

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: SharedPreferences 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/todistry/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.

