

## SYSC 3303 Project Iteration 1

### Group 8

#### Files:

Client.java

Intermediate.java(Error simulator)

Server.Java

#### Instructions:

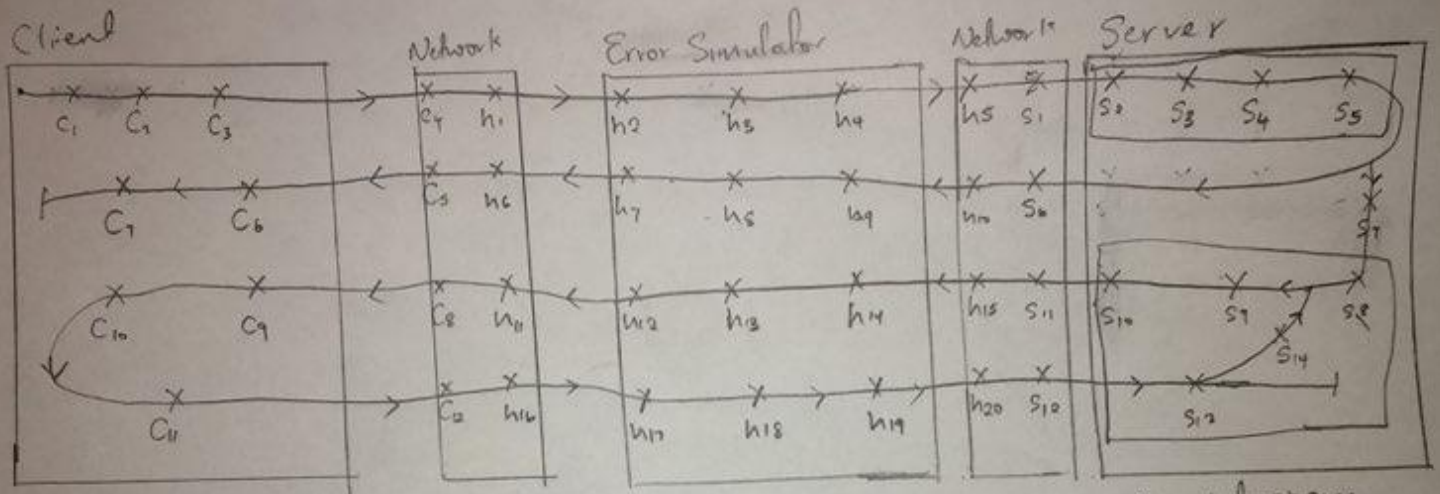
1. Compile all three classes
1. Run Server: main by running as >> Java Application
2. Run Intermediate : main by running as >> Java Application
3. Run Client: main by running as >> Java Application

#### Project breakdown

Theo Hronowsky worked on the server

Zein Haij-Ali worked on the client

Orinami Adam worked on the UML,UCM and README.txt documents.



- C<sub>1</sub> - Create request
- C<sub>2</sub> - Set type of request
- C<sub>3</sub> - Create datagram
- C<sub>4</sub> - Send datagram
- C<sub>5</sub> - receive datagram
- C<sub>6</sub> - extract message
- C<sub>7</sub> - Print message
- C<sub>8</sub> - receive datagram
- C<sub>9</sub> - extract response
- C<sub>10</sub> - verifies ACK
- C<sub>11</sub> - forms datagram
- C<sub>12</sub> - Send datagram

- h<sub>1</sub> - receive datagram
- h<sub>2</sub> - extract message
- h<sub>3</sub> - creates message
- h<sub>4</sub> - creates datagram
- h<sub>5</sub> - Send datagram
- h<sub>6</sub> - receive datagram
- h<sub>7</sub> - extract message
- h<sub>8</sub> - create message
- h<sub>9</sub> - create datagram
- h<sub>10</sub> - Send datagram
- h<sub>11</sub> - receive datagram
- h<sub>12</sub> - extract response
- h<sub>13</sub> - create response
- h<sub>14</sub> - create datagram
- h<sub>15</sub> - send datagram
- h<sub>16</sub> - receive datagram
- h<sub>17</sub> - extract ACK
- h<sub>18</sub> - create ACK
- h<sub>19</sub> - create datagram
- h<sub>20</sub> - Send datagram

- S<sub>1</sub> - receive datagram
- S<sub>2</sub> - extract message
- S<sub>3</sub> - verify message
- S<sub>4</sub> - create socket
- S<sub>5</sub> - create packet
- S<sub>6</sub> - send datagram
- S<sub>7</sub> - create new thread
- S<sub>8</sub> - create socket
- S<sub>9</sub> - create ACK
- S<sub>10</sub> - create datagram
- S<sub>11</sub> - send datagram
- S<sub>12</sub> - receive datagram
- S<sub>13</sub> - done
- S<sub>14</sub> - extract ACK

Intermediate
main(String [] args): main printPacket(DatagramPacket):void createSocket(int):DatagramSocket

Server
main(String[] args):void validatePacket(DatagramPacket):String printPacket(DatagramPacket):void createSocket(int):DatagramSocket saveFile(DatagramPacket):void

Client
main(String[] args):void createSocket(int):DatagramSocket createPacket(String):DatagramPacket printPacket(DatagramPacket):void