Requirements Document Inspection Guidelines

Software Engineering, CSE870

Content:

- Does the text match the Section (or Subsection) header? Does it fully cover the topic?
- Are the requirements logically organized? Is there a hierarchy? If so, is it easy to understand the hierarchy?
- Is there a complete description of the product being specified? Is it easy to understand? Has all the functionality specified by the customer (per the original project specification) been addressed?
- Have all the constraints been specified?
- Have all the assumptions been documented?
- Have all dependencies been documented?
- Are there conflicting requirements?
- Are there ambiguous or implicit requirements?
- Is each requirement testable? (i.e., can you design a test to confirm the behavior?)
- Is each requirement stated clearly, concisely, and unambiguously?
- Is there unnecessary design or implementation detail included (in a requirement)?
- Have all the subsections in the SRS assigned been addressed?
- Modeling:
    - Is there a description for each diagram included? (including a brief description of the notation)
    - Consistency checks: sequence diagrams refer to instances of classes from class diagram; messages in sequence diagram refer to operations given in class diagram; all sequence diagrams can be validated against the state diagrams (i.e., trace a sequence diagram from one state diagram to another according to the sequence of messages); are all variables referenced in the diagrams declared as attributes in the class diagram.

Created by Betty H.C. Cheng for use in CSE Software Engineering courses: Advanced Software Engineering course at Michigan State University (Spring 2021).

Writing/Presentation:

- Paragraph structure: does each paragraph start with a thesis sentence? Does the body of the paragraph support the thesis sentence?
- Are there grammar errors (subject/verb agreement, tense), typos.
- Are there new terms or acronyms used before they are defined?
- Are terms and concepts used consistently throughout the document?

Content (pg #)	

Writing (pg #)	