

# CS 382 Assignment 2 Marking Scheme

## Directory Structure

### Testing

- Server
  - server.py/server.java
- Client\_1
  - client.py/client.java
- Client\_2
  - client.py/client.java

## Testing Steps

1. Run server using:

```
server 8080
```

2. Place a text file, "foo.txt" in Client\_1 with following content:

```
foo
```

3. Place an audio file in Client\_1 as well which will be called a\_file\_1 from now on.
4. Run client in Client\_1 using:

```
client localhost 8080 c1
```

5. **Check that foo.txt and a\_file\_a are copied to the Server.**

6. Run client in Client\_2 using:

```
client localhost 8080 c2
```

7. Create a Sharefile.dropbin in Client\_1 with following content:

```
foo.txt c1  
a_file_1
```

8. **Check the foo.txt and a\_file\_1 are copied to Client\_2.**

9. Change the content of foo.txt in Client\_1 to:

```
bar
```

10. **Check the foo.txt in Client\_2 is updated as well.**

11. Create a Selectfile.dropbin in Client\_1 with following content:

```
foo.txt c1
```

12. **Check that a\_file\_a is removed from Client\_2 as well as the Server.**

13. Kill the server and change the content of foo.txt in Client\_1 to:

```
foobar
```

14. Restart the server.

15. Check that foo.txt is updated on the server and in Client\_2.

16. Kill the client and change the content of foo.txt in Client\_1 to:

```
foofoobarbar
```

17. Restart the client.

18. Check that foo.txt is updated on the server and in Client\_2.

## Bonus

1. +5 if everything works without a hitch.
2. +5 if code is neat and easily readable.

## Deductions

1. -5 if arguments are handled differently.
2. -5 if sleep is used to prevent concatenation of messages etc.
3. -5 if working directory, ip, ports and or username are hard coded (only once).