

Client
<div><div>- mode: String</div><div>- file: String</div><div>- sendReceive: DatagramSocket</div><div>- simulator: ErrorSimulator</div></div>
<div><div>+ printByteArray(array:byte[], length:int): void</div><div>+ createRequest(String, String, String): byte</div><div>+ launchUserInterface(void): void</div><div>- receivePacket(DatagramSocket, DatagramPacket, int): DatagramPacket</div><div>+ runClient(void): void</div><div>+ isValid(byte[], byte, int): boolean</div><div>+ error(byte, int): void</div></div>

Server
<div><div>- receivedFileName: String</div><div>- receivedMode: String</div><div>- receiveSocket: DatagramSocket</div><div>- shutdown: boolean</div><div>- activeThreads: Stack &lt;Integer&gt;</div></div>
<div><div>+ isValid(byte[]): boolean</div><div>+ write(byte[], int): void</div><div>+ read(byte[], int): void</div><div>+ runServer(void): void</div><div>+ error(byte, int): void</div><div>- receivePacket(DatagramSocket, DatagramPacket, int): DatagramPacket</div></div>

ErrorSimulator
<div><div>- clientSocket: DatagramSocket</div><div>- serverSocket: DatagramSocket</div></div>
<div><div>+ getClientPort(void): int</div><div>+ runSimulator(void): void</div><div>+ createFalsePacket(byte, byte, byte): byte[]</div></div>