

Midterm
CS 510 – Agile
Summer 2023

Short Answer (5 – 10 sentences)

1. Agile is always the best possible software development process. True or False? Why?
2. Define the concept of refactoring. What benefits does it give to the Agile team?
3. Describe the benefits of timeboxing. What are its drawbacks?
4. Describe why the iterative life cycle is better suited to software development than the standard waterfall lifecycle. If you disagree with the previous statement, explain why.
5. Discuss why the gatekeeper responsibility is so important for the Scrum master to have. How does it help to ensure the team is successful?
6. Why do we allow anyone one to come to and Scrum meeting but only allow team members to talk? What would we risk by allowing non team members (stakeholders, etc.) to talk during these meetings? And why allow non team members to talk during the demo?

Multiple Choice

1. Which of the following is not an agile value as specified in the Agile Manifesto?
 - a. Working software over comprehensive documentation
 - b. Immediate feedback over delayed responses
 - c. Individuals and interactions over processes and tools
 - d. Responding to change over following a plan
 - e. Customer collaboration over contract negotiation

Essay - (1 or more pages, single spaced)

1. Define and discuss the release and sprint planning meeting procedures. Why do we do the planning meetings in such a manner? What benefits does each type of planning meeting provide? What is the importance of each type of planning meeting? In sprint planning, why don't we just task out the entire backlog?

2. You are tasked at your job to determine if the company should switch to the Agile development lifecycle. Describe how you make this determination. What factors go into the decision process? What factors would tend to give a negative response to the question posed?
3. Discuss the topics of Responsibility and Mindfulness. These are important traits in any software development process. What makes them so important for Agile & Scrum? How do they differ from the trust that an Agile team must have.