



HUMBER

School of Media Studies
& Information Technology

GAME255 DATA STRUCTURES AND DESIGN PATTERNS

LAB 4: HASH TABLE RESIZING

PROFESSOR: Jean – Paul Amore

GRADE VALUE: 25 Marks = 6% of Final Grade

END DATE: Week 6

**LEARNING OUTCOMES
TARGETTED:** Be able to use and build vectors, list, stacks, queues, trees and graphs.

REQUIREMENTS:

Using the attached project solution, complete the implementation for Hash Table resizing using separate chaining and the file HashTable.h. The Hash Table should complement the functionality of main.cpp.

DELIVERABLES:

Submit the implemented Separate Chaining Hash Table HashTable.h file.



| LAB #4 | | | | | | |
|---------------------------|--------------------------------|--|--|--|--|---|
| CRITERIA | 0 POINTS | 1 POINT | 2 POINTS | 3 POINTS | 4 POINTS | 5 POINTS |
| 1. LOGIC | Did not submit | Does not demonstrate ability to use logical process | Poorly demonstrates ability to use logical process | Somewhat demonstrates ability to use logical process | Demonstrates ability to use logical process | Demonstrates exceptional ability to use logical process |
| 2. EFFICIENCY | Did not submit | Does not demonstrate any efficiency | Poorly demonstrates efficiency | Demonstrates some efficiency | Demonstrates efficiency | Demonstrates exceptional efficiency |
| 3. FUNCTIONALITY | Did not submit | Asset is not functional | Asset is barely functional | Asset is somewhat functional | Asset is functional | Asset is exceptionally functional |
| 4. PROCESS & ORGANIZATION | Did not complete assigned work | No code follows a systematic and organized approach to problem solving | Parts of code follows a systematic and organized approach to problem solving | Some code follows a systematic and organized approach to problem solving | Most code follows a systematic and organized approach to problem solving | All code follows a systematic and organized approach to problem solving |
| 5. TEST CASE | Did not complete assigned work | Does not compile | Barely any code functions with test case | Partially functions with test case | Mostly functions with test case | Fully functions with test case |