L A B 6 G R A D I N G S H E E T

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Student Name:

1003

CS2020-Section:

We will grade the following items for this lab exercise. Make sure you turn in all required parts at the end of the lab time.

\_\_\_/2 Grade uploaded to Canvas by due date/time

\_\_\_/2 All needed files present in the CS2020 BGLinux directory at the time of collection (lab6.cpp, lab6.log, lab6.txt, dvds.txt)

\_\_\_/2 Program header, function headers and in-line comments, white space, meaningful variable and constant names are used. Good programming style is evident with appropriate helper functions and no unnecessary duplication of code.

\_\_\_/7 CreateDVDLinkedList function

ShowDVDInformation function

DisplayDVDLibrary function

FindDVDbyTitle function

CheckOut function

CheckIn function

DeleteList function

\_\_\_/3 Program can be run (i.e., executes with no errors), photo file contains the requested

sequence of commands. Program is executed with .\a.out < lab6.txt

\_\_\_/2 Memory for storing dvd data is allocated dynamically (new) and properly deallocated (delete).

\_\_\_/2 Answer the questions below

|  |  |
| --- | --- |
| What advantages are there to storing dvd data in a linked list of structures rather than an array of structures? | To keep everything in order. |
| Would it be easier/harder to display the list of dvd in reverse order when stored as a linked list vs. stored in an array? How would this be implemented in each case (list vs. array)? | Would take extra steps to go backwards in a linked list vs. an array. |

\_\_\_/20 **Total points**