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CprE 308
Section D
Lab 08

In this lab, I learned about a lot of different things. First of all, I learned about the FAT file system organization. In the last lab, we learned about the boot sector of the FAT file system. This time we learned about the actual structure of the root directory section of the floppy image. In learning about this, I was also able to get practice using bitwise operations in C. This was a pretty important part of the lab.

One of the more challenging parts of this lab was figuring out how the C template we were provided with works. Trying to figure out what each of the parameters for the functions meant, was a bit of a challenge. But once I figured that out actually implementing the parsing wasn't too difficult. I was able to use tools from the last lab to debug issues I was having.

Output:

```
-bash-3.2$ ./fat12ls image
Filename     Attrib      Time        Date        Size
16SEC   .TXT     A     20:58:10    2002/11/6   331
1SEC    .TXT     A     20:58:10    2002/11/6   331
2SEC    .TXT     A     20:58:10    2002/11/6   332
4SEC    .TXT     A     20:58:10    2002/11/6   331
8SEC    .TXT     A     20:58:10    2002/11/6   331
BIG     .LOG     A     21:19:00    2002/11/6   62559
(R)ead Only (H)idden (S)ystem (A)rchive
```