

7.1_E

Using agile methods in software development

Using iterative or agile software development methods can help to overcome many of the problems development teams experience in projects. A key feature of these methods is that many of the stages of development happen a number of times. This results in _____ software which meets user needs more closely and which has fewer problems. Iterative methods help to deliver better quality software more quickly. There are _____ different iterative methodologies, such as Scrum or Kanban, and a team leader will need to _____ which is better for their team.

_____ the process involves identifying _____ stakeholders for the software. This includes all those who will use the software and who are affected by it in some way. Some methodologies have a 'product owner' as part of the team. This person checks the software which is being produced from the _____ the different stakeholders. They _____ any problems arising by checking with the team leader.

DevOps integrates the building, testing and deployment of software. Different developers can write code _____, using a version management system such as Git. When this process is completed, the software can be made available for testing to check how well it functions. _____ the results of these tests, the team decides if software can be made available to customers.

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Answers

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Using iterative or agile software development methods can help to overcome many of the problems development teams experience in projects. A key feature of these methods is that many of the stages of development happen a number of times. This results in the development of software which meets user needs more closely and which has fewer problems. Iterative methods help to deliver better quality software more quickly. There are a variety of different iterative methodologies, such as Scrum or Kanban, and a team leader will need to bear in mind which is better for their team.

The beginning of the process involves identifying a number of stakeholders for the software. This includes all those who will use the software and who are affected by it in some way. Some methodologies have a 'product owner' as part of the team. This person checks the software which is being produced from the from the point of view of the different stakeholders. They deal with any problems arising by checking with the team leader.

DevOps integrates the building, testing and deployment of software. Different developers can write code at the same time, using a version management system such as Git. When this process is completed, the software can be made available for testing to check how well it functions. Based on the results of these tests, the team decides if software can be made available to customers.