

A Real-Time Chat And Communication App

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Required Initial Steps:

Step 1.:Download Android Studio: - Visit the official Android Studio download page:

<https://developer.android.com/studio>.

- Review and accept the terms and conditions if prompted.
- The download will begin automatically.

Step 2.:Install Android Studio:

For Windows:

- ✚ Run the installer: Double-click the downloaded `.exe` file.
- ✚ Follow the installation wizard:
 - Choose installation options (use default settings unless you have specific preferences).
 - Android Studio requires a minimum of 4 GB of RAM (recommended 8 GB), and a screen resolution of at least 1280x800.
- ✚ Install Android SDK: The installer will automatically install the Android SDK, Android Emulator, and other necessary tools.
- ✚ Complete installation: Click `Finish` once the process is complete.
- ✚ 3. Follow the setup wizard: Android Studio will guide you through the rest of the installation.

Step3: First Launch and Setup:

- † Choose UI Theme**: Select between `Light` or `Dark` theme.
- † Install SDK Components**: Android Studio will download necessary SDK components (such as the latest Android platform and tools). This might take some time, depending on your internet speed.

Step 4: Configure Android Studio:

- † -Install additional SDK packages: You might need to install certain packages depending on your Android development needs (e.g., specific Android API versions or system images for the emulator).
- † Set up the Android Emulator: If you plan to use the Android Emulator for testing, you can set it up through the AVD (Android Virtual Device) Manager.

Step5: Verify Installation:

- † Go to `File` → `New` → `New Project`.
- † Choose a template (e.g., `Empty Activity`).
- † Configure the project (e.g., name, package name).
- † Click `Finish`.

Step6: Install Android Device/SDK Drivers (If needed):

- † You have enabled **USB debugging** on the device (`Settings` → `About phone` → Tap `Build number` 7 times to unlock developer options → `Developer options` → Enable `USB debugging`).
- † You may need to install specific drivers for your device (especially on Windows).

Screen Shorts:

