Contributions of Team Members

The development of the Fractional Knapsack Algorithm code was a collaborative effort among G1 team members. Each of us contributed significantly to the project, and our individual contributions are highlighted below:

Amanuel Mengistu

I played a role in implementing the core logic of the Fractional Knapsack Algorithm. I designed the `knapsack` function, which takes the number of items, weights, profits, and capacity as input and returns the maximum profit that can be achieved.

Robel Tadesse

Robel contributed to the development of the `knapsack` function by implementing the logic for calculating the maximum profit. He also ensured that the function was well-documented and easy to understand.

Nurayne Abdulsemed

Nur was responsible for designing the user interface of the program. She implemented the code that prompts the user to input the number of items, weights, profits, and capacity.

Tsegawbizu Tadesse

Tsega contributed to the development of the algorithm by implementing the logic for calculating the profit-to-weight ratios of the items. He also ensured that the items were sorted in descending order based on their ratios.

Hamdi Kulmiye

Hamdi played a key role in integrating the different components of the program and ensuring that they worked together seamlessly. She implemented the `main` function, which calls the `knapsack` function and displays the results to the user.