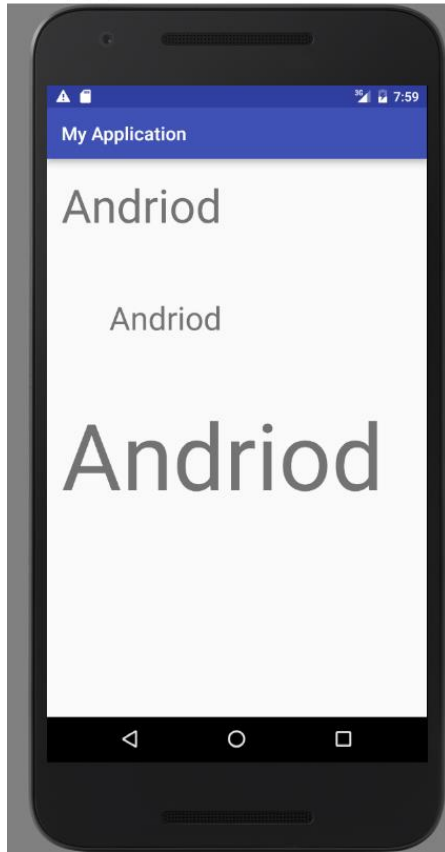


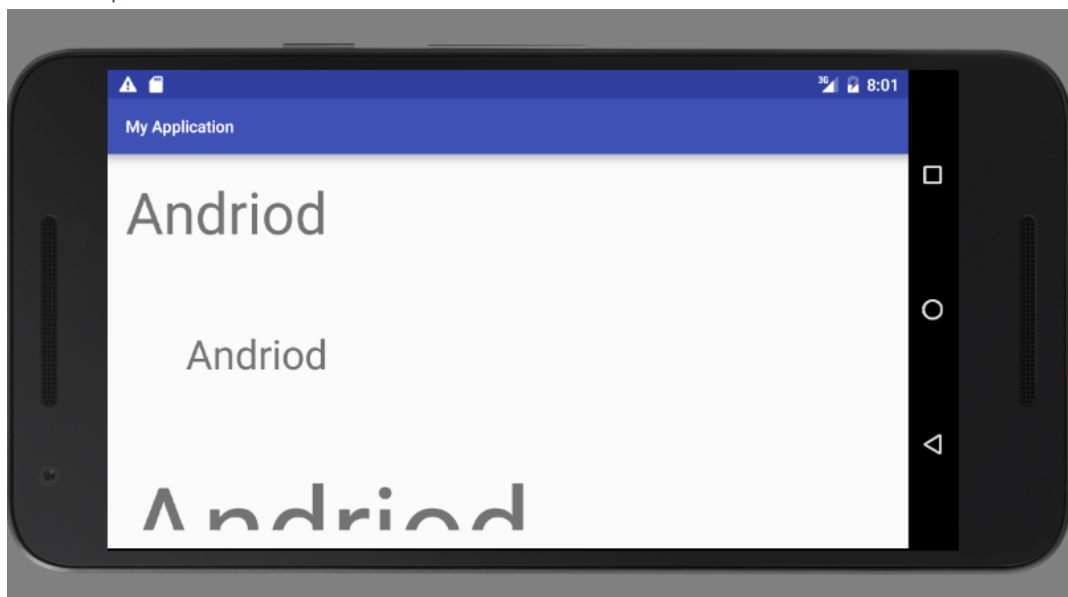
## Assignment 1

### Task 1

#### Portrait



#### Landscape



## Task 2

There are 3 key differences between a pc and a mobile device operating systems are:

1. Screen size and orientation

A mobile devices come in all different shapes and sizes ranging from 3- 6 inch screens. The operating system must be able to adjust to this and display the apps evenly no different to a normal pc, but some devices can be viewed in either portrait or landscape. This requires the device to a leveller inside it and whenever it reaches a certain point the device will change the screen orientation (if the app or device has a rotation block on it).

2. User input

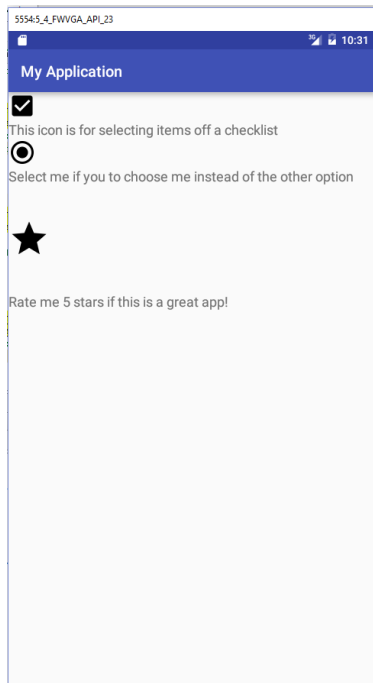
A mobile device has a keyboard which is touch screen which appears when you select a text box or if you select a drop down box you will be able to slide down with your finger and then select an object by pressing your finger on it. If you want to select an app all you do is press it with your finger. So basically you need your trusty finger to use a mobile device. Some do allow you to use other objects but some screens are heat sensitive so you might have to activate a setting to allow foreign objects to operate any user input.

3. Cellular data

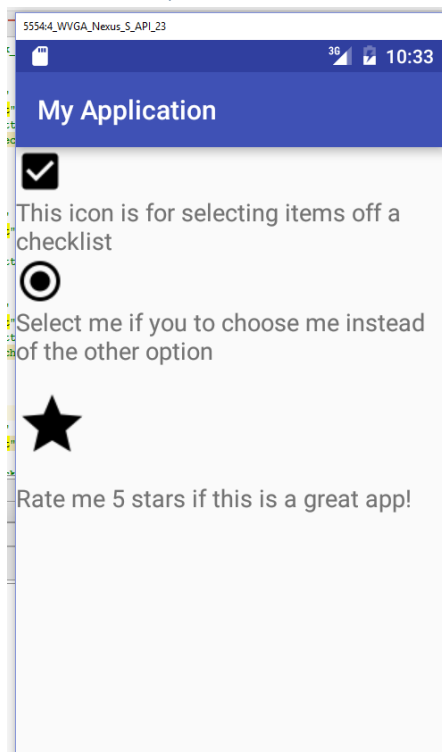
A mobile device must allow the use of cellular data so people can send and receive phone calls and text messages. The device has the ability to pause current apps when you answer the phone and then unpause if you wish to continue using the app while talking or when you finish talking.

## Task 3

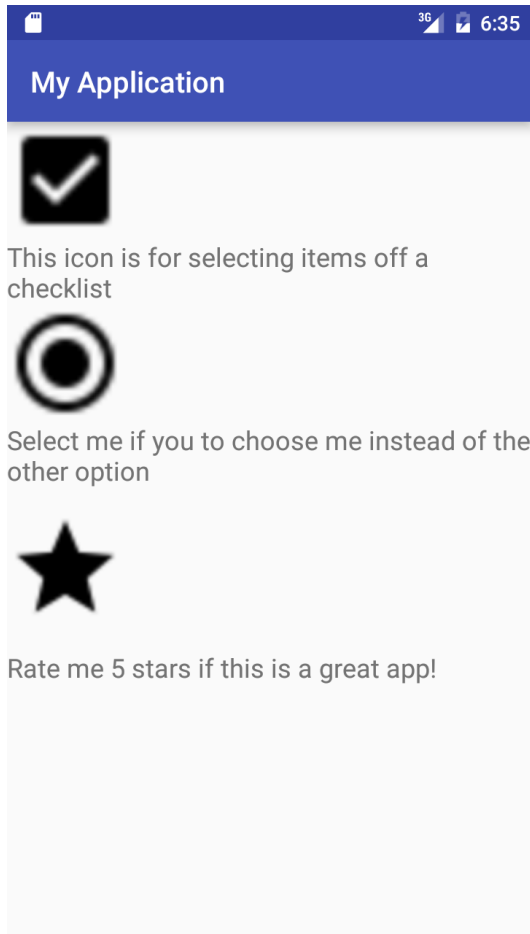
MDPI – 160dpi



HDPI – 240dpi



XHDPI



The reason why this isn't ideal because the low res phone has a smaller dpi. So when a high res phone loads the image, it will become pixelated and the image will not look good.

