CMSC 435 (Section 0201) : Quiz 12

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

2. During smoke testing (a form of regression testing), test cases are executed on the latest version of the GUI. State differences between the previous version and latest version are reported as "potential problems." As discussed in class, one of the main goals of regression testing is "test selection", i.e., selecting a subset from the existing set of test cases. Explain how DART (daily automated smoke tester) handles test selection. List at least 2 ways in which the current DART technique for test selection can be improved. Explain why your solution is superior, both in terms of reduced cost and increased fault-detection effectiveness.

   DART currently does no test selection.

   Since DART currently does no test selection, even schemes like randomly selecting a subset of the test cases will improve cost (though not fault-detection effectiveness).