(R.id.editText);
34         password = findViewById(R.id.editText2);
35         btnSignIn = findViewById(R.id.button2);
36         tvSignUp = findViewById(R.id.textView1);
37
38         mAuthStateListener = new FirebaseAuth.AuthStateListener() {
39             //Using firebase auth listener to check whether user email id and
40             //password exist
41             //if exist then it logs in if not then it gives an error message.
42             @Override
43             public void onAuthStateChanged(@NonNull FirebaseAuth firebaseAuth) {
44                 FirebaseUser mFirebaseUser = mFirebaseAuth.getCurrentUser();
45                 if( mFirebaseUser != null ){
46                     Toast.makeText(LoginActivity.this,"You are logged
47                     in",Toast.LENGTH_SHORT).show();
48                     Intent i = new Intent(LoginActivity.this, HomeActivity.class);
49                     startActivity(i);
50                 }
51                 else{
52                     Toast.makeText(LoginActivity.this,"Please
53                     Login",Toast.LENGTH_SHORT).show();
54                 }
55             }
56         };
57         btnSignIn.setOnClickListener(new View.OnClickListener() {
58             @Override
59             public void onClick(View v) {
60                 String email = emailId.getText().toString();
61                 String pwd = password.getText().toString();
62                 if(email.isEmpty()){
63                     emailId.setError("Please enter email id");
64                     emailId.requestFocus();
65                 }
66                 else if(pwd.isEmpty()){
67                     password.setError("Please enter your password");
68                     password.requestFocus();
69                 }
70                 else if(email.isEmpty() && pwd.isEmpty()){
71                     Toast.makeText(LoginActivity.this,"Fields Are
72                     Empty!",Toast.LENGTH_SHORT).show();
73                 }
74             }
75         });
76     }
77 }

```



```

70         else if(!(email.isEmpty() && pwd.isEmpty())){
71             mFirebaseAuth.signInWithEmailAndPassword(email,
72                 pwd).addOnCompleteListener(LoginActivity.this, new
73                 OnCompleteListener<AuthResult>() {
74                     @Override
75                     public void onComplete(@NonNull Task<AuthResult> task) {
76                         if(!task.isSuccessful()){
77                             Toast.makeText(LoginActivity.this,"Login Error,
78                                 Please Login Again",Toast.LENGTH_SHORT).show();
79                         }
80                         else{
81                             Intent intToHome = new
82                                 Intent(LoginActivity.this,HomeActivity.class);
83                             startActivity(intToHome);
84                         }
85                     }
86                 });
87             }
88         }
89     });
90     //Set on click listener or text view to move to sign up screen
91     tvSignUp.setOnClickListener(new View.OnClickListener() {
92         @Override
93         public void onClick(View v) {
94             Intent intSignUp = new Intent(LoginActivity.this, MainActivity.class);
95             startActivity(intSignUp);
96         }
97     });
98 }
99
100 //Adding auth state listener
101 @Override
102 protected void onStart() {
103     super.onStart();
104     mFirebaseAuth.addAuthStateListener(mAuthStateListener);
105 }
106 }
107

```

```

1  package com.example.androidproject;
2
3  import androidx.annotation.NonNull;
4  import androidx.appcompat.app.AppCompatActivity;
5
6  import android.content.Intent;
7  import android.os.Bundle;
8  import android.view.View;
9  import android.widget.Button;
10 import android.widget.EditText;
11 import android.widget.TextView;
12 import android.widget.Toast;
13
14 import com.google.android.gms.tasks.OnCompleteListener;
15 import com.google.android.gms.tasks.Task;
16 import com.google.firebase.auth.AuthResult;
17 import com.google.firebase.auth.FirebaseAuth;
18
19 public class MainActivity extends AppCompatActivity {
20     EditText emailId, password;
21     Button btnSignUp;
22     TextView tvSignIn;
23     FirebaseAuth mFirebaseAuth;
24
25     @Override
26     protected void onCreate(Bundle savedInstanceState) {
27         super.onCreate(savedInstanceState);
28         setContentView(R.layout.activity_main);
29
30         mFirebaseAuth = FirebaseAuth.getInstance();
31         emailId = findViewById(R.id.editText);
32         password = findViewById(R.id.editText2);
33         btnSignUp = findViewById(R.id.button2);
34         tvSignIn = findViewById(R.id.textView2);
35         btnSignUp.setOnClickListener(new View.OnClickListener() {
36             @Override
37             public void onClick(View v) {
38                 String email = emailId.getText().toString();
39                 String pwd = password.getText().toString();
40                 if(email.isEmpty()){
41                     emailId.setError("*Please enter your username");
42                     emailId.requestFocus();
43                 }
44                 else if(pwd.isEmpty()){
45                     password.setError("*Please enter your password");
46                     password.requestFocus();
47                 }
48                 else if(email.isEmpty() && pwd.isEmpty()){
49                     Toast.makeText(MainActivity.this, "*Fields are
50 empty", Toast.LENGTH_SHORT).show();
51                 }
52                 else if(!(email.isEmpty() && pwd.isEmpty())){
53                     mFirebaseAuth.createUserWithEmailAndPassword(email,
54 pwd).addOnCompleteListener(MainActivity.this, new
55 OnCompleteListener<AuthResult>() {
56             @Override
57             public void onComplete(@NonNull Task<AuthResult> task) {
58                 if(!task.isSuccessful()){
59                     Toast.makeText(MainActivity.this, "SignUp
60 Unsuccessful, Please Try
61 Again", Toast.LENGTH_SHORT).show();
62                 }
63                 else {
64                     startActivity(new
65 Intent(MainActivity.this, HomeActivity.class));
66                 }
67             }
68         });
69     }
70     else{
71         Toast.makeText(MainActivity.this, "*Error
72 Occurred", Toast.LENGTH_SHORT).show();
73     }
74 }

```

```
67         }
68     }
69 });
70
71 tvSignIn.setOnClickListener(new View.OnClickListener() {
72     @Override
73     public void onClick(View v) {
74         Intent i = new Intent(MainActivity.this, LoginActivity.class);
75         startActivity(i);
76     }
77 });
78
79 }
80 }
81
82
```

```

1  package com.example.androidproject;
2
3  import androidx.annotation.NonNull;
4  import androidx.appcompat.app.AppCompatActivity;
5  import androidx.core.app.ActivityCompat;
6  import androidx.core.content.ContextCompat;
7  import androidx.fragment.app.FragmentActivity;
8
9  import android.Manifest;
10 import android.content.pm.PackageManager;
11 import android.content.res.Resources;
12 import android.os.Bundle;
13 import android.util.Log;
14 import android.view.Menu;
15 import android.view.MenuInflater;
16 import android.view.MenuItem;
17
18 import com.google.android.gms.maps.CameraUpdateFactory;
19 import com.google.android.gms.maps.GoogleMap;
20 import com.google.android.gms.maps.OnMapReadyCallback;
21 import com.google.android.gms.maps.SupportMapFragment;
22 import com.google.android.gms.maps.model.LatLng;
23 import com.google.android.gms.maps.model.MapStyleOptions;
24 import com.google.android.gms.maps.model.MarkerOptions;
25
26 public class MapsActivity extends AppCompatActivity implements OnMapReadyCallback {
27
28     private static final int REQUEST_LOCATION_PERMISSION = 1 ;
29     private GoogleMap mMap;
30
31     @Override
32     protected void onCreate(Bundle savedInstanceState) {
33         super.onCreate(savedInstanceState);
34         setContentView(R.layout.activity_maps);
35         // Obtain the SupportMapFragment and get notified when the map is ready to
36         // be used.
37         SupportMapFragment mapFragment = (SupportMapFragment)
38             getSupportFragmentManager()
39                 .findFragmentById(R.id.map);
40         mapFragment.getMapAsync(this);
41     }
42
43     /**
44      * Manipulates the map once available.
45      * This callback is triggered when the map is ready to be used.
46      * This is where we can add markers or lines, add listeners or move the camera.
47      * In this case,
48      * we just add a marker near Sydney, Australia.
49      * If Google Play services is not installed on the device, the user will be
50      * prompted to install
51      * it inside the SupportMapFragment. This method will only be triggered once the
52      * user has
53      * installed Google Play services and returned to the app.
54      */
55     @Override
56     public void onMapReady(GoogleMap googleMap) {
57         mMap = googleMap;
58
59         // Add a marker in Sydney and move the camera
60         LatLng london = new LatLng(51.407388, -0.163070);
61         mMap.addMarker(new MarkerOptions().position(london).title("Marker in
62             London"));
63         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(london, 10f));
64         enableMyLocation();
65         try {
66             // Customize the styling of the base map using a JSON object defined
67             // in a raw resource file.
68             boolean success = googleMap.setMapStyle(
69                 MapStyleOptions.loadRawResourceStyle(
70                     this, R.raw.map_style));
71
72             if (!success) {

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```

68         Log.e("MapsActivity", "Style parsing failed.");
69     }
70     } catch (Resources.NotFoundException e) {
71         Log.e("MapsActivity", "Can't find style. Error: ", e);
72     }
73 }
74 @Override
75 public boolean onCreateOptionsMenu(Menu menu) {
76     MenuInflater inflater = getMenuInflater();
77     inflater.inflate(R.menu.my_menu, menu);
78     return true;
79 }
80 @Override
81 public boolean onOptionsItemSelected(MenuItem item) {
82     // Change the map type based on the user's selection.
83     switch (item.getItemId()) {
84         case R.id.normal_map:
85             mMap.setMapType(GoogleMap.MAP_TYPE_NORMAL);
86             return true;
87         case R.id.hybrid_map:
88             mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
89             return true;
90         case R.id.satellite_map:
91             mMap.setMapType(GoogleMap.MAP_TYPE_SATELLITE);
92             return true;
93         case R.id.terrain_map:
94             mMap.setMapType(GoogleMap.MAP_TYPE_TERRAIN);
95             return true;
96         default:
97             return super.onOptionsItemSelected(item);
98     }
99 }
100 private void enableMyLocation() {
101     if (ContextCompat.checkSelfPermission(this,
102         Manifest.permission.ACCESS_FINE_LOCATION)
103         == PackageManager.PERMISSION_GRANTED) {
104         mMap.setMyLocationEnabled(true);
105     } else {
106         ActivityCompat.requestPermissions(this, new String[]
107             {Manifest.permission.ACCESS_FINE_LOCATION},
108             REQUEST_LOCATION_PERMISSION);
109     }
110 }
111 @Override
112 public void onRequestPermissionsResult(int requestCode,
113     @NonNull String[] permissions,
114     @NonNull int[] grantResults) {
115     // Check if location permissions are granted and if so enable the
116     // location data layer.
117     switch (requestCode) {
118         case REQUEST_LOCATION_PERMISSION:
119             if (grantResults.length > 0
120                 && grantResults[0]
121                 == PackageManager.PERMISSION_GRANTED) {
122                 enableMyLocation();
123                 break;
124             }
125     }
126 }
127 }
128

```

```
1  package com.example.androidproject;
2
3  public class MoodZone {
4      private String Mood;
5      private String Notes;
6      private String Rating;
7
8
9      public MoodZone() {
10     }
11
12     public String getRating(String rating) {
13         return Rating;
14     }
15
16     public void setRating(String rating) {
17         Rating = rating;
18     }
19
20     public String getNotes() {
21         return Notes;
22     }
23
24     public void setNotes(String notes) {
25         Notes = notes;
26     }
27
28     public String getMood() {
29         return Mood;
30     }
31
32     public void setMood(String mood) {
33         Mood = mood;
34     }
35 }
36
```

```
1 package com.example.androidproject;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.content.Intent;
6 import android.os.Bundle;
7 import android.os.Handler;
8
9 public class SplashActivity extends AppCompatActivity {
10
11     @Override
12     protected void onCreate(Bundle savedInstanceState) {
13         super.onCreate(savedInstanceState);
14         setContentView(R.layout.activity_splash);
15
16         Handler handler = new Handler();
17         handler.postDelayed(new Runnable() {
18             @Override
19             public void run() {
20                 Intent intent = new Intent(SplashActivity.this, MainActivity.class);
21                 startActivity(intent);
22                 finish();
23             }
24         }, 2500);
25     }
26 }
27
```

```

1  package com.example.androidproject;
2
3  import androidx.appcompat.app.AppCompatActivity;
4  import androidx.core.app.ActivityCompat;
5
6  import android.Manifest;
7  import android.content.ActivityNotFoundException;
8  import android.content.Intent;
9  import android.content.pm.PackageManager;
10 import android.net.Uri;
11 import android.os.Bundle;
12 import android.text.Html;
13 import android.text.method.LinkMovementMethod;
14 import android.view.View;
15 import android.widget.Button;
16 import android.widget.TextView;
17
18
19 public class StudentMindsActivity extends AppCompatActivity {
20
21     Button btnMenu, btnCall;
22
23     @Override
24     protected void onCreate(Bundle savedInstanceState) {
25         super.onCreate(savedInstanceState);
26         setContentView(R.layout.activity_student_minds);
27
28         btnCall = (Button) findViewById(R.id.call);
29         btnMenu = (Button) findViewById(R.id.menu);
30
31         TextView text = (TextView) findViewById(R.id.link);
32         text.setMovementMethod(LinkMovementMethod.getInstance());
33
34         TextView email = (TextView) findViewById(R.id.textViewEmail);
35         email.setOnClickListener(new View.OnClickListener() {
36             @Override
37             public void onClick(View v) {
38                 Intent emailIntent = new Intent(Intent.ACTION_SENDTO);
39                 emailIntent.setData(Uri.parse("mailto:info@studentminds.org.uk"));
40                 try{
41                     startActivity(emailIntent);
42                 }catch(ActivityNotFoundException e){
43
44                 }
45             }
46         });
47
48         btnMenu.setOnClickListener(new View.OnClickListener() {
49             @Override
50             public void onClick(View v) {
51                 Intent openHome = new Intent(StudentMindsActivity.this,
52                     HomeActivity.class);
53                 startActivity(openHome);
54             }
55         });
56
57         public void onDialButton(View v) {
58             Intent intent = new Intent(Intent.ACTION_CALL);
59             intent.setData(Uri.parse("tel:01133438440"));
60             if (ActivityCompat.checkSelfPermission(this, Manifest.permission.CALL_PHONE)
61                 != PackageManager.PERMISSION_GRANTED) {
62                 return;
63             }
64             startActivity(intent);
65         }
66     }
67

```



```

1  package com.example.androidproject;
2
3  import androidx.annotation.NonNull;
4  import androidx.annotation.Nullable;
5  import androidx.appcompat.app.AppCompatActivity;
6  import androidx.recyclerview.widget.LinearLayoutManager;
7  import androidx.recyclerview.widget.RecyclerView;
8
9  import android.content.Intent;
10 import android.os.Bundle;
11 import android.provider.ContactsContract;
12 import android.util.Log;
13 import android.view.LayoutInflater;
14 import android.view.View;
15 import android.view.ViewGroup;
16 import android.widget.AdapterView;
17 import android.widget.Button;
18 import android.widget.ListView;
19 import android.widget.TextView;
20 import android.widget.Toast;
21
22 import com.google.firebase.database.ChildEventListener;
23 import com.google.firebase.database.DataSnapshot;
24 import com.google.firebase.database.DatabaseError;
25 import com.google.firebase.database.DatabaseReference;
26 import com.google.firebase.database.FirebaseDatabase;
27 import com.google.firebase.database.ValueEventListener;
28
29 import org.w3c.dom.Text;
30
31 import java.lang.reflect.Array;
32 import java.util.ArrayList;
33 import java.util.Iterator;
34
35 public class TrackYourMood extends AppCompatActivity {
36
37     Button addMoodBtn, btnMenu ;
38     ListView myListView;
39     FirebaseDatabase database;
40     DatabaseReference reference;
41     ArrayList<String> myArrayList = new ArrayList<>();
42
43
44     @Override
45     protected void onCreate(Bundle savedInstanceState) {
46         super.onCreate(savedInstanceState);
47         setContentView(R.layout.activity_track_your_mood);
48
49         addMoodBtn = findViewById(R.id.addMood);
50         btnMenu = findViewById(R.id.menu);
51         myListView = findViewById(R.id.listview);
52
53
54         database = FirebaseDatabase.getInstance();
55         reference = database.getReference("MoodZone/");
56         myListView = findViewById(R.id.listview);
57         final ArrayAdapter<String> myArrayAdapter = new ArrayAdapter<String>(this,
58             android.R.layout.simple_list_item_1, myArrayList);
59
60         reference.addValueEventListener(new ValueEventListener() {
61             @Override
62             public void onDataChange(@NonNull DataSnapshot dataSnapshot) {
63                 for(DataSnapshot ds:dataSnapshot.getChildren()){
64                     String mood = ds.child("mood").getValue(String.class);
65                     String notes = ds.child("notes").getValue(String.class);
66                     Float rating = ds.child("rating").getValue(Float.class);
67                     myArrayList.add("mood: "+mood);
68                     myArrayList.add("notes: "+notes);
69                     myArrayList.add("rating: "+rating);
70                 }
71                 myArrayAdapter.notifyDataSetChanged();
72             }
73         });
74     }
75 }

```

```

73         @Override
74         public void onCancelled(@NonNull DatabaseError databaseError) {
75
76         }
77     });
78     myListView.setAdapter(myArrayAdapter);
79     /**
80     reference.addChildEventListener(new ChildEventListener() {
81         @Override
82         public void onChildAdded(@NonNull DataSnapshot dataSnapshot, @Nullable
            String s) {
83             for(DataSnapshot ds: dataSnapshot.getChildren()) {
84                 String mood = ds.child("mood").getValue().toString();
85                 String notes = ds.child("notes").getValue().toString();
86                 String rating = ds.child("rating").getValue().toString();
87                 myArrayList.add("mood: " + mood);
88                 myArrayList.add("notes: "+notes);
89                 myArrayList.add("rating: "+rating);
90             }
91             myArrayAdapter.notifyDataSetChanged();
92         }
93
94         @Override
95         public void onChildChanged(@NonNull DataSnapshot dataSnapshot, @Nullable
            String s) {
96             myArrayAdapter.notifyDataSetChanged();
97
98         }
99         @Override
100        public void onChildRemoved(@NonNull DataSnapshot dataSnapshot) {
101        }
102        @Override
103        public void onChildMoved(@NonNull DataSnapshot dataSnapshot, @Nullable
            String s) {
104        }
105        @Override
106        public void onCancelled(@NonNull DatabaseError databaseError) {
107        }
108    });
109    myListView.setAdapter(myArrayAdapter);***/
110
111
112    btnMenu.setOnClickListener(new View.OnClickListener() {
113        @Override
114        public void onClick(View v) {
115            Intent openHome = new Intent(TrackYourMood.this, HomeActivity.class);
116            startActivity(openHome);
117        }
118    });
119
120    addMoodBtn.setOnClickListener(new View.OnClickListener() {
121        @Override
122        public void onClick(View v) {
123            Intent openAddMood = new Intent(TrackYourMood.this, AddMood.class);
124            startActivity(openAddMood);
125        }
126    });
127 }
128 }
129

```