**CS 162P Self Evaluation for 7 – Credit Card and Person**

|  |  |
| --- | --- |
| Your name:  Sandi Jasmer | Date:8/12/20 |
| Are you willing to allow your code to be used in example debugging demonstrations or documentation?  x Yes  No | |

**Instructions – Part 1 (draft)**  
This document is to be turned in alongside your first draft of this lab. You will use this document to indicate your current progress through the lab, as well as areas where you are struggling conceptually or in converting concept to code. Please use the space underneath each evaluation criteria to describe any errors you are receiving or challenges you are having implementing the required functionality for your code.

**Functionality**

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Draft** | **Production** |
|  | |  |
| ***Program Basics*** | | |
| Does the program compile and run |  | Yes |
| Does the program generate the expected output |  | Yes |
| Are there separate classes for Person and CreditCard |  | Yes |
| ***Person Class*** | | |
| Does the Person class set the proper values when instantiated? |  | Yes |
|  | | |
| Does the Person class have the proper methods implemented? |  | Yes |
|  | | |
| ***Credit Card Class*** | | |
| Does the CreditCard class include a Person object? |  | YesYes |
|  | | |
| Does the CreditCard initialization properly initialize the Person object? |  |  |
|  | | |
| Are the proper methods implemented? |  | Yes |
|  | | |
| Does payBalance properly check for nonnegative payments? |  | Yes |
|  | |  |
| Does makeCharge properly check for nonnegative payments and exceeding credit limit? |  | Yes |
|  | | |
| Does setCreditLimit check for an invalid limit? |  | Yes |
|  | | |
| Does setCreditLimit incorrectly allow setting a limit lower than the current balance? |  | Yes |
|  | | |

**Instructions – Part 2 (final)**  
Update the preceding table to reflect the current state of your lab assignment. If you reported errors in your initial draft that you have since fixed, please replace the information describing your errors with a brief summary of how you solved those errors. Please also indicate any areas that you feel you are still struggling in.

Please answer the following questions, in your own words, regarding your experiences throughout this lab.

**Experiential Review**

|  |  |
| --- | --- |
| **What aspects of this lab did you find most challenging?** | |
| ***Thinking of this as private when not listed like other codes. I had to edit my private variables in Person to make it work fully in CC.*** |  |
| **What concept from this lab do you feel you have the best grasp on now?** | |
| How classes can work together. It reminds me of SQL commands and joining tables. Things work together but are separate objects. | |
| **Please summarize the basic concepts of how class composition functions:** | |
| Mari explained Inheritance an is a and composition as has a. So every credit is has a person attached to it not every credit is a person. A composite class has a component class interface but it can leverage its implementations. | |