**San José State University**

# Computer Science Department CS151, Object Oriented Design and Programming, 07, Spring 2020

# Homework #4

Objective:

This homework’s objective is to review and understand the unit on UML diagrams and how to use them. You will be using your implementation of homework assignment #3. It is expected that the files submitted for this homework assignment will be in pdf format. You will need to submit files containing UML diagrams, one file per diagram. You can use any UML editor of your choice. It is strongly suggested that you use Lucidchart software available to you through <https://one.sjsu.edu/>

Details:

Exercise 1:

For your implementation of homework assignment #3, submit a class diagram in a file named **ClassDiagram.pdf**.

Exercise 2:

For your implementation of homework assignment #3, submit a component diagram in a file named **ComponentDiagram.pdf**.

Exercise 3:

For your implementation of homework assignment #3, submit a use case diagram for an interaction between a client and a business associate (e.g. making a purchase) in a file named **UseCaseDiagram.pdf**.

Submission:

In your class repo create a directory called “Assignment4” and add all the files created for this homework assignment to that directory.

This homework assignment is assigned on 02/20/2020 and is due on 02/27/2020 before 11:59pm. Email your assignment submission to me at both [Yulia.Newton@sjsu.edu](mailto:Yulia.Newton@sjsu.edu) and [yulia.newton@gmail.com](mailto:yulia.newton@gmail.com), as well as the grader at [akshay.kajale@sjsu.edu](mailto:akshay.kajale@sjsu.edu). The subject of the email should say “CS151 Assignment 4”. Add your name as it appears on the class roster and the URL to your git repo in the body of an email.

Grading:

Your diagrams should conform to your assignment #3 implementation. I will compare your submitted homework assignment #3 and the diagrams submitted for this homework. Each diagram is worth 10 points. A total of 30 points are possible for this homework assignment.