Coding tips:

* ? = is a null safety feature preventing null values from being assigned
* TextView.text is an object (that has a toString() method that can be called on it)

Right now we are working on Lab 2, which is focused on exploring:

* Android Intents
* Creating Navigation Flows
* Passing data around different Activities
* Giving user feedback on actions
* Passing data to other apps, outside of our own

Definitions

**Intents** is a way of communication to Android that it has an intention to perform an action. Android uses these intent objects to specify what it want to happen (like starting a new activity). When an intent is used, data can also be attached to the intent so that more information can be given to the receiver of the intent.

**Resources and Drawable**

* Anything you use and shows up on your app (sounds, pictures, layouts)
* Drawable can include Bitmap or XML files for icons or backgrounds for views

**SVG vs PNG**

* SVG (preferred) is an image represented by vectors (scales well without becoming blurry)
* PNG

**Android’s Activity Lifecycle**

* Lifecycle is the process every activity goes through
* 1. Activity is shown in the `onCreate` phase
* 2. Activity completes series of actions
* 3. Activity is put on the onDestroy phase

**EditText View**

* Specific type of view that allows user input
* This input element can be modified to change number of lines the suer can input, text color

**Toasts**

* Small popup message automatically goes away after specified amount of time

View. Gone complete gets rid of the view object, no longer in view hierarchy

Def. An intent is an object that allow you to switch between different activities.

Logo

Description automatically generated

Now how to do we pass data between to different activity files?

Need to attach data to intent object

A vector drawable is a vector graphic defined in XML as a set of points, lines, curves, and color information.

* Vectordrawables are easy to animate (icon)

There are a few ways to get icons

Files that are not committed to Git are colored red