**Android Development with KOTLIN**

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Name of the Application : **Farming App**

Description :

This is an Android Application designed for our Indian farmers. The technology has become a part and parcel of everyone's life and it is also helping us to make our daily tasks easy. We identified that in the Agriculture sector, the farmers are still lacking the best technology use cases. There are thousands of applications in the markets for farmers but they only provide the limited features. The main reason for creating this application was to combine every possible feature into the single app. This will remove the burden of managing multiple account and apps for farmers.

The application is also designed in such a way that it will be easy to use for :

- Government Yojana Awareness

- E-commerce Platform

- Daily APMC Price Updates

- Community Network (Social Media)

- Reading articles based on categories

- Weather Forecasting

**Code:**

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.project.farmingapp">

<uses-permission android:name="android.permission.INTERNET" />

<uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION" />

<!-- Needed only if your app targets Android 5.0 (API level 21) or higher. -->

<uses-feature android:name="android.hardware.location.gps" />

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true"

android:theme="@style/AppTheme">

<activity android:name=".view.introscreen.IntroActivity"

android:theme="@style/AppTheme2">

</activity>

<activity android:name=".view.ecommerce.RazorPayActivity" />

<activity android:name=".view.dashboard.DashboardActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

<activity

android:name=".view.auth.SignupActivity"

android:noHistory="true"

android:theme="@style/AppTheme2" />

<activity

android:name=".view.auth.LoginActivity"

android:noHistory="true"

android:theme="@style/AppTheme2">

</activity>

<meta-data

android:name="com.razorpay.ApiKey"

android:value="@string/key\_id" />

<meta-data

android:name="preloaded\_fonts"

android:resource="@array/preloaded\_fonts" />

</application>

</manifest>

public class DataBinderMapperImpl extends DataBinderMapper {

private static final int LAYOUT\_ACTIVITYDASHBOARD = 1;

private static final int LAYOUT\_ACTIVITYLOGIN = 2;

private static final int LAYOUT\_ACTIVITYSIGNUP = 3;

private static final int LAYOUT\_FRAGMENTWEATHER = 4;

private static final SparseIntArray INTERNAL\_LAYOUT\_ID\_LOOKUP = new SparseIntArray(4);

static {

INTERNAL\_LAYOUT\_ID\_LOOKUP.put(com.project.farmingapp.R.layout.activity\_dashboard, LAYOUT\_ACTIVITYDASHBOARD);

INTERNAL\_LAYOUT\_ID\_LOOKUP.put(com.project.farmingapp.R.layout.activity\_login, LAYOUT\_ACTIVITYLOGIN);

INTERNAL\_LAYOUT\_ID\_LOOKUP.put(com.project.farmingapp.R.layout.activity\_signup, LAYOUT\_ACTIVITYSIGNUP);

INTERNAL\_LAYOUT\_ID\_LOOKUP.put(com.project.farmingapp.R.layout.fragment\_weather, LAYOUT\_FRAGMENTWEATHER);

}

@Override

public ViewDataBinding getDataBinder(DataBindingComponent component, View view, int layoutId) {

int localizedLayoutId = INTERNAL\_LAYOUT\_ID\_LOOKUP.get(layoutId);

if(localizedLayoutId > 0) {

final Object tag = view.getTag();

if(tag == null) {

throw new RuntimeException("view must have a tag");

}

switch(localizedLayoutId) {

case LAYOUT\_ACTIVITYDASHBOARD: {

if ("layout/activity\_dashboard\_0".equals(tag)) {

return new ActivityDashboardBindingImpl(component, view);

}

throw new IllegalArgumentException("The tag for activity\_dashboard is invalid. Received: " + tag);

}

case LAYOUT\_ACTIVITYLOGIN: {

if ("layout/activity\_login\_0".equals(tag)) {

return new ActivityLoginBindingImpl(component, view);

}

throw new IllegalArgumentException("The tag for activity\_login is invalid. Received: " + tag);

}

case LAYOUT\_ACTIVITYSIGNUP: {

if ("layout/activity\_signup\_0".equals(tag)) {

return new ActivitySignupBindingImpl(component, view);

}

throw new IllegalArgumentException("The tag for activity\_signup is invalid. Received: " + tag);

}

case LAYOUT\_FRAGMENTWEATHER: {

if ("layout/fragment\_weather\_0".equals(tag)) {

return new FragmentWeatherBindingImpl(component, view);

}

throw new IllegalArgumentException("The tag for fragment\_weather is invalid. Received: " + tag);

}

}

}

return null;

}

@Override

public ViewDataBinding getDataBinder(DataBindingComponent component, View[] views, int layoutId) {

if(views == null || views.length == 0) {

return null;

}

int localizedLayoutId = INTERNAL\_LAYOUT\_ID\_LOOKUP.get(layoutId);

if(localizedLayoutId > 0) {

final Object tag = views[0].getTag();

if(tag == null) {

throw new RuntimeException("view must have a tag");

}

switch(localizedLayoutId) {

}

}

return null;

}

@Override

public int getLayoutId(String tag) {

if (tag == null) {

return 0;

}

Integer tmpVal = InnerLayoutIdLookup.sKeys.get(tag);

return tmpVal == null ? 0 : tmpVal;

}

@Override

public String convertBrIdToString(int localId) {

String tmpVal = InnerBrLookup.sKeys.get(localId);

return tmpVal;

}

@Override

public List<DataBinderMapper> collectDependencies() {

ArrayList<DataBinderMapper> result = new ArrayList<DataBinderMapper>(1);

result.add(new androidx.databinding.library.baseAdapters.DataBinderMapperImpl());

return result;

}

private static class InnerBrLookup {

static final SparseArray<String> sKeys = new SparseArray<String>(4);

static {

sKeys.put(0, "\_all");

sKeys.put(1, "authViewModel");

sKeys.put(2, "userDataViewModel");

sKeys.put(3, "weatherViewModel");

}

}

private static class InnerLayoutIdLookup {

static final HashMap<String, Integer> sKeys = new HashMap<String, Integer>(4);

static {

sKeys.put("layout/activity\_dashboard\_0", com.project.farmingapp.R.layout.activity\_dashboard);

sKeys.put("layout/activity\_login\_0", com.project.farmingapp.R.layout.activity\_login);

sKeys.put("layout/activity\_signup\_0", com.project.farmingapp.R.layout.activity\_signup);

sKeys.put("layout/fragment\_weather\_0", com.project.farmingapp.R.layout.fragment\_weather);

}

}

}

**OUTPUT:**