**Title of assignment:** Baseline SCIs

Context/overview: This assignment requires baselining of software configuration items (SCIs), and auditing items

Resources to consult:

Chapter 22

Lecture 1: Software configuration item identification

Lecture 2: Software change control and auditing

Lecture 3: Git

Page 594, Figure 22.1 Baselines and candidate CIs

Instructions:

1. Determine baselines for an agile approach to creating the SAMS website. Baselines are milestones and associated configuration items.
   1. Identify the baselines (milestones)
      1. The start of the project, each iteration and the project close, are milestones – Identify each iteration by the iteration number.
      2. YourInitials\_CS406\_SAMS (The overall project)
         1. Planning
         2. Iterations
            1. Iteration\_1
            2. Iteration\_2
            3. Iteration\_3

Development phases within each iteration are milestones.

Planning,

Requirement

Design

Implementation

Integration

Validation

* + - 1. Close Project
  1. In the lab assignment for this week a Git repository will be created to store your CIs. During the lab, keep in mind that the directory structure that you want to setup in your repository should reference the baselines identified.
     1. CS406\_SAMS
        1. Planning
           1. Project\_Mangement
           2. Configuration\_Management

Identified\_CIs\_document

* + - * 1. Risk\_Management

Identified\_Risks\_document

* + - 1. Iteration\_1
         1. Planning
         2. …
         3. Validation
      2. Iteration\_3
         1. …
      3. Iteration\_3
         1. Planning
         2. Requirements
         3. Design
         4. …

1. Identify SCIs associated with each baseline
2. Define a naming scheme for each type of CI identified.
3. Identify the events that will mandate changes to each type of CI identified.
4. Describe what information should be included in an ECP, engineering change proposal.
5. Change control Auditing
   1. Describe the steps needed for a baseline to transition from TBE to a formal baseline.
   2. Describe methods to ensure that the identified CIs entered in the SCM system for change control. (Visual inspection works for small projects)
   3. Describe how CIs will be checked for correctness.
   4. Describe how change control auditing will ensure the changes in approved ECPs are implemented in a timely manner.

Criteria: (# pages, APA format, etc.) APA format