CS 372 **Programming Assignment #2 (2 programs)** Due before midnight, Sunday, end of Week 9

Student Name:	
Grader Name:	

		Possible	Points	Comments
Documentation (6 pts)				
	Header block with name, etc.	2		
	Function descriptions, comment outline	4		
Verification (32 pts)				
	ftserve starts on host A, validates the parameter, and waits on	2		
	<server_port> for client request</server_port>			
	ftclient starts on host B, and validates parameters	2		
	ftserve and ftclient establish a control connection	2		
	ftclient sends a command	2		
	ftserve accepts and interprets command	3		
	ftserve and ftclient send/receive control messages on the control	2		
	connection			
	ftserve and ftclient establish a data connection	2		
	When appropriate, ftserve sends its directory to ftclient on the data	3		
	connection, and ftclient displays the directory on-screen			
	When appropriate, ftserve validates filename, and either sends the	6		
	contents of <i>filename</i> on the data connection or sends an appropriate			
	error message to ftclient on the control connection (error 2 pts, short			
	file 2 pts, long file 2 pts)			
	ftclient saves the file, and handles "duplicate file name" error if	3		
	necessary			
	ftclient displays "transfer complete" message on-screen	1		
	ftserve closes the data connection after directory or file transfer	1		
	Control connection closed by ftclient	2		
	ftserve repeats until terminated by a supervisor	1		
Requirements (8 pts)				
	Files submitted correctly	1		
	Well-modularized:	4		
	server has at least startup, handleRequest functions			
	client has at least initiateContact, makeRequest,			
	receiveFile functions			
	Does not use sendfile, etc.	2		
	Note: additional points may be lost under "Verification"			
	Runs on flip	1		
	ftserver in C, ftclient in Python or Java	0		
	(deduct up to 40 points for improper languages)			
	Cites sources for borrowed code	0		
	(deduct up to 40 points for sources not cited)			
Coding Style (4 pts)				
	Coded using readable indentation, white-space, etc.	2		
	Useful, readable output	2		
Extras				
	Server is multi-threaded	0		
	Client can change server directory	0		
	Other?	0		
Total		50	0	