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| *ServerThread* |
| #stopRequasted: Boolean  #sendReceiveSocket : DatagramSocket |
| +RequestStop(void) : void  +exitGraceFully(void) : void |

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| TFTPClient |
| -sendPacket : DatagramPacket  -recievedPacket : DatagramPacket  -generalSocket : DatagramSocket  -verbose: Boolean  -outPort: int  -reader: TFTPReader  -writer : TFTPWriter  -scan : Scanner  -fileChooserFrame : JTextArea  -file : File  -fileChooser : JFileChooser  - IN\_PORT\_HOST : int (23)  -IN\_PORT\_SERVER : int (69)  -MAX\_SIZE : int (512)  -OPCODE\_RRQ : byte[0 1]  -OPCODE\_WRQ : byte[0 2]  -OPCODE\_DATA : byte[0 3]  -OPCODE\_ACK : byte[0 4] |
| +getSentPacket(void): DatagramPacket  +getRecievedPacket(void) : DatagramPacket  +verboseMode(Boolean) : void  +testMode(Boolean) : void  +close(void) : void  - generateDATA(int) : void  - generateACK(byte[]) : void  - generateRWRQ(String, String, byte[]) : void  +sendWRQ(String, String) : void  - sendPacket(void) : void  +receieveAck(void) : void  +sendRRQ(String,String) : void  +receievePacket(String) : void  -printDatagram(Datagram) : void |

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| TFTPHost |
| -sendPacket : DatagramPacket  -receievedPacket : DatagramPacket  -inSocket: DatagramSocket  -outSocket: DatagramSocket  -generalSocket : DatagramSocket  -clientPort : int  -verbose : Boolean  -CLIENT\_PORT : int (23)  -SERVER\_RECEIEVE\_PORT : int (69)  -MAX\_SIZE : int(100) |
| +getInSocket(void) : DatagramSocket  +getOutSocket(void) : DatagramSocket  +getGeneralSocket(void) : DatagramSocket  +setClientPort(int) : void  +getClientPort(void) : int  +getReceievedPacket(void) : DatagramPacket  +setOutSocket(DatagramSocket) : void  +setVerbose(Boolean) : void  +receieveAndEcho(DatagramSocket) : void  +sendAndEcho(int,DatagramSocket) : void |

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| TFTPReadThread |
| -transcirpt : JTextArea  -receievePacket : DatagramPacket  -sendPacket : DatagramPacket  -sendSocket : DatagramSocket  -receieveSocket : DatagramSocket  -blockNumber : int  -threadNumber : String  -response : byte[0 3 0 0] |
| + TFTPReadThread(JTextArea, DatagramPacket, String, Bool)  +run(void):void |

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| TFTPWriter |
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| +write(byte[], String): void |

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| TFTPServer |
| +Request : enum  +readRsp : byte[0 3 0 1]  +writeRest : byte[0 4 0 0]  -sendPacket : DatagramPacket  -recievePacket : DatagramPacket  -sendSocket : DatagramSocket  -recieveSocket : DatagramSocket  -status : JTextArea  - verbose : Bool  -commandLine : JTextArea |
| +TFTPServer(String)  + getServerThreads(ThreadGroup) : thread[]  + receiveAndSendTFTP(void) : |

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| TFTPWriteThread |
| +transcript : JTextArea  -sendPacket : DatagramPacket  -recievePacket : DatagramPacket  -recievePacket1 : DatagramPacket  -sendSocket : DatagramSocket  -recieveSocket : DatagramSocket  -blockNumber : int  -threadNumber : String  - verbose : Bool  +response : byte [0 4 0 0] |
| +TFTPWriteThread (JTextArea, DatagramPacket, String, Bool)  +run (void) : void |

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| TFTPReader |
| +dataChain: LinkedList[Byte[]]  -MAX\_SIZE : int (512) |
| +readAndSplit (String) : void  +pop (void) : byte[]  +peek (void): byte[]  +isEmpty (void) : Boolean  +arrNum (void) : int |