Project 3B: Group Feedback

Number of Points to Allocate:

Number in Your Group including Yourself (n): 3

Multiplier: 10

Total Number of Points Available (P): 30

Team Members (including Yourself) Point Allocation:

#1: Muhimin Majlis:

Strengths: In the project, I assumed the pivotal role of creating a Red-Black tree in C++, showcasing my proficiency in data structures and algorithmic design. As the architect of this critical component, I ensured the tree's effective implementation to optimize performance. Additionally, my responsibility extended to debugging, where I meticulously identified and resolved potential issues. This dual role not only highlighted my technical expertise but also underscored my commitment to delivering a robust solution. The successful integration of the Red-Black tree, coupled with effective debugging, played a crucial role in the project's overall success and functionality.

Weaknesses: I used to struggle a lot with managing my time, and that made things hard. But then, I had this task of changing the colors of Red-Black Tree nodes after putting them in. It was tricky at first, but I took it step by step. Even though I had issues with time, I made a plan to work on it. I tested things out until I found a way to change the colors right. Dealing with both time and the Red-Black Tree challenge helped me learn to organize better and solve problems in a practical way. It was tough, but it turned out to be a valuable learning experience.

Points: 10

#2: Jackson Culbreth:

Strengths: In his role, Jackson not only coded the GUI elements with precision but also implemented rigorous testing protocols to ensure the robustness of the underlying data structures. His meticulous approach to testing became a cornerstone of the project, guaranteeing the reliability and efficiency of the software. Jackson's leadership in this aspect not only showcased his technical prowess but also his dedication to delivering a product that excels in both form and function. Thanks to his contributions, our project stands as a testament to the fusion of technical skill and conscientious software development.

Weaknesses: Jackson struggled to come up with performance measures for our two data structures since he didn't know how to choose the right criteria for a thorough assessment. Concurrently, he had difficulties in designing and developing a graphical user interface (GUI). A significant challenge was finding the delicate balance between usability and functionality in design. Jackson managed this complexity by weighing the benefits and drawbacks of several assessment strategies and GUI designs. After much investigation and careful deliberation, he

ultimately improved the performance evaluation of our project and created an interface that skillfully combined usefulness and an easy-to-use interface.

      Points: 10

#3: Ernesto Perez Garcia:

      Strengths: My partner Ernesto took on a key role in our project, leading the development of the B+ tree and managing the complex process of debugging. His painstaking creation of the B+ tree, a crucial element with significant effects on the project's effectiveness and performance, demonstrated his proficiency with data structures and algorithmic design. Ernesto's dedication to quality went beyond the first stages of creation; he oversaw debugging, figured out intricate details, and made sure everything was executed flawlessly and without errors. His ability to solve problems and pay close attention to details proved invaluable in locating and resolving problems that would have jeopardized the B+ tree's operation. Ernesto demonstrated his technical skill and commitment to quality by skillfully negotiating the complexities of both creation and troubleshooting.

      Weaknesses: Ernesto got stuck trying to understand B+ trees, especially the part about splitting nodes. It was like solving a super hard puzzle for him. Figuring out the best ways and steps to split the nodes felt like navigating through a confusing maze. Ernesto had a tough time keeping the tree balanced while making sure everything stayed in order. Despite the challenges, he kept going because he really wanted to get the hang of handling B+ trees. After a lot of trying and learning, Ernesto finally started to get the hang of splitting nodes, and now he's got a better grasp of this important part of data structures.

      Points: 10