Report

1. In my project I have implemented the following functions in cpmfsys.c

DirStructType \*mkDirStruct(int index,uint8\_t \*e);

void writeDirStruct(DirStructType \*d, uint8\_t index, uint8\_t \*e);

void makeFreeList();

void printFreeList();

int findExtentWithName(char \*name, uint8\_t \*block0);

bool checkLegalName(char \*name);

void cpmDir();

int cpmRename(char \*oldName, char \* newName);

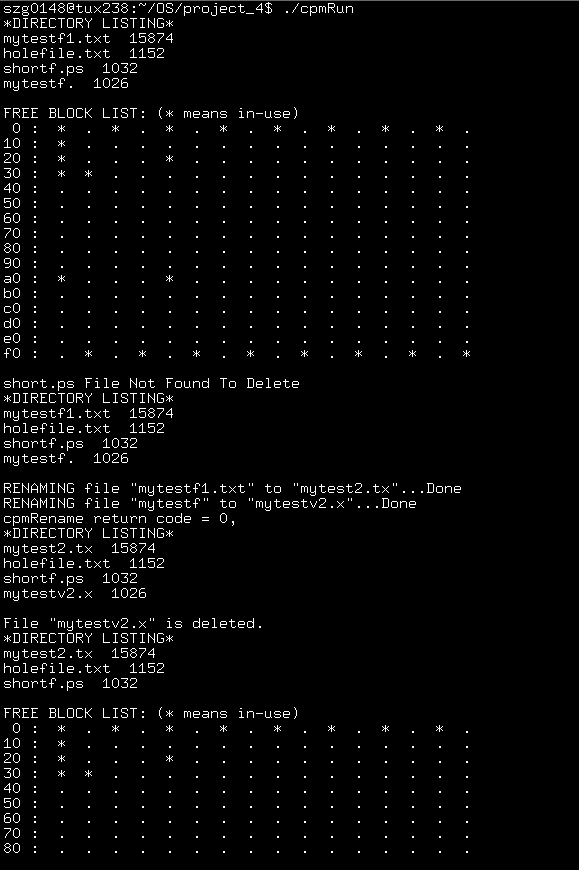
int cpmDelete(char \* name);

1. Firstly we need to run the makefile using the command

make -f Makefile

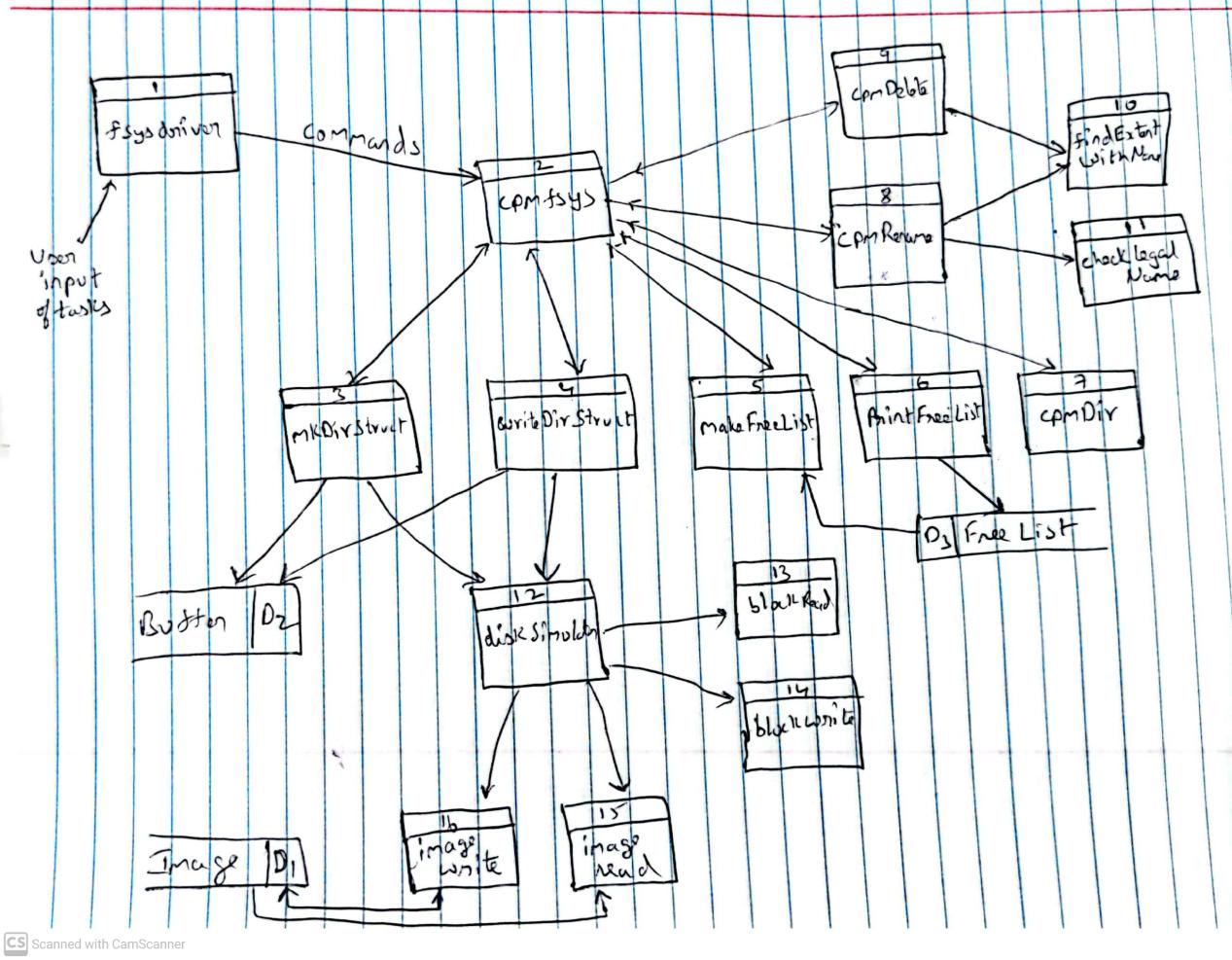
1. We can see that cpmRun executable file being created
2. When we run the cpmRun using the command

./cpmRun , we get the following output



1. We need to specify the commands we want to run in fsysdrive.c

The design for the project is as follows



In this project I learned

Memory Allocation and freeing up of space after using the buffer

I learned how to implement a file system

I learned how to debug code using gdb tools.