

## PROJECT NAME:

The Student Management Application

## PROJECT DESCRIPTION:

The Student Management Application is a 3-part application that:

1. Creates a **Student Schedule** which is a whole semesters worth of assignments scheduled to tell and suggest the best dates to get things (assignments) done in order to be on track with school, while not overworking the student. The code works with the students external obligations in mind to ensure an optimal schedule.
2. Gives students an average idea of where they are standing academically and suggests what they can do to improve and which assignments they should target to pass if they want to do well in that particular class through the **Grade Calculator** portion of the application
3. Using the **Job and Internship Matching code**, collects a students Major and career field of interests and, from a limited list of available jobs (limited in number and location: just Massachusetts), links the student with the available jobs as well as a link to the job application portal.

## HOW TO RUN THE PROJECT:

To run **The Grade Calculator portion** of the Student Management Application:

1. Open the File name **CSCIFinalProject\_GradesCalculator.py** in VS Code
2. Run the code
3. The first prompt will ask you to "Enter the course name"  
- you can use: **Computer Science**
4. The next prompt will ask you to "Enter the course code"  
- you can use: **CSCI 120**
5. The next prompt will ask you to "Enter the various assignment types"  
- Make sure to separate with commas  
- you can use: **Problem Sets, Quizzes, Final Project, Final Exam**

6. The next prompt will ask you to "Enter the various weightings per each assignment type"
  - Make sure to enter them in the same order as the assignment type in order to get an accurate final grade
  - Do NOT add percentages
  - Separate with commas
  - Make sure they add up to 100
  - you can use: 15, 15, 25, 45
  
7. The next prompt will ask you to " Enter the quantity of assignments per each assignment type"
  - Make sure to enter them in the same order as the assignment type in order to get an accurate final grade
  - Separate with commas
  - you can use: 10, 8, 1, 1
  
8. The next prompts will ask you to "Enter the grades received in fractions" for all assignment types you provided
  - Make sure to input the grades in the format score/total
  - you can use in the order Prob. Sets, Quizzes, Final Project, Final Exams:  
 10/15, 19/20, 14/15, 6/10, 9/10, 14/20, 20/20, 10/10, 18/20, 17/20  
 10/10, 9/10, 6/10, 7/10, 8/10, 10/10, 9/10, 5/10  
 45/50  
 48/50
  
9. At this point you will be provided with two options: you can either get your grades calculated for this course alone (option 1) or add another course (option 2):
  - To check if the add new course portion of the code works you can try it using the following data **else** choose "2"

Course Name: Physics I with Calculus

Course Code: PHYS 120

Assignment Types: Problem Sets, Quizzes, Final Exam

Weightings: 20, 35, 45

Quantity of Assignments: 9, 5, 1

Grades for Problem Sets: 11/20, 14/15, 6/10, 9/10, 14/20, 20/20, 10/10, 18/20, 17/20

Grades for Quizzes: 5/5, 4/5, 3/5, 0/5, 5/5

Grades for Final Exam: 40/ 50

## HOW TO RUN THE PROJECT:

To run **The Job and Internship Matching portion** of the Student Management Application:

1. Open the File name **CSCIFinalProject\_GUI.py** in VS Code
2. Run the Code
3. GUI Should Launch
4. Enter your '**Name**' and '**Email**'
5. Select your current **city / town** of Massachusetts from the Drop-Down Menu
6. Select your **Career Field of Interest** from the Drop-Down Menu
6. Click the '**Submit**' Button
7. Click any of the Click Here to Apply buttons to be redirected to a browser page where you can apply for the chosen job/internship
8. Click any of the social media application icons (facebook, twitter, instagram and YouTube) to be connected with Clark's social pages in a browser

## YOUTUBE DEMO VIDEO LINK:

<https://youtu.be/Q6-X2fcnzfU>

## ONE-DRIVE LINK FOR FILES:

[https://clarkuedu-my.sharepoint.com/:f:/g/personal/aoseiakoto\\_clarku\\_edu/EvgC76aHGJpKrbqVAIpesAB8nZkGj3vTJWhV-mLCqKIFg?e=kYFGD0](https://clarkuedu-my.sharepoint.com/:f:/g/personal/aoseiakoto_clarku_edu/EvgC76aHGJpKrbqVAIpesAB8nZkGj3vTJWhV-mLCqKIFg?e=kYFGD0)