

Project 2

Due: Final Exam

Write a menu driven application that is going to use the hierarchy that you have written for homework 8 and the functions that you have written for homework 9. You will keep track of the collection of Files in a vector (File pointers, since File is an abstract class). The menu should contain the following options:

1. Read from a File (Read descriptions of Files from "files.txt" creating appropriate File object and putting it inside your vector. The file.txt will be provided)
2. Create an Image File (Creates a single Image File asking the user for its properties)
3. Create a Text File (Creates a single Text File asking the user for its properties)
4. Print All Files (You must use functions written for homework 9)
5. Print Image Files (You must use functions written for homework 9)
6. Print Text Files (You must use functions written for homework 9)
7. Delete a file by file name and type (Removes a file from a vector)
8. Quit (Terminate the program)

Here are the contents of the **file.txt** that you can use for testing purposes.

```
txt
students
500

txt
files
120

gif
picture1
100 x 200
8

gif
picture2
200 x 300
16

txt
testfile
450
```

Submit your project to your recitation instructor.