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 <SERVER_PORT> for client request	2		
	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 connection	2		
	ftserve and *ftclient* establish a data connection	2		
	When appropriate, *ftserve* sends its directory to *ftclient* on the data connection, and *ftclient* displays the directory on-screen	3		
	When appropriate, *ftserve* validates *filename*, and either sends the contents of *filename* 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)	6		
	ftclient saves the file, and handles "duplicate file name" error if necessary	3		
	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:
	    server has at least *startup*, *handleRequest* functions
	    client has at least *initiateContact*, *makeRequest*,
	       receiveFile functions
		4		

	Does not use *sendfile,* etc. Note: additional points may be lost under "Verification"	2		
	Runs on *flip*	1		
	ftserver in C or C++, *ftclient* in Python or Java (deduct up to 40 points for improper languages)	0		
	Cites sources for borrowed code (deduct up to 40 points for sources not cited)	0		
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	