1 PLAN

My plan was to first look at no-op to understand IO schedulers work. I looked at the modularization of the functions, and saw that dispatch executed the request while add managed putting the request in the correct place. I then drew out how the add and dispatch function should work on paper. Then using no-op af a reference, I used the correct struct, etc. to finish the implementation.

2 REFLECTIONS

1. I think the point of the assignment was to let us figure out how to use kernel modules, and figure out complex code ourselves.
2. I approached the problem in two parts. First, how did elevator work. Once I figured that out, I moved on to figuring out how to implement it and include it in the kernel.
3. I made sure it compiled, make sure the kernel used it as default by setting options, fixed many kernel panics, and used printk statements to show my code was actually running. Doing basic file operations worked.
4. I learned how Kernel moduels work, and a lot about Disk I/O and kernel data structures.

Detail	Author	Description
004820e	Taylor Fahlman	Now final makefile
3b6ac89	Taylor Fahlman	final makefile
274304e	Taylor Fahlman	Finished up
a107a20	Taylor Fahlman	Used this implementation
1d76d01	Taylor Fahlman	Using this page http://www.chronox.de/crypto-API, I created a cipher structre.
95a5cc9	Taylor Fahlman	Included crypto ai
bdb3470	Taylor Fahlman	Fixing make errors
7750ae7	Taylor Fahlman	changed function calls to match the most up to date example
58aab9a	Taylor Fahlman	Remove pointer to correct make errors
31dc222	Taylor Fahlman	Fixed xfer$_b iobasedonnewcode$
20dad18	Taylor Fahlman	Moved sbd to bottom in case of dependencies
ee7413d	Taylor Fahlman	Found much newer sbull implementation, using that
5f9ca5b	Taylor Fahlman	More cleanup from ldd3
613f79c	Taylor Fahlman	Added target to makefile
812e57e	Taylor Fahlman	udpated to change deprocated functions
ecc9f2a	Taylor Fahlman	Kconfig target
2acc30c	Taylor Fahlman	sbd target in makefile
f1c3325	Taylor Fahlman	Invalidate, ldd3
9b782d9	Taylor Fahlman	sbd exit, from ldd3 full implementation
a0a30d2	Taylor Fahlman	Completed init based off full ldd3 implementation
a5bbcbf	Taylor Fahlman	simple request, from ldd3
c3370db	Taylor Fahlman	oops, moved the code to the real function
ea44a81	Taylor Fahlman	Handle requests without queue, from ldd3
556b807	Taylor Fahlman	xfer$_b io, fromldd3$
043e549	Taylor Fahlman	xfer$_r equest, fromldd3$
379346f	Taylor Fahlman	Full request, ldd3
c72f15f	Taylor Fahlman	transfer, controls size of copy
78b54a5	Taylor Fahlman	Revalidate, from LDD3
72ad4fb	Taylor Fahlman	commit 69c6d65e9ca64cf710b2395fb93e8503a453b177 Author: Taylor Fahlman ¡you@
d55496c	Taylor Fahlman	Added skeleton sbd
b24b56f	Taylor Fahlman	Making sure I have a copy of sstf-iosched
d9422f6	Taylor Fahlman	Cleaning up before proejct 3
98906f4	Taylor Fahlman	Actually increased searchers
f196652	Taylor Fahlman	Added explanitory comments
d407207	Taylor Fahlman	trying to stop segfault
646563d	Taylor Fahlman	Started threads
5ed8151	Taylor Fahlman	Created base threads and function pointers
4e7f088	Taylor Fahlman	searcher too
127ed1f	Taylor Fahlman	Need to make sure delete doesnt delete a non existant node
2cf1762	Taylor Fahlman	Searcher waits until there is one deleter
d85c03a	Taylor Fahlman	Inserter waits until it's the only inserter and there are no deleters
c485a95	Taylor Fahlman	Deleter now waits until it is the only thread running
7febf0e	Taylor Fahlman	Created global counters for threads
c9d6380	Taylor Fahlman	Added deleter
c851c1d	Taylor Fahlman	Restructured a bit, and it works now
55cb7dc	Taylor Fahlman	Changed name of argument for threads
c5dc7e1	Taylor Fahlman	Added another struct to handle all the arguments the threads will ened
cd77e11	Taylor Fahlman	Void number argument to deleter to count number of links
6a3ca86	Taylor Fahlman	Get out of here
23140fd	Taylor Fahlman	Infinite for loop in main
851e6f5	Taylor Fahlman	Track number of links with item member variable, corrected makefile issues
1b669a7	Taylor Fahlman	Added void argument to searcher so it can know how many links to traverse
78be4af	Taylor Fahlman	inserter skeleton
f996c00	Taylor Fahlman	Added global buffer
d78b590	Taylor Fahlman	created linked list and linked list item
3a339f3	Taylor Fahlman	Changed make clean to target the a3 executable
b204075	Taylor Fahlman	Outline of searcher, inserter and deleter functions