

App Name: ToDistry App

Platform: Android (Built with Android Studio)(Android Studio Dolphin | 2021.3.1 Patch 1)

Language: Java

IDE: Android Studio

UI: XML Layouts

Database: SharedPreference for user info

Dependencies:

1.Responsive:

```
implementation 'com.intuit.ssp:ssp-android:1.0.6'  
implementation 'com.intuit.sdp:sdp-android:1.0.6'
```

2.Circular Image:

```
implementation 'de.hdodenhof:circleimageview:3.1.0'
```

3.Network Request & Data Converter:

```
implementation 'com.squareup.retrofit2:converter-gson:2.6.2'  
implementation 'com.android.volley:volley:1.2.1'
```

4.Network Image Loads:

```
implementation 'com.squareup.picasso:picasso:2.71828'
```

5.Image Picker:

```
implementation 'com.github.dhaval2404:imagepicker:2.1'
```

6.Image Cropper:

```
implementation("com.vanniktech:android-image-cropper:4.3.3")
```

7.OTP View:

```
implementation 'io.github.chaosleung:pinview:1.4.4'
```

API Base URL:<https://todistry.com/api/api/>

- It is located in com/todistory/api/ApiConstants file

```
public static String BASE_URL = "https://todistry.com/api/api/";
```

Push Notification/Firebase Config: Not Used

Project Structure:

```
com/
└── todistory/
    ├── api/
    │   ├── ApiConstants      # API endpoint constants
    │   └── VolleyMultipartRequest # Custom request class for file uploads
    ├── common/
    │   ├── Helper           # Utility methods (common helpers)
    │   └── VolleyMultipartRequest # Possibly shared with api (consider consolidation)
    ├── model/
    │   ├── Data             # Base or composite model class
    │   ├── MemberInfoModel   # Holds data for individual family members
    │   ├── MemberTypeModel   # Enum/type model for member categories
    │   ├── PostModel          # Model for posts or announcements (if used)
    │   ├── RelationWithAdminModel # Defines relation of member to admin
    │   ├── SiblingTypeModel   # Sibling relationship types
    │   ├── SubMemberTypeModel # Represents child/secondary member type
    │   ├── SuffixModel         # Title suffixes (e.g., Jr., Sr.)
    │   └── VideoChatUserModel # Stores user info for video chat feature
    └── ui/
        ├── activity/       # Activities (screens like Home, Add Member, etc.)
        ├── adapter/        # RecyclerView/ListView adapters
        ├── fragment/       # UI Fragments for modular views
        └── helper/          # UI-related utility classes or ViewHelpers
```

Deployment guide:

1. Debug App(For Internal Test):

Step 1: Open app in android studio

Step 2: Go to the top menu:

Build > Build Bundle(s) / APK(s) > Build APK(s)

Step 3: Wait for the build to complete.

Step 4: Android Studio will show a notification:

"APK(s) generated successfully" – click "locate" to open the folder.

2. Release App(For Play Store upload):

Step 1: Open app in android studio

Step 2: Go to the top menu:

Go to Build > Generate Signed Bundle / APK.

Step 3: Click Next.

Step 4:

Choose: Android App Bundle (AAB)

Step 5: Click Next.

Step 6: Submit Following Details

- Key store path: Your **.jks** file path (or create one)

- Key alias: Your key alias

- Key password and Key store password

- To create a new keystore: Click Create new... and Save the **.jks** in a secure location

Step 7: Select release as the build type

Step 8: Click Finish

Step 9: Wait for the build to complete.

Step 10: Android Studio will show a notification:

"APK(s) generated successfully" – click "locate" to open the folder.

Note: For **.jks** file create one time after you will choose that file location and create release.

