

## Interactive Mobile Development

## Worksheet 5 - BroadcastReceiver - Incoming Call

You will be creating an application with 1 activity which shows a Toast once the device receives a call

N.B. run the application on the emulator to simulate an incoming call

- 1. Create a new Application called IncomingCallListener
- 2. Create a Main Activity (empty)
- 3. Create a new Java Class which extends PhoneStateListener
- 4. Override the method onCallStateChange() with the code below:

5. Register the Listener in the method onCreate() of the main Activity using the following code

- 6. Add the permission READ\_PHONE\_STATE
- 7. Use the Emulator to Simulate an incoming call
- 8. Add a ListView to the MainActivity and create a simple log of all calls
- 9. Make use of persistency of your choice to store the log