

## CIS 3502 // HW #6 // Spring 2019

**Date Assigned:** April 11, 2019

**Date Due:** April 22, 2019

### Submission Format

You will submit a soft copy of your solution using e-Learning ( <http://elearning.ufl.edu> ) by the end of the day ( 23:59 / 11:59 PM ) on the assigned date ( April 22 ). Save your solution as a **java** file and name the file **HW6** ( HW6.java ).

### Assignment

At the top of every solution file you submit this semester include: your name, section number, the assignment number, and the date the assignment is due. Then, solve the following problems. Provide a comment before each problem with the problem number, identifying the problem you are solving. Within your code, use commenting to describe the logic behind important elements of the solution. Here are the details of the class you are implementing.

### Problems

Implement the classes: *Burger*, *Sub*, *Subway*, and *Wendys*. *Burger* and *Sub* will be *subclasses* of the class *Food*. *Subway* and *Wendys* will be *subclasses* of the class *Restaurant*. The details of the classes are included in the UML diagram found in UML\_Diagram.pdf.

All four classes you implement will be included within the file HW6.java, therefore **you will not make any of these classes public**. Recall, if a class is declared to be public, it must have the same name as the file. Since you will be submitting all four classes in the same file (HW6.java), none of the classes will be public.

To assist in your implementation, I am implementing the other classes defined in UML\_Diagram.pdf and will be posting them soon.