



Trivial File Transfer Protocol (TFTP): Client-Server Implementation

Team Logistics Breakdown

SYSC3303

Project Team 4000000

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Sarah Garlough

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Team Logistics

Iteration 1:

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 writing debugging
- Bug Fixes

Sarah Garlough

- Bug Fixes
- Implemented 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 ServerThread.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