

## ASSIGNMENT 1- CHAPTER 1

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### Notes:

- Some answers need to refer to the textbook.
- Only handwritten answers are accepted (write your 'name' and 'id' on all pages).
- Due date: Monday, 2/10/2023.

### **Answer All of the Following Questions:**

1. Which one costs more developing software or building hardware? Why?
2. Briefly explain the factors of software failures, and how to address these factors.
3. What is the most significant factor in determining which software engineering methods and techniques to use? Provide examples.
4. Briefly explain the general issues that affect many different types of software.
5. For each of the clauses in the ACM/IEEE Code of Ethics shown in Figure 1.4 (Chapter 1.3, Page no. 29) propose an appropriate example that illustrates that clause.
6. (**BONUS**) For each of the following systems; define the type of the system then briefly summarize the system in small paragraphs (Chapter 1.3, Page no. 32).
  1. Personal insulin pump
  2. Mental health case patient management system
  3. Wilderness weather station
  4. iLearn: a digital learning environment

All the best.

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