

IT – Entrepreneurship Permissions



Permissions

- To maintain security, Android requires apps to request permission before the apps can use certain system data and features.
- Depending on how sensitive the area is, the system may grant the permission automatically, or it may ask the user to approve the request.



Permissions

- Because each Android app operates in a process sandbox, apps must explicitly request access to resources and data outside their sandbox.
- They request this access by declaring the permissions they need for additional capabilities not provided by the basic sandbox.



Using Permissions

- A basic Android app has no permissions associated with it by default
- It cannot do anything that would adversely impact the user experience or any data on the device
- To make use of protected features of the device, you must include one or more `<uses-permission>` tags in your app manifest



Using Permissions - Example

- an app that needs to monitor incoming SMS messages would specify:

```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
  package="com.android.app.myapp" >
  <uses-permission android:name="android.permission.RECEIVE_SMS" />
  ...
</manifest>
```



References

- developer.android.com

