

Lab 4 Resource Document

Commenting Classes

This is supplemental to the style guide on the class website.

For each class in your code, add a docstring for the class itself, and a docstring for each method in the class.

The class docstring should include a description of what the class is for, and some of the methods. Then, each method should have a docstring which describes the purpose, parameters, and any return values.

Below is an example class commented:

```
class Student:
    """This class defines a student in college, including what major
        they're in, their classes, and their student ID number.

        Includes methods to compare students using `==` and estimate their
        number of units.
    """
    def __init__(self, name, major, student_id, classes):
        """Creates a new Student with the given name, major, student ID
            number and classes.

            Parameters:
                name (string): The student's full name.
                major (string): The student's major (CSC/MATH/etc... )
                student_id (int): The student's 10 digit ID number
                classes (list of strings): the names of the student's classes
        """
        self._classes = []
        self._name = name
        self._major = major
        self._id = student_id

    def num_units(self):
        """Estimates the number of units the student is enrolled in. Assumes
            that all the courses are 3 units.

            Returns:
                An estimate for the number of units the student is enrolled in.
        """
        return len(self._classes) * 3

# ...
```