

Assignment 1 – Mini Assignment: Average Grade Calculator
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I. Average Grade Calculator

1. Add one more course (row)
 - i. Proceed III
2. Input percentage of grade and name of course for each course
3. Numeric checking
 - i. Display an error message if the input is not a number
4. Percentage checking
 - i. Display an error message if the input is not a percentage
5. Calculate the letter grade and the color of each course
 - i. Proceed II
 - ii. Display the letter grade and the color of each course
6. Calculate the average grade and the color of all courses
 - i. Loop all courses in the list of courses
 - ii. Sum all grades of all courses
 - iii. Get the average of all courses
 - iv. Proceed II
 - v. Display the average grade and the color of all courses
7. Calculate the letter grade and the color of the average grade
 - i. Proceed II
 - ii. Display the letter grade and the color of the average grade

II. Calculate the Letter and Color of the Grade

1. Input the grade
2. If the average grade is from 80 to 100, return "A" and Green
3. If the average grade is from 70 to 79, return "B" and Yellow
4. If the average grade is from 60 to 69, return "C" and Orange
5. If the average grade is from 50 to 59, return "D" and OrangeRed
6. If the average grade is from 0 to 49, return "F" and Red
7. If the average grade is out of range, return "N/A" and Black

III. Add a course or a row

1. Add a label of order
2. Add a textbox of course name
3. Add a textbox of course grade
4. Add a label of course letter grade
5. Add a delete button

IV. Delete a row

1. Input the index of the row
2. If the index is existed
3. Remove all elements of the indexed row
 - i. Proceed VI

V. Delete a course

1. Input index of the course
2. If the index is existed
 - i. Remove the indexed course in the list of courses