# **Tutor Android App**

Report

**FROM** 

BTech CSE (P132L)

SUBMITTED TO

# Dr. Subhita Menon Mam LOVELY PROFESSIONAL UNIVERSITY

PHAGWARA, PUNJAB



Transforming Education Transforming India

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**CSE227: ADVANCED ANDROID APP DEVELOPMENT** 

## **GitHub Project Link:**

https://github.com/gopi76/Tutor-App-Android-Studio-Kotlin-

#### **Working Project Video Link:**

https://github.com/gopi76/Tutor-App-Android-Studio-Kotlin-/blob/main/project\_video.mp4

## **CSE224 (FUNDAMENTALS OF ANDROID):**

- Toast
- Log
- Layouts : Linear, Relative and Constraint
- Alert Dialog
- Request App Permissions

## **CSE225 (DEVELOPING ANDROID APPS):**

- Splash Screen
- Progress Bar
- Intents( both explicit and implicit intents)
- Loading
- Notification
- Navigation Drawer
- View Pager
- Date Picker Dialog
- Time Picker Dialog

• Rating Bar

#### CSE226:ANDROID APP DEPLOYMENT

- Recycler View
- Users Current Location
- Maps

#### CSE227: ADVANCED ANDROID APP DEVELOPMENT

- Real Time Firebase
- Animation
- Proximity sensor

#### **Others**

- Alert Dialog Box
- Firebase Fire store (to store the tutor details)

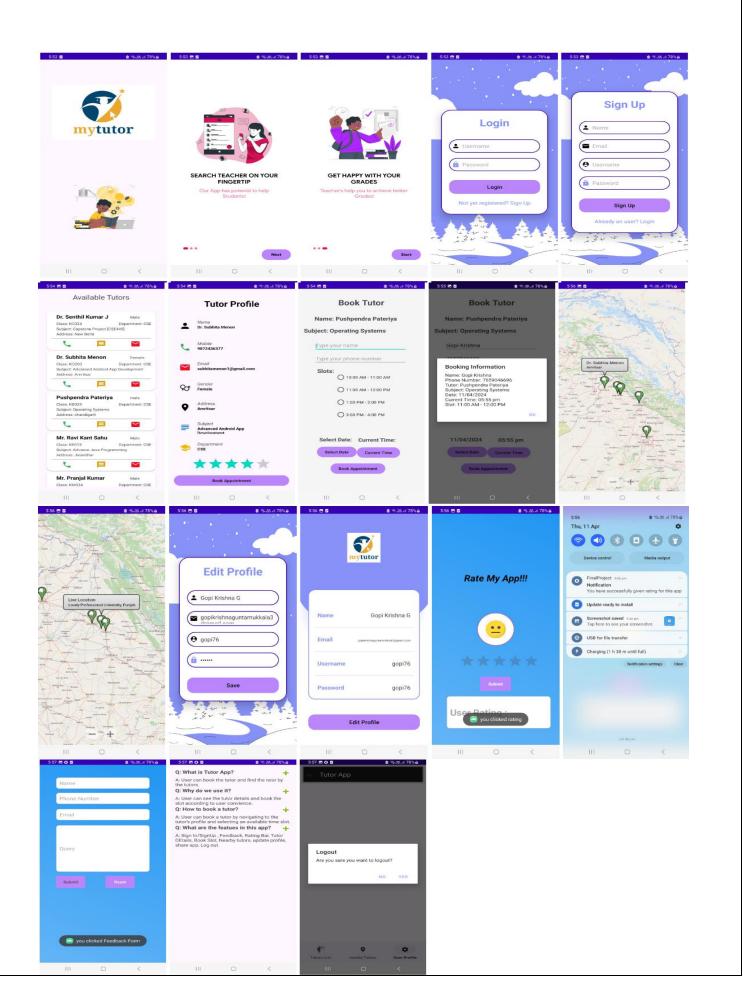
#### **Project Overview**

This project aims to create a Tutor App using Android Studio and Kotlin. It includes the following features:

- 1. **Sign In:** Users can log in with their credentials. This feature ensures that only registered users can access the app's functionalities, maintaining security and privacy.
- 2. **Sign Up:** New users can create a new account. The signup process collects essential information from users to create their profiles and grant them access to the app.
- 3. **Tutors List:** Users can view all available tutors. This feature provides a comprehensive list of tutors, including their profiles, expertise, and availability.

- 4. **Tutor Profile:** Users can view tutor profiles and book slots for classes. This feature allows users to explore detailed information about tutors, such as their qualifications, experience, and ratings from other users.
- 5. **Book Slot:** Users can also book slots for classes based on the tutor's availability.
- 6. **Nearby Tutors (Map View):** Utilizes OpenStreetMap to show nearby tutors in Map View. This feature uses geolocation to display tutors near the user's current location on a map, making it convenient for users to find local tutors.
- 7. **Profile Management:** Users can check and update their profiles. This feature enables users to edit their profile information, such as their name, contact details, and profile picture, ensuring that their information is up to date.
- 8. **Rating System:** Includes a rating bar for users to give feedback, with notifications for received ratings. This feature allows users to rate tutors based on their experience, providing valuable feedback to improve the quality of tutoring services. Users also receive notifications when they receive ratings from other users.
- 9. **Feedback Submission:** Users can submit feedback, stored in a real-time database. This feature allows users to share their feedback and suggestions about the app's functionality, user experience, and overall satisfaction, helping developers enhance the app based on user input.
- 10. **FAQ:** Users can access app details and necessary information. This feature provides a comprehensive FAQ section where users can find answers to common questions about the app's features.
- 11. **Sharing:** Users can share the app with others on their phones. This feature allows users to easily share the app with friends, family, or colleagues via messaging apps, social media platforms, or email, expanding the app's user base and visibility.
- 12. **Logout:** Users can log out of the app. This feature allows users to securely log out of their accounts, ensuring that their session is terminated and their data remains private.

#### **Project Images:**



#### **Login Activity Code:**

```
om.example.finalproje
```

#### **Main Activity Code:**

```
com.example.finalprojec
```

```
if (sensorEvent.sensor == proximitySensor) {
   val distance = sensorEvent.values.getOrN
```

#### **Tutor Details Code:**

#### **Booking Activity Code:**

```
package com.example.finalproject
import android.app.AlertDialog
import android.app.DatePickerDialog
import android.app.TimePickerDialog
import android.os.Bundle
import android.widget.Button
import android.widget.Button
import android.widget.RadioButton
import android.widget.RadioGroup
import android.widget.RadioGroup
import android.widget.Toast
import android.widget.Toast
import android.widget.Toast
```

```
java.text.SimpleDateFormat
java.util.Calendar
```

#### **Near By Tutors Activity Code:**

```
for (document in documents) {
    val tutorName = document.getString("name") ?: "Tutor"
    val tutorAddress = document.getString("address") ?: ""
    if (tutorAddress.isNotEmpty()) {
        tutorList.add(tutorName to tutorAddress)

                 val marker = Marker(map)
marker.position = location
marker.title = title
marker.snippet = snippet
map.overlays.add(marker)
private fun getGeoPointFromAddress(address: String?): GeoPoint? {
   val geocoder = Geocoder(this)
   return try {
    val locationList = address?.let { geocoder.getFromLocationName(it, 1) }
    if (locationList != null && locationList.isNotEmpty()) {
      val latitude = locationList[0].latitude
      val longitude = locationList[0].longitude
      GeoPoint(latitude = locationList[0].longitude
```

#### **Edit Profile Activity Code:**

```
private fun isNameChanged(): Boolean {
    val newName = editName.text.toString()
    return if (newName != nameUser) {
        reference.child(usernameUser).child("name").setValue(newName)
        true
    } else {
        false
    }
}

private fun isEmailChanged(): Boolean {
    val newEmail = editEmail.text.toString()
    return if (newEmail != enailUser) {
        reference.child(usernameUser).child("email").setValue(newEmail)
        true
    } else (
        false
    }
}

private fun isPasswordChanged(): Boolean {
    val newPassword = editPassword.text.toString()
    return if (newPassword != passwordUser) {
        reference.child(usernameUser).child("password").setValue(newPassword)
        true
    } else {
        false
    }
}
```

#### **Rating Star Code:**

#### Feedback form Code:

```
builder.setTitle("Submit Query")
builder.setMessage("Are you sure you want t
builder.setPositiveButton("Yes") { dialog,
```

```
val contactInfo = ContactInfo(name, phone, email, query)

if (submissionKey != null) {
    databaseReference.child(submissionKey).setValue(contactInfo)
}
    Toast.makeText(this, "Successfully submitted your query", Toast.LENGTH_SHORT).show()
    dialog.dismiss()
}

builder.setNegativeButton("No") { dialog, _ ->

    dialog.dismiss()
}

builder.setNeutralButton("Cancel") { dialog, _ ->

    dialog.dismiss()
}

val dialog = builder.create()
    dialog.show()
}
```

#### **FAQ** activity Code:

#### **Bottom Navigation Menu Code:**

```
android:title="Tutors List"
    android:icon="@drawable/nav_teacher"/>

<item
    android:id="@+id/tutors"
    android:title="nearby Tutors"
    android:icon="@drawable/baseline location on 24"/>

<item
    android:id="@+id/settings"
    android:title="User Profile"
    android:title="User Profile"
    android:icon="@drawable/baseline_settings_24"/>
</menu>
```

#### **Navigation Drawer:**

```
<?xml version="1.0" encoding="utf-8"?>
        <item android:title="FAQ"</pre>
        </item>
```

-----The End-----