CMSC435 Software Engineering
Quiz 07
Name:

Mention the results of Model-Based GUI testing.

Event Flow Model contains Preconditions and Effects. Preconditions/Effects have been used for goal-directed test-case generation, test-oracle creation, and checking the model; the second part has been used for graph-traversal based test-case generation, test-coverage evaluation, genetic-algorithm-based test-case generation, and Bayesian-network-based test-case generation. Together, the two parts are used to represent user profiles and check for run-time consistency of the GUI.

Describe the purpose of Fault seeding.

Fault seeding is a common technique to introduce known faults into programs. It has several applications; in this scenario, it is used to create faulty versions of code. The goal is to execute test cases on the faulty versions and study the properties of the test cases that are successful at detecting the faults.