

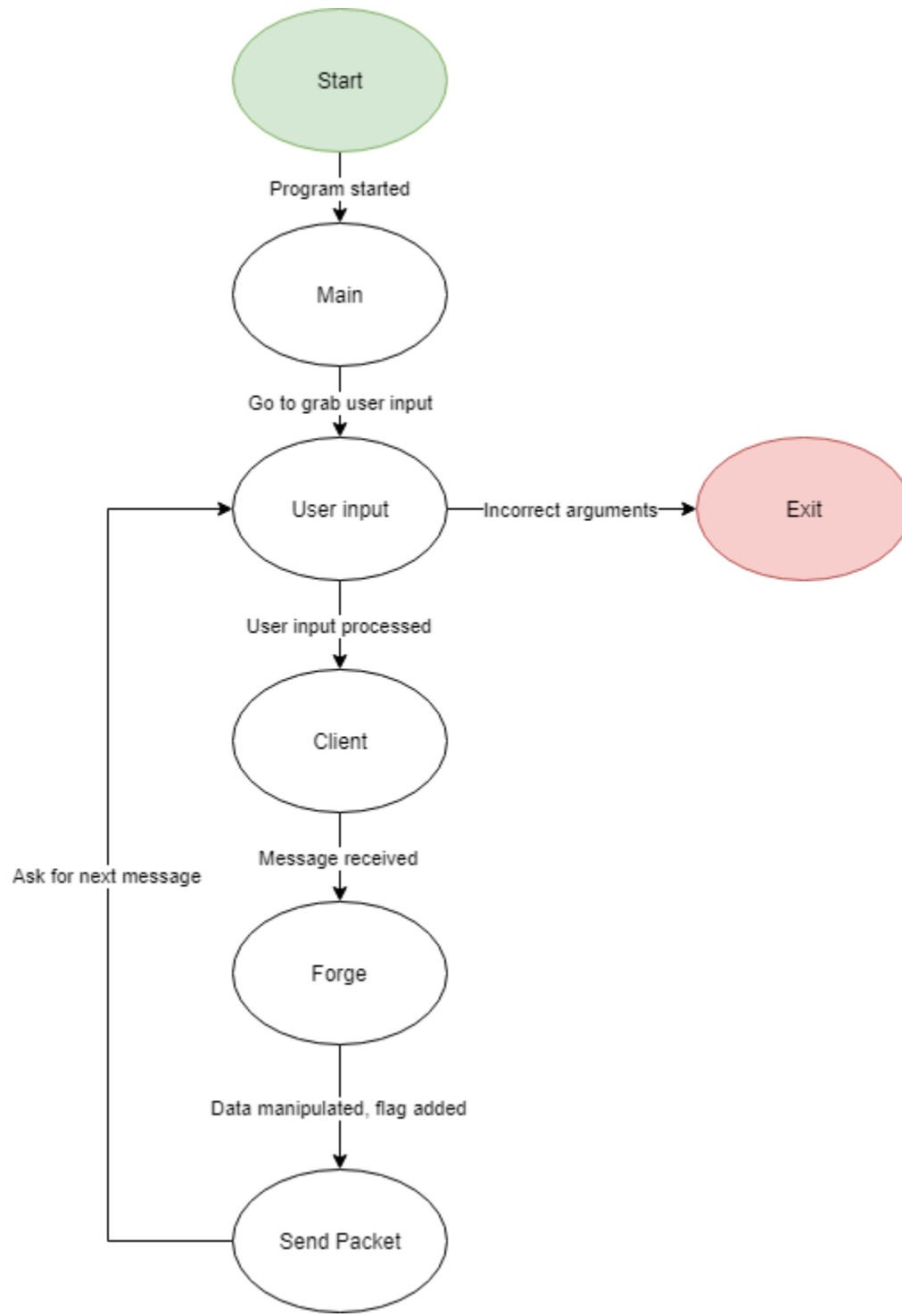
COMP 8505 ASSIGNMENT ONE DESIGN DOCUMENT

Yiaoping Shu

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State Diagram

Client Side



Pseudocode (Client)

start program

 main

 grab user input

 if user input invalid

 display error message

 exit

 client()

 client

 store data inside source port field

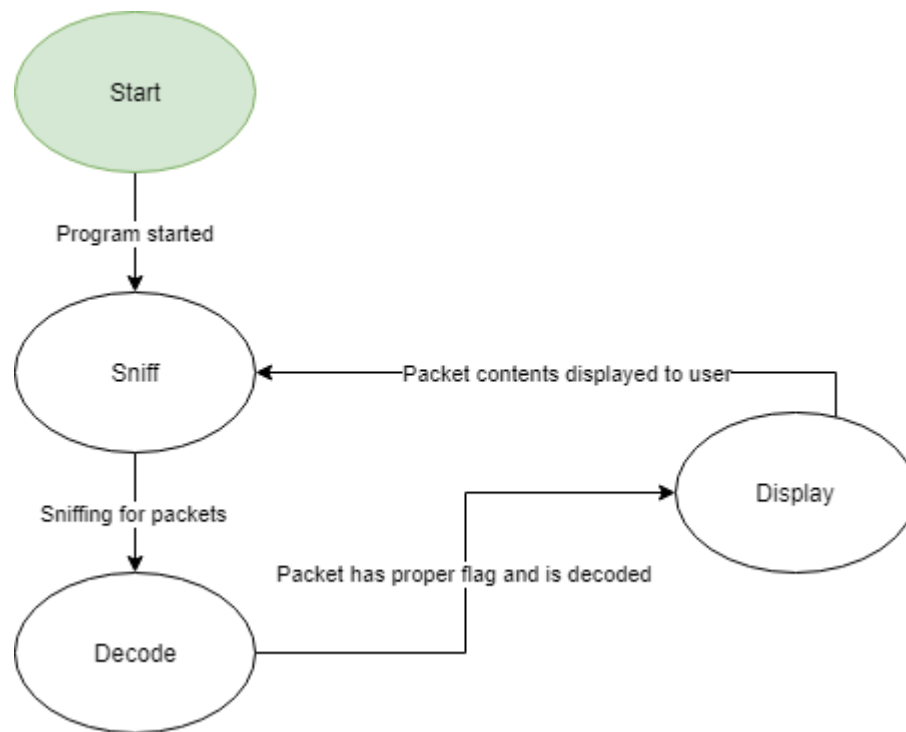
 add flag to packet to denote covert message

 set random timer to send packets

 send packet based on timer

State Diagram

Server Side



Pseudocode (Server)

start program

main

wait for incoming packets

if TCP traffic

if traffic has the correct flag denoting covert message

decode the message from source port

print message to user