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# Android Manifest Configuration for Love Oracle

When preparing the Love Oracle app for Android deployment, several modifications are needed to the `AndroidManifest.xml` file. These modifications include setting the application ID, adding AdMob configuration, specifying required permissions, and configuring the splash screen theme.

## File Location

The `AndroidManifest.xml` file is located at:
```
```
```
```

## Required Modifications

### 1. AdMob Configuration

Add the following within the `` tag:
```xml
<!-- AdMob configuration -->
<meta-data
 android:name="com.google.android.gms.ads.APPLICATION_ID"
 android:value="ca-app-pub-5717347186318471~2315280916" />

<!-- Mark app as requiring user consent for data collection (GDPR compliance) -->
<meta-data
 android:name="com.google.android.gms.ads.DELAY_APP_MEASUREMENT_INIT"
 android:value="true" />
```

### 2. Required Permissions

Ensure these permissions are included:
```xml
<!-- Internet permission -->
<uses-permission android:name="android.permission.INTERNET" />
<uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />

<!-- AdMob permissions -->
<uses-permission android:name="com.google.android.gms.permission.AD_ID" />
```

### 3. Splash Screen Configuration

Within the `` tag, modify the theme for the splash screen:
```xml
<activity
 android:configChanges="orientation|keyboardHidden|keyboard|screenSize|locale|smallestScreenSize|screenLayout|uiMode"
 android:exported="true"
 android:label="@string/title_activity_main"
 android:launchMode="singleTask"
 android:name=".MainActivity"
 android:theme="@style/AppTheme.NoActionBarLaunch">

 <!-- Intent filter configuration -->
 <intent-filter>
 <action android:name="android.intent.action.MAIN" />
 <category android:name="android.intent.category.LAUNCHER" />
 </intent-filter>
</activity>
```

### 4. Screen Orientation

If you want to lock the app to portrait mode only:
```xml
<activity
 ...
```

```

```

    android:screenOrientation="portrait"
    ...>
```
Example Complete AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android">

    <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">

        <!-- AdMob configuration -->
        <meta-data
            android:name="com.google.android.gms.ads.APPLICATION_ID"
            android:value="ca-app-pub-5717347186318471~2315280916" />

        <!-- Mark app as requiring user consent for data collection -->
        <meta-data
            android:name="com.google.android.gms.ads.DELAY_APP_MEASUREMENT_INIT"
            android:value="true" />

        <activity
            android:configChanges="orientation|keyboardHidden|keyboard|screenSize|locale|smallestScreenSize|sc...
            android:exported="true"
            android:label="@string/title_activity_main"
            android:launchMode="singleTask"
            android:name="com.loveoracle.app.MainActivity"
            android:screenOrientation="portrait"
            android:theme="@style/AppTheme.NoActionBarLaunch">

            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>

        </activity>

        <provider
            android:name="androidx.core.content.FileProvider"
            android:authorities="${applicationId}.fileprovider"
            android:exported="false"
            android:grantUriPermissions="true">
            <meta-data
                android:name="android.support.FILE_PROVIDER_PATHS"
                android:resource="@xml/file_paths"></meta-data>
        </provider>
    </application>

    <!-- Required Permissions -->
    <uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />
    <uses-permission android:name="com.google.android.gms.permission.AD_ID" />
</manifest>
```

```

## ## Activity Code Changes

In addition to the `AndroidManifest.xml` changes, you'll need to modify the `MainActivity.java` file to initialize...

```

```java
package com.loveoracle.app;

import android.os.Bundle;
import com.getcapacitor.BridgeActivity;
import com.google.android.gms.ads.MobileAds;
import com.google.android.gms.ads.RequestConfiguration;

```

```
import java.util.Arrays;

public class MainActivity extends BridgeActivity {
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        // Initialize Mobile Ads SDK
        MobileAds.initialize(this, initializationStatus -> {
            // SDK Initialized successfully
        });

        // Set up test devices (for development only)
        // Remove or modify for production build
        RequestConfiguration configuration = new RequestConfiguration.Builder()
            .setTestDeviceIds(Arrays.asList("ABCDEF012345")) // Add your test device IDs here
            .setTagForChildDirectedTreatment(RequestConfiguration.TAG_FOR_CHILD_DIRECTED_TREATMENT_TRUE)
            .build();
        MobileAds.setRequestConfiguration(configuration);
    }
}

```
```
## Important Notes

1. Replace "ABCDEF012345" with your actual test device ID(s) during development
2. Remove test device configuration for production builds
3. The `MainActivity.java` file is located at: `~android/app/src/main/java/com/loveoracle/app/MainActivity.java...`
4. After making these changes, rebuild the Android app using the provided build script
5. These changes will be preserved when running `npx cap sync android`
```