Homework 2 - Vectors

All the starter files for this homework are in the CS5008_ClassRepo repository in Github. Please pull them as necessary.

In this assignment, you will extend the Vector abstract data type by creating a function called deepCopy that performs a deep copy of the STRUCT student. This means it creates new memory blocks and copies all the data when it receives the STUDENT struct. The function should receive an address of the opaque object and return an opaque object.

Below please see the function declaration

```
MY_STUDENT deepCopy(MY_STUDENT * currentStudent);
```

Note MY_STUDENT is an opaque type that has been defined using the typedef facility as follows:

```
typedef void * MY_STUDENT; //opaque object - masking my struct
```

You will carry out the assignment by modifying the studentvector_ood.c file. Notice that the function declaration has already been placed in the studentvector_ood.h file.

You will need to test that your function works by using the main driver which is in the student_vector_main_ood.c file.

Submit all your work in your class repo.

In the canvas page, just indicate that this has been submitted.

Thanks