## Danutella Verification

## The following tests were performed, with the results and correctness shown:

Test	Result	Correct?
Get a file when only the origin server has it	Broadcast query message and	YES
	receive download via Origin	
	Server	
Get a file that has been replicated across	Receive the file from the closest	YES
multiple servers	server and ignore hitQueries	
	from other peer.	
Get a file that is expired on certain peers	Peers with expired-TTR files do	YES
	not send back hitqueries	
Get a file that is invalid	Peers with invalidated files do not	YES
	send back hitqueries	
Listing files that are invalid	Only files from other peers that	YES
	are old are shown as invalid	
Listing files to see which are owned by me	Shows +++ to indicate this file is	YES
	owned by you	
Editing a file in push mode	Sends invalidation message that	YES
	invalidates the file in other peers	
Editing a file in pull mode	Changes version number only	YES
Editing a file that isn't yours	Not allowed (error message	YES
	shows up)	
Refreshing when you have invalid files	Redownloads them straight from	YES
	the origin server	
Polling the origin server for a still-valid file	Updates the file's TTR	YES
Polling the origin server for an invalid file	Invalidates DanFile	YES

Sending multiple messages on the network	All messages are kept in order, no	YES
	dropped or forgotten queries and	
	proper back-channels are	
	established via associative array	
Downloading a file from a peer that is offline	Prints an error message	YES?
Polling for a file whose origin is offline	Prints an error message	YES?

Note that the last few tests are not ordinary at all because this is a statically allocated network and all peers are on the same machine, expected to be up.