CMSC 435 (Section 0201) : Quiz 10

1. **Please remember to write your name and SSN on this sheet before handing it in.**

2. What is the purpose of smoke testing? What is a GUI smoke test suite?

   A sanity test or "smoke test" is a brief run-through of the main functionality of a program. It gives a measure of confidence that the system works as expected prior to a more exhaustive round of testing.

   A GUI test case is an event-sequence. A GUI smoke test usually consists of all length-1 and length-2 GUI test-cases. The purpose is to test basic functionality quickly.

3. List the modules of DART.

   - GUI reverse engineering tool: traverses and extracts the GUI model.
   - Test case generator: Creates smoke tests from the GUI model.
   - Expected state generator: Generates expected state as correct behavior.
   - Code instrumenter: Instruments code to get test coverage reports.
   - Test executor: Executes smoke tests and automatically generates error reports.