

Transition/Thread	Main (WebServer) - 0	Downloader - 1	Worker - 2
1-15	initialize web server	Initialize first downloader and 2nd downloader, 1st downloader finishes reading everything, it has not signalled that it has finished. Waits for the lock to signal it has finished and close the output file connection	
16-75		2nd downloader initialized, reads in all the data it needs and prepares to close output file connection	
76		2nd downloader still has the output lock, main downloader has not signalled that it has finished writing everything so 2nd downloader closes the output connection	
77-78		Main downloader acquires lock, sets the main_finished flag	
79-82		Main downloader still has the lock, tries to close the output connection again	