CPSC 131 Final Exam Analysis Report

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| **Name:** |  |
| **CWID:** |  |
| **Section:** |  |
| **Instructor:** | T Bettens |

Table of Contents

[Part A Inserting into a Vector at the back versus a Hash Table 2](#_Toc102986972)

[Part B Removing from a SLL at the back versus a Vector at the front 3](#_Toc102986973)

[Part C Searching a Vector, DLL, SLL, BST, and a Hash Table 4](#_Toc102986974)

[Part D {You select #1} 5](#_Toc102986975)

[Part E {You select #2} 6](#_Toc102986976)

Instructions:

* Use this template to prepare your Final Exam response.
* Replace and remove the placeholders (everything in between and including the curly braces) with your specific information. **Remove all placeholders before submitting your exam**.
* Remove unused table rows
* Document formatting, such as margins, font, font size, paragraph spacing, etc., must not be altered.

Note: In MSWord, F9 will (usually) update references in selected text, such as figure numbers or the table of contents.

# Inserting into a Vector at the back versus a Hash Table

## Data Analysis Graphs

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| Figure ‑: {Give your graph a title here} | Figure ‑: {Give your graph a title here} |
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| Figure ‑: {Give your graph a title here} | Figure ‑: {Give your graph a title here} |
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| Figure ‑: {Give your graph a title here} | |

## Analysis and Summation

{Explain the information in the graph in terms of the operation’s efficiency class (Big-Oh). Talk to what you see on the graphs and explain why you see it. If the graphs are not what you expected, point that out and explain. Compare and contrast the operations performed on the different data structures. Identify and describe patterns in the graphs, including peaks, trends, and variability.}

{Do not indent or place blank lines between paragraphs.}

## Concrete, Real-world Example

{Provide a concrete, real-world example application that uses operation(s) being analyzed.}

## Data Structure Selection

{Select the container best suited for the concrete, real-world example above. Your selection should be supported by the data collected and graphed. Explain why you selected the one you did, and why you did not select the others.}

# Removing from a SLL at the back versus a Vector at the front

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# Searching a Vector, DLL, SLL, BST, and a Hash Table

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# {You select #1}

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# {You select #2}

## Data Analysis Graphs

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