Curso Android Nivelamento Permissão

Android Manifest

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

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

Activity

public static final int *REQUEST_ID_MULTIPLE_PERMISSIONS* = **1;**

```
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    if(checkAndRequestPermissions()) {
        // carry on the normal flow, as the case of  permissions  granted.
    }
```

Função para Analisar as Permissões

```java
private boolean checkAndRequestPermissions() {
    // int permissionSendMessage = ContextCompat.checkSelfPermission(this, Manifest.permission.SEND_SMS);
    // int locationPermission = ContextCompat.checkSelfPermission(this, Manifest.permission.ACCESS_FINE_LOCATION);

    int diskPermission = ContextCompat.checkSelfPermission(this, Manifest.permission.WRITE_EXTERNAL_STORAGE);
    // int cameraPermission = ContextCompat.checkSelfPermission(this, Manifest.permission.CAMERA);

    List<String> listPermissionsNeeded = new ArrayList<>();
    // if (locationPermission != PackageManager.PERMISSION_GRANTED) {
    //     listPermissionsNeeded.add(Manifest.permission.ACCESS_FINE_LOCATION);
    // }
    //  if (permissionSendMessage != PackageManager.PERMISSION_GRANTED) {
    // listPermissionsNeeded.add(Manifest.permission.SEND_SMS);
    // }
    if (diskPermission != PackageManager.PERMISSION_GRANTED) {
        listPermissionsNeeded.add(Manifest.permission.WRITE_EXTERNAL_STORAGE);
    }
    //if (cameraPermission != PackageManager.PERMISSION_GRANTED) {
    //  listPermissionsNeeded.add(Manifest.permission.CAMERA);
    //}
    if (!listPermissionsNeeded.isEmpty()) {
        ActivityCompat.requestPermissions(this, listPermissionsNeeded.toArray(new String[listPermissionsNeeded.size()]), REQUEST_ID_MULTIPLE_PERMISSIONS);
        return false;
    }
    return true;
}
```

Possibilidades de Permissionamento

.<uses-feature android:name="android.hardware.screen.portrait" />

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

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

- <uses-feature android:name="android.hardware.camera"

- android:required="true" />

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

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

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

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

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

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

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

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

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

Exercício
Faça um App que libere o permissionameto da Câmera