

**Trivial File Transfer Protocol (TFTP):**

**Client-Server Implementation**

User Manual

SYSC3303

Project Team 4000000

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**Team Logistics**

**Iteration 1:**

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**Adam Staples**

- Test case implementation and testing

- UI work on Client and Server class

- UI debugging

**Dan Hogan**

- Wrote ServerThread.java

- In charge of merging code

- General debugging for all files

- Lots of debug for thread logic

- Github management

**Jason Van Kerkhoven**

- Wrote TFTPClient.java

- Wrote TFTPHost.java

- Wrote TFTPReader.java

- Debug Client-Server communication

- Read Me

**Nathaniel Charlebois**

- Wrote TFTPServer.java

- Wrote TFTPReadThread.java

- Wrote TFTPWriteThread.java

- Debugged thread logic

- Debug Client-Server communication

**Sarah Garlough**

- Wrote TFTPWriter.java

- UML artisan

- Group communication forum admin

- UI for Client and Server classes

- UCM MC

**Iteration 2:**

**Adam Staples**

- Debugged the writer

- Tested Functionality

**Dan Hogan**

- Update Readme

- Debug

- Add more exiting conditions

- Refactoring

**Jason Van Kerkhoven**

- Made UI

- Patch logic in Host

- Integrated UI with Server/Client

- Debugged Client and Host

**Nathaniel Charlebois**

- Added Server side error handling

- Timing Diagrams

- Debugger

- Refactored Server

**Sarah Garlough**

- Client Side Error handling

**Iteration 3:**

**Adam Staples**

- Bug Fixes

- Timing Diagram

- Corrected Old Timing Diagrams

- UML Artesian

- Testing the file transfers with and without errors

**Dan Hogan**

- Bug Fixes

- Improved TFTPServer directory chooser

- Small Features

- Added delay error into TFTPHost

- Readme

- Testing the file transfers with and without errors

**Jason Van Kerkhoven**

- Refactored UI

- Created InputStack.java and Input.java datatypes

- Integrated UI into TFTPHost

- Bug Fixes

**Nathaniel Charlebois**

- Server side re-transmission and timeout protocols

- Client side re-transmission and timeout protocols

- Server Thread debugging

- Server file writting debugging

- Bug Fixes

**Sarah Garlough**

- Bug Fixes

- Implimented lost, duplicate, and delay packets in TFTPHost

- Debugging for Host UI

- TFTPHost refactoring

**Iteration 4:**

**Adam Staples**

- Timing Diagram

- Testing new iteration 4 features

- Improvements to server output text

**Dan Hogan**

- Bug Fixes

- Testing new iteration 4 features

- Testing old iteration 3 features

- Code clean-up in server

**Jason Van Kerkhoven**

- UI updates for new errors

- Created DataArtisan.java and TrashFactory.java class

- Client error packet handling debugging + re-factoring

- Add data error in host implementation

- README

**Nathaniel Charlebois**

- Implemented unknown TID on server/client

- Implemented unknown opcode on server/client

- Implemented malformed payload detection on server/client

- Bug fixes on client and server

- Testing new iteration 4 features

**Sarah Garlough**

- Implemented opcode error in host

- Implemented TID error in host

- Implemented blocknum error in host

- Implemented mode error in host

**Iteration 5:**

**Adam Staples**

- Timing diagrams

- Consolidating UCMs and UML diagrams

- Testing

**Dan Hogan**

- Clean up/commenting for TFTPServer.java

- Clean up/commenting for ServerThead.java

- Clean up/commenting for TFTPWriteThread.java & TFTPReadThread.java

- Testing features

- General bug fixes

**Jason Van Kerkhoven**

- Clean up/commenting inputs package

- Clean up/commenting errorhelpers package

- Clean up/commenting ui

- README and User Manual writing (general technical writing)

- Host error input + Client/Host IP input

- General testing and debugging

**Nathaniel Charlebois**

- Client transfer over different IPs functionality

- Server transfer over different IPs functionality

- Testing features

- General client-server debugging

- Testing all features

- Clean up/commenting TFTPServer.java and TFTPClient.java

**Sarah Garlough**

- Host transfer over different IPs functionality

- Addition of format errors in Host

- Addition of filename errors in Host

- Testing features

- Host debugging

- Clean up/commenting TFTPHost.java