

## A Real-Time Chat And Communication App

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### Integrating Firebase:

#### Step 1: Set up Firebase Project:

- ❖ Go to the [Firebase Console](<https://console.firebase.google.com/>).
- ❖ Click “Add project” and follow the steps to create a new Firebase project.
- ❖ Once created, navigate to the “Project Overview” page in the Firebase Console.

#### Step 2: Add Firebase to Your Android Project:

- ❖ In the Firebase Console, click on the “Android icon” to add Firebase to your Android app.
- ❖ Register your app by entering your “Android package name”(found in `AndroidManifest.xml`) and optionally, the app’s “nickname”.

### Step 3: Configure Firebase SDK in Android Studio:

- ❖ In “Android Studio”, open your project and ensure you have the Firebase SDK dependencies in place.
- ❖ Modify your `project-level build.gradle` file to include the Google services plugin:

### Step 4: Sync the Project:

Click “Sync Now” in the bar that appears at the top of the file to sync your project with Firebase.

### Step 5: Use Firebase Features:

Now, you can use other Firebase features like Firestore, Firebase Authentication, Realtime Database, etc., by adding the respective Firebase dependencies and following their integration steps.

### Screen Shots:

