

CMSC 436 Quiz #11

May 2, 2013

Name: _____

Directory ID: _____

Problem 1

What is code coverage? [2pts]

Solution:

Code coverage is a measure which describes the degree to which the source code of a program has been tested. It could be based on the number of statements tested, the number of functions tested, or some other metric.

Problem 2

In general, for what purposes would you use a Mock object in Android testing? [2pts]

Solution:

Mock objects isolate tests from a running system by stubbing out or overriding normal operations. Mock object classes also facilitate dependency injection by providing a subclass of the normal object that is non-functional except for overrides you define. (For grading I would give full credit even if they give only one of these uses.)

Problem 3

What is GUI ripping? [2pts]

Solution:

A dynamic process in which the software's GUI is automatically "traversed" by opening all its windows and extracting all their widgets (GUI objects), properties, and values.

Problem 4

Determine the correctness of following statements. [1pts]

✓	✗	Description
<input type="checkbox"/>	<input checked="" type="checkbox"/>	It is theoretically possible to identify all dead code in any given program.