# Designing your ideal software engineering process

Reflecting on the content covered, outline key aspects and processes for what you would consider your ideal software engineering process.

Questions to consider:

* What are the activities you think are essential?
  + Project initiation / kickoff
  + System overview discussions with stakeholders
    - Overall purpose of the project / system being developed
    - Requirement definition
    - Creation of User stories
  + User Interface design and walk thru
  + User acceptance testing
  + System integration testing
  + Status reporting
  + Stakeholder reviews of milestone releases (bi-weekly)
  + System penetration testing
  + Review of third party software possibly being used
  + System load testing
* What are the artifacts you feel should be produced?
  + System documentation
    - Process flows
    - Data diagrams
    - API documentation / usage requirements
    - User roles documentation
  + User manuals / help docs
  + Reusable testing scripts
  + System Load testing results
* What roles and stakeholders should be involved and when?
  + Development (throughout the project)
    - Product Owners
    - Developers
  + Business support area Stakeholders (requirements gathering, product demos, UAT)
    - Manager of business area
    - Business Analysts
    - Team lead
  + Technical areas
    - Security (development)
    - System experts (throughout the project lifecycle)

What are the key accountabilities and responsibilities you feel are important?

* + Requirements have been met
    - User stories are met
    - Business flows
    - System integration
  + If UI, ADA compliant
  + Met all regulations governing business
  + System performance metrics