Final Exam

Started: May 4 at 5:18pm

Quiz Instructions

The final exam consists of three types of questions:

- 2 essay questions which require one or more paragraphs (20 points)

- 10 short answer questions which require one or more sentences (50 points)

- 20 True/False/multiple choice/matching questions (30 points)

Do NOT simply cut and paste material from the slides or any other source.   You must express your answer in your own words for credit!

Question 1	10 pts

Compare and contrast planning in eXtreme Programming and Scaled Agile Framework.   Describe what is planned in each method and who is involved in the planning. What types of projects are best suited for these two methods?

p   0 words   </>

Question 2   **10 pts**

Is our guest speaker Dr. Sijie Zhang a Project Manager, or a Program Manager, or a Technical Program Manager, or a Product Manager, or a Product Owner? What is the difference between Product Manager and Product Owner? What does Product Manager do all day?

p   0 words   </>

Question 3

5 pts

Describe the role of the Scrum Master in Scrum.

p   ⌨️ ♿ | 0 words | </> ↗ ⋮

Question 4   5 pts

Compare and contrast the Planning Game/Planning Poker from eXtreme Programming and Crystal Clear's Delphi Estimation?

p   0 words   </>

Question 5   5 pts

Describe two of the synergistic behaviors of pair programming.

p   0 words   </>

Question 6   5 pts

Compare and contrast testing methods for traditional plan based methods and eXtreme programming Agile Methods.

p   ⌨ ⊕ | 0 words | </> ↗ ⋮

Question 7   5 pts

Compare and contrast eXtreme Programming's Pair Programming and Crystal's Side by Side programming.

p   0 words   </>   ↗   ⋮

Question 8   5 pts

Describe the 4 steps in a defining a use case

p   0 words   </>   ↗   ⋮

Question 9   5 pts

Describe three things about FDD that are different from other agile methods.

p   ⌨ ⓣ   │ 0 words │ </> ↗ ⋮

Question 10   **5 pts**

What was unique about the Piggly Wiggly grocery stores that Toyota applied to manufacturing with Lean methods?

p   0 words   </> ↗ ⋮

Question 11   5 pts

According to the Gamma1998 reading on JUnit, what problem, **beyond** automating unit test, does JUnit help to solve?

p

0 words   </>

Question 12   5 pts

Describe the role of the Product Owner in Scrum.

p   ⌨ ⓘ | 0 words | </> ↗ ⋮

Question 13   2 pts

Customers estimate the effort required to implement a user story in eXtreme Programming

○ True

○ False

Question 14   2 pts

User stories that are too large to implement in one sprint should be broken up into smaller stories that can be implemented in one sprint.

○ True

○ False

Question 15   2 pts

Identify one technique that is common across most of the Agile Methods we discussed.

Edit   View   Insert   Format   Tools   Table

12pt ⌄   Paragraph ⌄ | **B**   *I*   U̲   A ⌄   ✎ ⌄   T² ⌄ | 🔗 ⌄   🖼 ⌄   ▶♪ ⌄   📄 ⌄ | 🔌 ⌄ | ⋮

p   ⌨   ⓘ | 0 words | </>   ↗   ⋮

Question 16   2 pts

According to Scrum, features and priorities are frozen for the duration of a sprint.

○ True

○ False

Question 17   2 pts

Planning poker strives for estimates with very high precision.

○ True

○ False

Question 18   2 pts

We cannot use Agile with Waterfall because Agile has well-defined processes and roles for team members.

○ True

○ False

5/4/22, 5:19 PM

Question 19

2 pts

What are **all** of the good alternatives if you encounter disagreement while poker planning a user story?

- ☐ Split the difference between the high and low estimate.
- ☐ Join a different team
- ☐ Use the low estimate
- ☐ Defer the story until later

Question 20

2 pts

Frequent deliveries is one of the principles of Agile Methods

- ○ True
- ○ False

Question 21

2 pts

Select **all** of the bad smells identified by Fowler

☐ Very large classes

☐ Left over pizza from a long night hacking

☐ Duplicated code

☐ Too many parameters in methods

☐ High cyclomatic complexity

Question 22   2 pts

Agile Methods are a good match for all software development projects.

○ True

○ False

Question 23   2 pts

A developer on a team using FDD typically will be a member of only one feature development team during the development of a new release.

○ True

○ False

Question 24

2 pts

Scrum and eXtreme Programming are synonymous (different names for the same thing)

○ True

○ False

Question 25

2 pts

Agile proponents believe that following a strict plan is more important than responding to change.

○ True

○ False

Question 26

2 pts

Big firms do not use agile because SCRUM can only be used for small teams.

○ True

○ False

Question 27   **2 pts**

Agile proponents believe that working software is more important than comprehensive documentation.

○ True

○ False

Question 28   **0 pts**

Use this space to explain any issues. Please include the question number if appropriate.

Question 29

0 pts

"I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination. I further pledge that I have not copied any material from a book, article, the Internet or any other source except where I have expressly cited the source."

○ True

○ False

Quiz saved at 5:18pm   Submit Quiz