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| --- |
| Host |
| #sendPacket: DatagramPacket  #receivePacket: DatagramPacket  #filename: String  #directory: String  #read: byte  #write: byte |
| +Host()  #sendaPacket(byte[], int, DatagramSocket, String): void  #receiveaPacket(String, DatagramSocket): void  +sendFile(String, DatagramSocket, int, String): void  +receiveFile(String, DatagramSocket, int, String): void  -createAck(int): byte[]  -createDataPacket(int): byte[]  -createDataPacket(byte,int):byte[]  -arrayCombiner(byte,String): byte[] |

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| --- |
| Printer |
| -isVerbose: boolean |
| +Printer()  +isVerbose(): boolean  +setIsVerbose(boolean): void  +printReceivedFile(String, DatagramPacket):void  +printRequestAndAck(String, DatagramPacket): void  +printReceiveData(String, DatagramPacket): void  -printSenderOrReceiverInfo(Boolean, DatagramPacket, String): void  -printBytes(byte[]): void |

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| FileTransferCleint |
| -sendReceiveSocket:DatagramSocket  -INTERMEDIATE\_PORT: int  -mode: Mode  -request: Request  -filename: String |
| +FileTransferClient()  +sendAndReceive(): void  -promptUser(): void  +main(String[]): void |

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| IntermediateHost |
| -sendSocket: DatagramSocket  -receiveSocket: DatagramSocket  -sendReceiveSocket: DatagramSocket  -PORT: int |
| +IntermediateHost()  +sendAndReceive(): void  -sendToServer(): void  -sendToClient(int):void  -receiveFromClient(): void  -receiveFromServer(): void  +main(String[]): void |

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| --- |
| FileTransferServer |
| -sendSocket: DatagramSocket  -receiveSocket: DatagramSocket  +SERVER\_PORT: int  +FILE\_NAME\_START: int |
| +FileTransferServer()  +sendAndReceive(): void  -run(): void  -sendNextPartofFile():void  -receiveNextPartofFile():void  -validate(byte[]): RequestType  -createRightPacket(RequestType, byte []):byte[]  +main(String[]): void |