Assignment 3

Arizona State University - CSE205 Assignment #3

Due Date Wednesday, January 22nd, 7:00pm

Important: This is an individual assignment. Please do not collaborate.

<u>***No late assignment will be accepted.***</u>

This is an essay assignment, not a programming assignment. You will submit a file named "Assignment3.java" though it will be a text file. This is the only file name that the system will accept for this assignment. **Do not submit any non-text file such as .doc or .pdf files.**

Please submit your Assignment3.java to Gradescope (Course website).

Minimal Submitted Files：Assignment3.java

Requirements to get full credits in Documentation

The assignment number, your name, StudentID, Lecture day/time, and a class description need to be included at the top of each file/class.

Assignment Description

Go to [http://www.acm.org/about/se-code (Links to an external site.)](http://www.acm.org/about/se-code) to find the Software Engineering Code of Ethics and Professional Practice. They have listed 8 Principles. Choose 5 Principles from the list and elaborate on each of them by providing an example. Thus you need to write 5 different examples total. Your explanation must contain at least 20 words for each example. (Even if you choose more than 5, you will not get extra credits. First 5 will be graded.)
Please clearly specify which principle each example belongs to.

The following is the short version:
(Copyright (c) 1999 by the Association for Computing Machinery, Inc. and the Institute for Electrical and Electronics Engineers, Inc.)

PREAMBLE The short version of the code summarizes aspirations at a high level of the abstraction; the clauses that are included in the full version give examples and details of how these aspirations change the way we act as software engineering professionals. Without the aspirations, the details can become legalistic and tedious; without the details, the aspirations can become high sounding but empty; together, the aspirations and the details form a cohesive code
Software engineers shall commit themselves to making the analysis, specification, design, development, testing and maintenance of software a beneficial and respected profession. In accordance with their commitment to the health, safety and welfare of the public, software engineers shall adhere to the following Eight Principles:

1. PUBLIC - Software engineers shall act consistently with the public interest.

2. CLIENT AND EMPLOYER - Software engineers shall act in a manner that is in the best interests of their client and employer consistent with the public interest.

3. PRODUCT - Software engineers shall ensure that their products and related modifications meet the highest professional standards possible.

4. JUDGMENT - Software engineers shall maintain integrity and independence in their professional judgment.

5. MANAGEMENT - Software engineering managers and leaders shall subscribe to and promote an ethical approach to the management of software development and maintenance.

6. PROFESSION - Software engineers shall advance the integrity and reputation of the profession consistent with the public interest.

7. COLLEAGUES - Software engineers shall be fair to and supportive of their colleagues.

8. SELF - Software engineers shall participate in lifelong learning regarding the practice of their profession and shall promote an ethical approach to the practice of the profession.

Please also read its full version from the website http://www.acm.org/about/se-code (Links to an external site.).

Example:
2. CLIENT AND EMPLOYER - Software engineers shall act in a manner that is in the best interests of their client and employer consistent with the public interest.

-- A software engineer knew that there was a defect on the Pacemaker that he/she wrote code for, but did not report to the employer or the client before it was released to users. This type of practices violates the principle.

Download this file and write your answer with your information such as name, then submit it online (It is a text file):

Assignment3.java

You are allowed to quote sentences from books or web sites as long as the author/source of each quotation is stated. However you are not allowed to use same examples as any of your classmates. Such act will be considered as cheating and will be reported. This is an individual assignment.
Also you are not allowed to use any example in the website http://www.acm.org/about/se-code (Links to an external site.)itself.

Assignment number, your name, studentID, and Lecture number must be included in the assignment as always. The assignment you submit should not be more than 300 words total.

What to turn in:

-Submit your modified Assignment3.java file using Gradescope-> Assignment3 from canvas.asu.edu.