

**Requirements and Specification, ESOF 328, Spring 2020**  
**“Beyond Functionality: Software Quality Attributes” (Chapter 14)**  
**April 6**

1. During our elicitation meetings we have repeatedly heard of the importance of System W being easy to use since the nonprofit is constantly getting new volunteers. Write a SMART usability attribute that captures this.

2. Say that users insisted that System X be highly maintainable. Write a SMART usability attribute that captures this.

<i>Maintainability</i>	Maintainability is the ability of the system to undergo changes with a degree of ease. These changes could impact components, services, features, and interfaces when adding or changing the functionality, fixing errors, and meeting new business requirements.
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3. One definition system “integrity” is that
  - Its mandated operational and technical parameters are within the prescribed limits
  - It performs its intended function in an unimpaired manner, free from deliberate or inadvertent unauthorized manipulation of the system
  - The logical correctness and reliability of the system is assured at all times.

Define an integrity quality attribute for System Y which captures the idea that the reports generated by system Y should be accurate as to who is a member of the family when the family picks up a box of food.

4. Define a security quality attribute which captures that front desk volunteers cannot freely peruse client information.