# Speech to Text

Two approaches

## Use Existing App

Speech Recognizer exists in Android

Execute it via implicit intent

Also requires action

Parameters(Language ?, Model of Language (Mostly free form), prompt message)



## Create own App

Extend class Speech Recognizer to build your own recognizer

# Fragments

We have a single app for all types of devices. We have different layouts to resolve the screen size issue a bit. However, they cannot solve if the size changes drastically. It will look awkward if the screen changes from portrait to landscape or else.

Divide the screen into multiple parts, and each part is controlled by its own controller.

Fragments are sub-activities or part of an activity. They need an activity to run but are fully-fledged controls.

There are two types of fragments:

* Static Fragments

Data can be changed, however fragment cannot be changed.

* Dynamic Fragments

Data and fragment both can be changed.

## Static Fragments

Data may be updated but not the positions of fragments.

## List Fragments





### Detail Fragment





### Main Activity





## Dynamic Fragments

### Code logic

Create menus

When specific menu clicked, that fragment be loaded into placeholder fragment.

Fragments should not be named statically.

1. To Load and manage, we have Fragment Manager class.



1. Start Transactions



1. Switch Fragments



1. Close transaction

