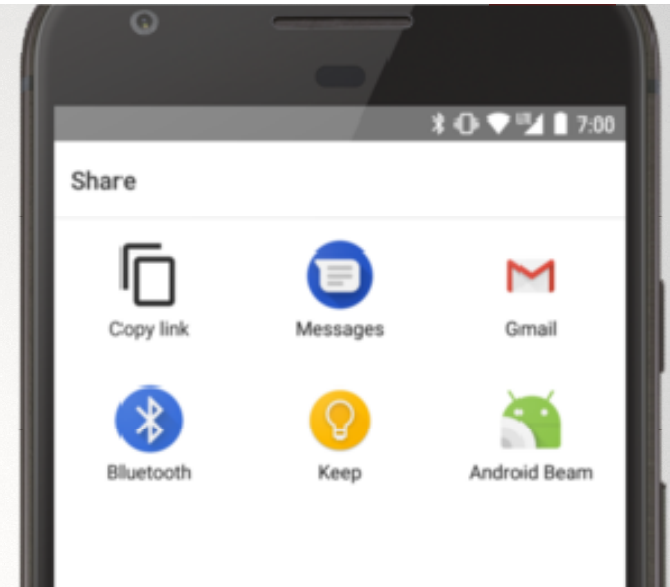# Concluding
the Intent

SYAMKRISHNA BG

Intents are **asynchronous** messages

Allow application components to request functionality from other Android components

(with in application or outside application).

Types

- ▶ explicit intent
- ▶ implicit intent

```xml
<activity android:name="ShareActivity">
    <intent-filter>
        <action android:name="android.intent.action.SEND"/>
        <category android:name="android.intent.category.DEFAULT"/>
        <data android:mimeType="text/plain"/>
    </intent-filter>
</activity>
```
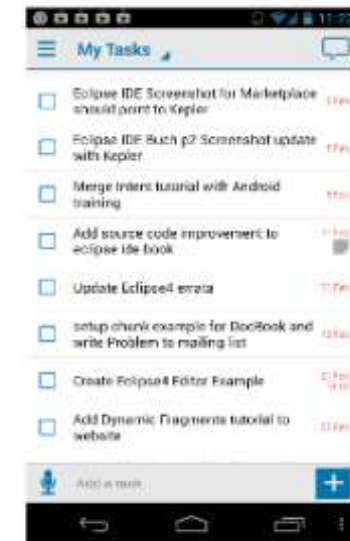
Intent resolution by the Android system

One activity is started

Intent + resultCode provided by called activity

onActivityResult(requestCode, resultCode, intent)

RequestCode provided by Android to identify which activity type was started

The sub-activity uses the `finish()` method to create a new intent and to put data into it. It also sets a result via the `setResult()` method call.

```
Intent mIntent = new Intent(this, Camera.class);

Bundle extras = mIntent.getExtras();

extras.putString(key, value);
```

```java
@Override
protected void onActivityResult(int requestCode, int resultCode, Intent data)
{
    if (resultCode == RESULT_OK && requestCode == REQUEST_CODE)
    {
        if (data.hasExtra("returnKey1"))
        {
            //do your code
        }
    }
}
```

```
Intent mIntent = new Intent(this, Camera.class);

Bundle mBundle = new Bundle();
mBundle.putString(key, value);

mIntent.putExtras(mBundle);
```

```
Intent mIntent = new Intent(this, Camera.class);

mIntent.putExtra(key, value);
```

So what is the actual qualified name of an activity

yournamespace.activityname

eg

in.nic.kerala.SplashActivity.java

Get Intent and extract values

Intent intent = getIntent();

Or

String value = getIntent().getExtras().getString(key)

Reference

https://developer.android.com/guide/components/intents-filters

https://www.linkedin.com/pulse/hacking-android-apps-through-exposed-components-tal-melamed

The Complete Guide at

▶ **https://developer.android.com/guide/**