Use Case: Manage Packets
Scenario Name: Manage Packets
Description: An analyst makes use of the functionalities the system provides to perform a series of operations on the packets captured.
Actors: Network Sniffer, Fuzzer, and Analyst.
Pre-condition: Analyst has activated the packet interception functionality or packets have been intercepted previously.
Trigger-condition: Analyst has accessed the option that deals with packet modification.
Flow of events:
Step 1: Analyst selects the functionality called “package options”.
Step 2: System responds with a dialog with options to drop packets captured, modify packets captured, or send packets captured.
Step 3: Analyst chooses to send packets captured.
Step 4: System saves preferred packets from the queue of packets to be sent and exports these packets to the Packet Replayer.
Step 5: The Packet Replayer receives the packets and are sent to the specific destinations.
Step 6: System reads confirmation of the sending procedure.
Step 7: System displays confirmation to user.
Step 8: End of use case.

Alternative 1: Analyst modifies packets using the fuzzer.
Step 3: The Analyst selects to modify packets.
Step 4: The System allows the user to select the intercepted packets to be modified from the queue.
Step 5: The System prompts the analyst to select the modifications to be made to the packets.
Step 6: The System exports modification information of the packets and the packet files directory to the Fuzzer.
Step 7: The Fuzzer receives the modification instructions and the directory of the files and performs the ‘fuzzing’.
Step 7.1: Continue on Step 8.

Alternative 2: Analyst drops packets as intercepted.
Additional pre-condition: Analyst has activated the packet interception functionality or packets have been intercepted previously.
Step 2: The Analyst chooses to drop packets
Step 3: The System provides the Analyst with the queue of packets available and refreshes the options of packets to drop if live interception is activated.
Step 4: The System prompts the user to choose the packets to be dropped.
Step 5: The Analyst selects the packets to be dropped.
Step 6: The System prompts for a confirmation.
Step 7: The Analyst confirms the drop.
Step 7.1: The System eliminates from the root files the packets intercepted.
Step 7.2: The System shows a confirmation to the Analyst.
Step 7.3: The Analyst confirms the dialog.
Step 7.4: Continue on Step 8.