Answer the following questions by researching on the Internet (don’t forget to cite your sources).

1. In your own words, describe what agile is? Please include at least 100 words or more.

Agile is a methodology that breaks out all the tasks into specific teams and allows for flexibility within project lifecycle. There is no start or stop within the process as it is an ongoing process. Tasks come in and go out when finished. This allows for the product owners to arrange their tasks in the correct sequence, so everything is done in the correct order and on time. Then a finished product, or update/enhancement, can be delivered in a quicker amount time. It also allows for greater flexibility because the individual tasks can be evaluated to see if any changes need to be made.

Site: https://www.infoworld.com/article/3237508/agile-development/what-is-agile-methodology-modern-software-development-explained.html

1. In your own words, describe what scrum is? Please include at least 100 words or more.

Scrum is the process by which tasks are organized and assigned. All tasks are divided up into sprints, usually lasting around 2 weeks. The Scrum Master will work with the product owners to determine which tasks should take precedent in each sprint. Once that list is established, each task is reviewed by the development team and assigned a number value for its degree of difficulty. Depending on how many points are allowed each sprint, the Scrum Master will review the upcoming sprint with the business and product owners. This gives the business a second opportunity to evaluate the tasks they need completed and in which order they need them completed. Once all tasks for the upcoming sprint are agreed upon, they are assigned a developer and worked until completed.

Site: http://www.mountaingoatsoftware.com/agile/scrum

1. List 4 other types of agile software development frameworks. Pick one of the 4 and explain its main components, purpose, or practices.

Other frameworks:

1. Extreme Programming (XP)
2. Feature-Driven Development (FDD)
3. Crystal Methodology
4. Lean

Extreme Programming (XP) is very similar to regular Agile but insists on higher communication between the customer and the developer. There is less upfront documentation for each task as the framework relies on constant feedback. This is a great framework for smaller, more experienced, teams.

Site: https://kanbanize.com/blog/right-agile-methodology-for-your-project/

|  |  |
| --- | --- |
| Criteria | Ratings |
| Assignment is free from spelling and grammatical errors AND sources are cited properly. | 5 3 1 0 |
| Question 1 is answered thoroughly with evidence of learning. | 5 3 1 0 |
| Question 2 is answered thoroughly with evidence of learning. | 5 3 1 0 |
| Question 3 is answered thoroughly with evidence of learning. | 5 3 1 0 |
| TOTAL POINTS POSSIBLE | **20** |