Anthony Harley

[Company name]  [Company address]

SLP Phase 1

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# Introduction

## What Is It?

* + - The project will be a system that calculates the total score of people taking a personal fitness exam, stores it, and projects their score and rank onto a leaderboard with their names beside their scores.
    - It will also show if they received any rewards for the score they got.
    - Working Title

## Objectives

* + - Implement a GUI where a person can input the names and scores from the different events into the system.
    - Calculate the scores from all the events for each person.
    - Sort the scores into groups depending on the score of the person.
    - Depending on the group, display the ribbon they receive on the leaderboard.
    - Display the names and scores of the people as well as the ribbon they get, if they get a high enough score.

## Key Functions

* + - Input Data
    - Calculations
    - Sorting
    - Leaderboard

# Achieving Goals

* + Step One
    - First, I will create a calculator that can only hold numerical values.
    - I will test the calculator with all the combinations I know can be entered to make sure it works well.
  + Step Two
    - Implement a GUI into the calculator.
  + Step Three
    - Make it ask for names before the scores.
  + Step Four
    - Don’t let the asking process end until you press a button or enter a set of keys.
  + Step Five
    - Make it temporarily store all the data that the user has inputted.
  + Step Six
    - Make it organize the names in order by score. (greatest to least)
  + Step Seven
    - Sort the names with the scores into groups depending on the score you got.
  + Step Eight
    - Make a leaderboard.
  + Step Nine
    - Display the stored data onto the leaderboard.

# Expected Outcome

**Name** **Score** **Group/Ribbon**

1st person1 9 silver

2nd person2 5 none

3rd person3 3 none

# Charts

