

Using the ClassBuilder

The following is an example of using the ClassBuilder application from the command line. You need to add the mj.jar library to the classpath for the following to work. It also depends on the ant build tool and that the mj.jar library and the classes subdirectory are in the classpath environment variable.

This has not been tested from Eclipse. The ClassBuilder application writes into a 'src' subdirectory. If that needs to be modified for use in Eclipse, then please let me know.

Below is an annotated terminal output – the annotations are in bold italic. The user input is in bold.

```
~/Java/Projects/Example >java mj.ClassBuilder org.bu.Camera
```

```
Class name: Camera  
Package name: org.bu  
Parent class name: Object
```

```
Input required: the NAME of a property (or press return if no more properties)  
Enter response (or q to quit) > id  
Input required: the TYPE of the id property  
Enter response (or q to quit) > String  
Input required: WHETHER NULL VALUES ARE ALLOWED for the id property  
Enter response (or q to quit) > f (boolean value required)
```

```
Input required: the NAME of a property (or press return if no more properties)  
Enter response (or q to quit) > latitude  
Input required: the TYPE of the latitude property  
Enter response (or q to quit) > double  
Input required: WHETHER NULL VALUES ARE ALLOWED for the latitude property  
Enter response (or q to quit) > f
```

```
Input required: the NAME of a property (or press return if no more properties)  
Enter response (or q to quit) > longitude  
Input required: the TYPE of the longitude property
```

Enter response (or q to quit) > **double**
Input required: WHETHER NULL VALUES ARE ALLOWED for the longitude property
Enter response (or q to quit) > **f**

Input required: the NAME of a property (or press return if no more properties)
Enter response (or q to quit) > **(press return to write file)**
Filename: src/org/bu/Camera.java written

~/Java/Projects/Example >**ant** *(ant is a command line build tool)*
Buildfile: /Users/mwj/Java/Projects/Example/build.xml

compile:
[javac] Compiling 1 source file to /Users/mwj/Java/Projects/Example/classes

jar:
[jar] Building jar: /Users/mwj/Java/Projects/Example/Example.jar

BUILD SUCCESSFUL
Total time: 3 seconds

~/Java/Projects/Example >**java org/bu/Camera** *(generated class has a default main method)*
(one constructor accepts an HTTP get string as a parameter)
(classes directory must also be on the classpath)

Enter HTTP GET string for the Camera class > **id=ABC123&latitude=51.123&longitude=-2.301**
Object is an instance of the org.bu.Camera class *(using one of the generated display methods)*
public attributes:
 Id: ABC123
 Latitude: 51.123
 Longitude: -2.301