

Project Plan

Date: Mar 27, 2017

Team: Dr. Stranger

Members: Jiacheng CHEN, Jiahuan HE, Jiayu WANG, Yiming JIANG

1. Project Goal

The goal of the project is to build a working system for file sharing. We suppose to have multiple servers (possibly start with two servers) running to provide services to interact with multiple clients. The client side may take the responsibility of connection establishment, forwarding the command to server, and handling the circumstances where the connection cannot be established. The server, on the other hand, will handle all the coming messages from the client and provide functions like publishing files, sharing files, removing files, querying files, downloading files, and exchanging information with other known servers.

2. Tools and Communication

We have decided to use Git to perform version control and created repository on Github. Besides, we will use our WeChat group as preferred communication tool, and we will hold a weekly meeting on every Monday afternoon.

3. Timeline

The whole period for development would be 4 weeks. We have all agreed on the first week to work out a couple of elements that has lower dependencies, and then implement all required functions on a working product by end of the second week. For week three, we plan to perform detailed testing on all aspects of the system and finally, writing reports in week four.

	End By	Periodic Goals
Week1	2-Apr	Achieving Basic Server Functions
Week2	9-Apr	Working System with All Required Functions
Week3	16-Apr	Testing and Improvement
Week4	23-Apr	Writing Report

4. Decomposed Tasks and Allocation

Please see below:

	Decomposed Tasks	Assignee	Due
Client			
	Connecting to server	Yiming Jiang	3-Apr
Server			
	Parsing the command to JSON	Yiming Jiang	3-Apr
	Publish function	Jiacheng Chen	3-Apr
	Share function	Jiacheng Chen	3-Apr
	Query function	Jiayu Wang	3-Apr
	Exchange function	Jiayu Wang	3-Apr
	Fetch function	Jiahuan Chen	3-Apr
	Remove function	Jiahuan Chen	3-Apr
	File compiling and transferring	Not assigned	10-Apr
	Multi-threading server	Not assigned	10-Apr
	Concurrency handling	Not assigned	10-Apr
	Testing and more features	Not assigned	17-Apr
	Writing report	Not assigned	17-Apr