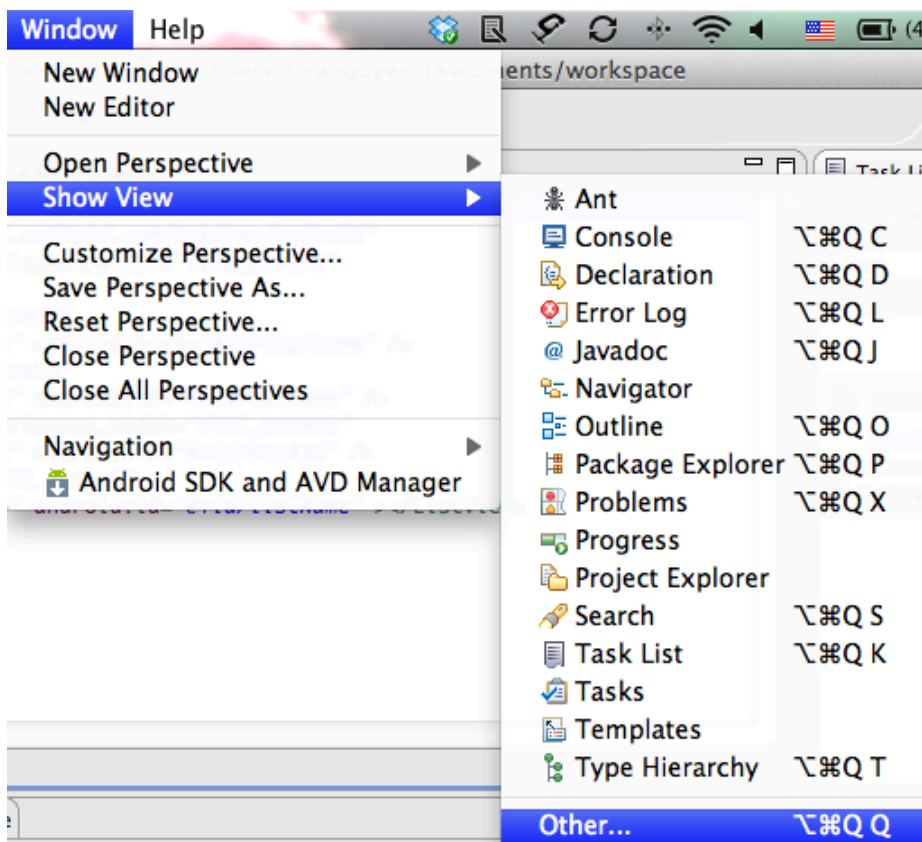# COSC2543 MOBILE APPLICATION PROGRAMMING

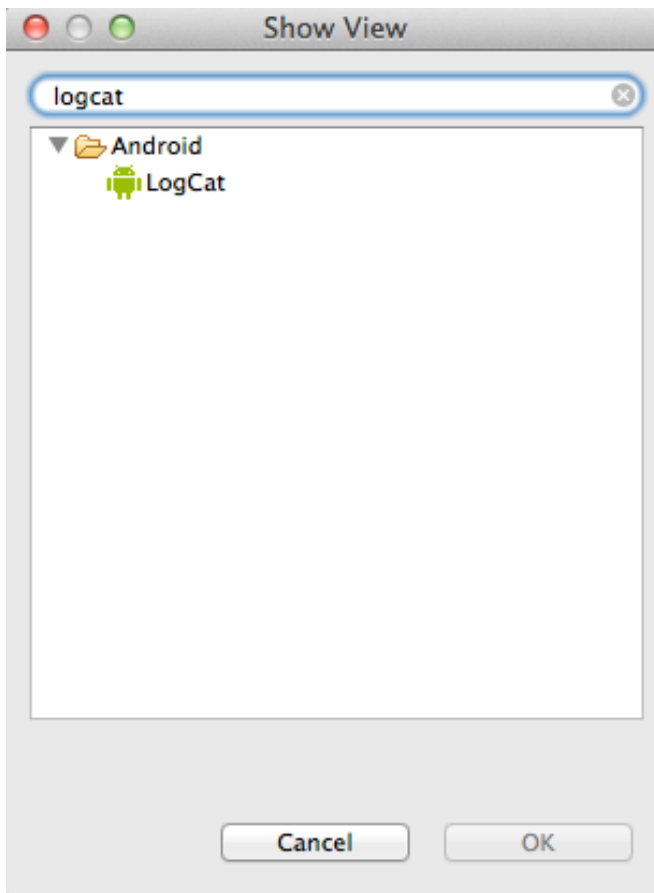## EXTRA (S) WEEK 9: DEBUGGING ANDROID USING LOGCAT

We'll use the Android Debug Bridge (ADB), which basically is a tool that runs on both your android platform (emulator or device), and your development computer. The ADB can be used via the command line interface, or just simply via Eclipse. We will be using Eclipse to debug since it's much easier. If you are debugging on a device, you first have to enable USB debugging. Go to the settings of the machine > software > development > USB-debugging

If you run on the emulator then we use Logcat to exchange information from the application on your device and the development computer.
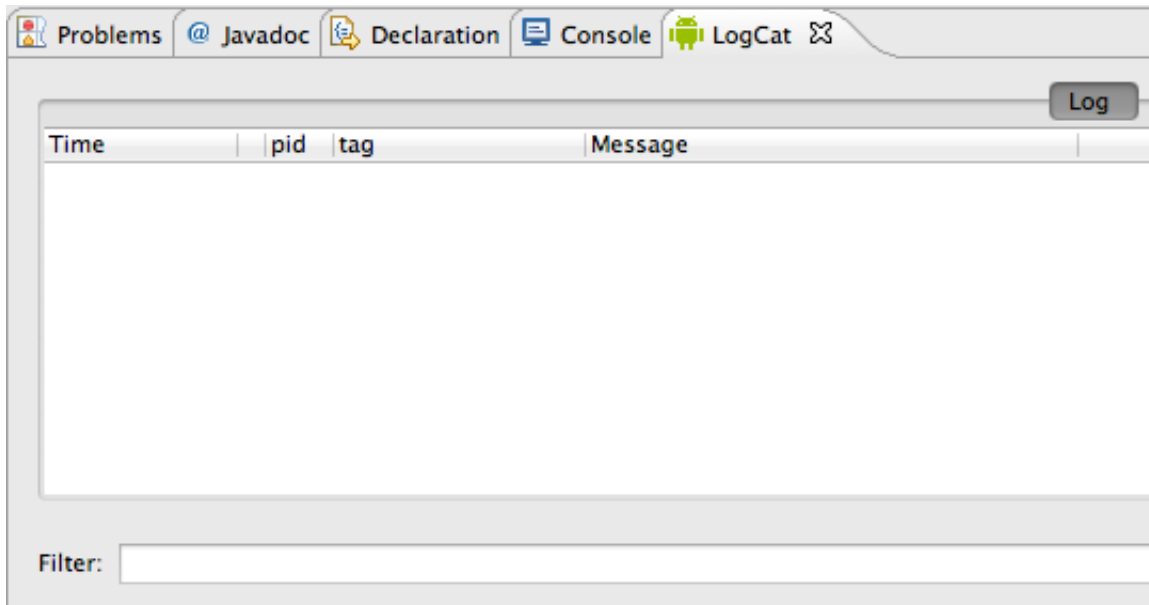
1. To enable Logcat Window, go to Window → Show View → Other

2. Search for Logcat → OK

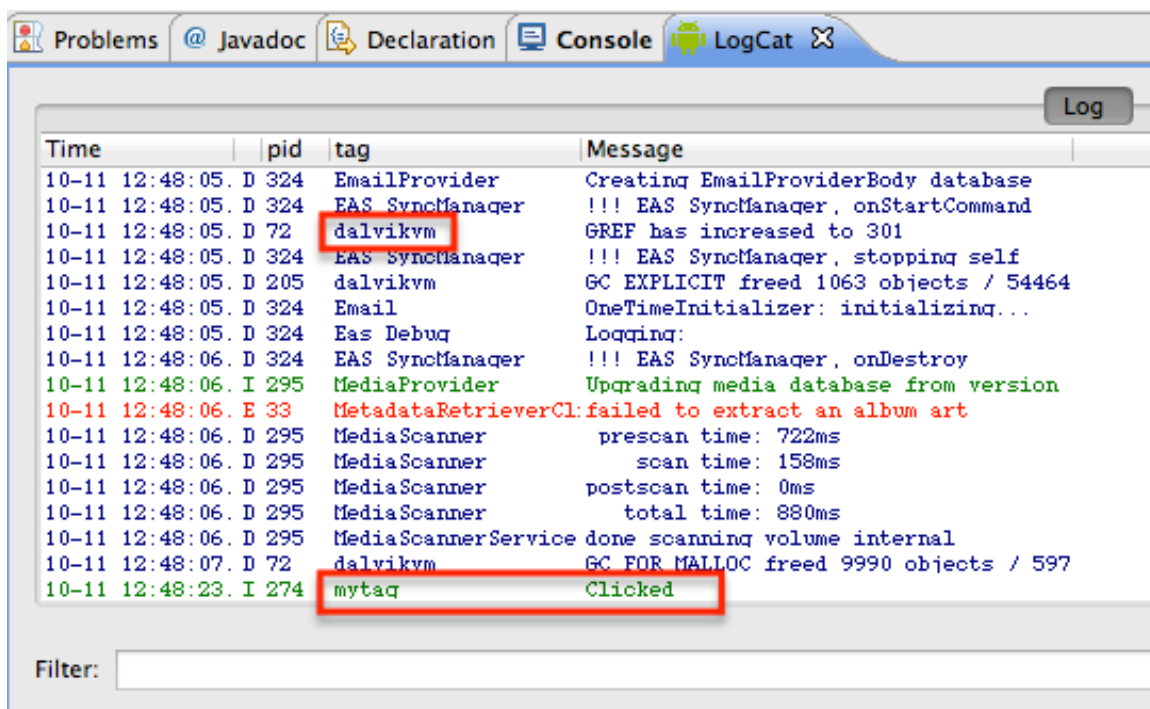In the bottom panel you will see Logcat

3. Logging your output

```
Button add = (Button) findViewById(R.id.btnAdd);

add.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        lst.add(txtName.getText().toString());
        txtName.setText("");
        listArr.notifyDataSetChanged();
        Log.i("mytag", "Clicked");
    }
});
```

4. Check Logcat for you logging. You will see your tag along with system tags in Logcat. You can use filter in Logcat Window to narrow the logging that ou want to see only.