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Developmental Diary: Project 2

1. From the problem description, create a list of all classes that you can identify. For each class, list the associated member variables and identify an initial set of member functions.

Class :Gradebook

Member functions :

Getname, setname

Getexam, setexam, changeexam

Gethw, sethw,changehw

Removestudent

Changeweights

Changename

Diplaybookname

Display averages, display report

Member variables :

Array of class student (students[5])

Gradebook name

Weight1,weight2,weight3

Class: Students

Member functions :

Getname,setname,

getexam,setexam

gethw, sethw

setexamaverage, getexamaverage

sethwaverage, gethwaverage

setquizaverage, getquizaverage

Member variables :

Name

Exam[2]

hw[5]

quiz[4]

examaverage

hwaverage

quizaverage

finalaverage

2. List out a set of steps that you will take to implement your solution to the problem. Each step refers to an increment of the program that you will be creating. It is recommended to complete the implementation of a single logical action per step.

1. First I will create all of the classes and start creating private variables and member functions one at a time.
2. Once I figured out what the classes will store, I will implement a way to connect the classes to main.cpp.
3. Then I will start writing all the member functions necessary to carry out the calculations.

3. Once you have finished implementing your solution, reflect on the process that you followed. Did you wind up with the same classes as you initially identified? Did you need to change any of the functionality or add unexpected details? Did you have to deviate from your plan? Write a description of any details that needed to change as you worked on your solution.

Initially I had the wrong idea and I attempted to utilize the classes in a manner that wouldn’t be functional. After a long time, I figured out an alternative and I eventually pieced everything together. However, it was helpful to initially think about how my classes will be structured and what they would be responsible for. In hindsight, I should have done more research before diving into the project .