Week 9

* Wrote some routines for shell program for preventing crash on unexpected cases
* Tested the shell program with default file system in Mac
* Searched online for FUSE examples to understand its working
* Studied BBFS code and understood how to write FUSE programs
* Ran into some permission problems with FUSE and contacted TA for help with no solution

Week 8

* Tweaking shell program design for making use of directory structure
* Shell program code almost complete
* Adding documentation
* Exploring sample FUSE codes as online documentation is not clear enough and no hard bound books available in library.

Week 7

* Designed simpler File System structure involving only directories
* Verified new structures viability with professor
* Started working on documentation and presentation
* Studying FUSE structure and functions in depth to expedite file system creation

Week 6

* Worked on shell program
* Designed and implemented algorithm for merging two trees
* Added functions for simplified and faster operations
* Started working on implementing the custom language

Week 5

* Revisited the logical design due to inherent structural problems
* Redesigned the logical structure
  + Two structs instead of four
  + Simplified linked lists
* Implemented the working version with
  + Adding new frames to graph
  + Adding images to frames
  + Print all frames and their images

Week 4

* Reworked serialization structure.
* Awaiting serialization APIs from Dheraj.

Week 3

* Completed design of first version of data structure
* Designed logical structure of the data structure
* Implemented an initial working prototype of the data structure.
  + Implemented Frame and Image structure
  + Print contents of frame
  + Write images to frame
  + NOTE: No data is serialized

Week 2

* made decision to implement FS in fuse
* data structure design almost complete
* continuing research on implementation details
* Read paper on LiFS
* Implemented a sample FS in FUSE to get acquainted with its design paradigm
* Started designing logical representation of data structure for the Shell

Week 1

* initiated designing of data structure for file system
* fixed weekly goals
* discussed design decisions with Dr. Andy Wang
* studied FUSE and Kernel FS