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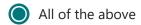
## **Fundamentals of software Engineering Class test**

Which of the following is NOT a type of software product? (1 Point)
System software
Application software
Hardware software
Embedded software
A software product designed to control the operation of a computer system is called: (1 Point) &
Application software
System software
Embedded software

Web-based software	
	^
A software project that is developed for a specific customer or organization is called: (1 Point) &	<u>&gt;</u>
Product-based software	
Project-based software	
Custom software	
All of the above	
Which of the following is a common challenge faced in project-based software engineering? (1 Point) $\bigcirc$	
Changing requirements	
Tight deadlines	
Resource constraints	
All of the above	

A software product that is developed for a general market and sold to multiple customers is called: (1 Point) $\bigcirc$
Product-based software
Project-based software
Custom software
All of the above
Which of the following is a key characteristic of product-based software engineering? (1 Point) 📀
Focus on long-term product vision
Iterative developmen
Continuous improvement
All of the above
A software execution model that involves running the software on a remote server and accessing it through a web browser is called: (1 Point) $\bigcirc$
Client-server model

Cloud computing
Oistributed computing
All of the above
A software execution model that involves running the software on multiple computers connected in a network is called: (1 Point) $\bigcirc$
Client-server model
Cloud computing
Distributed computing
All of the above
Moore's template for a software product vision includes which of the following elements? (1 Point) $\Diamond$
Target market
Value proposition
Product features



The value proposition of a software product is: (1 Point)



The benefits that the product offers to its target market.

The features of the product.

The price of the product.

The technology used to build the product.

Software product management involves: (1 Point)



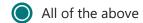
Ensuring the product meets customer needs.

Managing the product's lifecycle

All of the above

A software product roadmap is: (1 Point)

A document that outlines the product's vision and strategy.
A plan for the development of the product's features.
A schedule for the release of the product.
All of the above
Which of the following is a key responsibility of a software product manager? (1 Point) $\bigcirc$
Gathering customer feedback.
Prioritizing product features.
Managing the product's budget.
All of the above
Agile methodologies are often used in software product management because: (1 Point) 📀
They are flexible and adaptable.
They focus on delivering value to customers.
They promote collaboration and teamwork.



Individuals and Interactions

A software product backlog is: (1 Point) 🔷 A list of all the features that have been implemented in the product. A list of all the features that are planned for future development. A list of all the bugs that have been reported in the product. A list of all the customers who have purchased the product. The Agile Manifesto emphasizes which of the following values over processes and tools? (1 Point) Working software Following a plan Customer collaboration

Which of the following is NOT one of the four values of the Agile Manifesto? (1 Point)



Following a plan over responding to change
Customer collaboration over contract negotiation
Working software over comprehensive documentation
Individuals and interactions over processes and tools
XP is characterized by which of the following practices? (1 Point) 📀
Test-later development
Partner programming
Continuous integration
Contract negotiation
In XP, a small, cross-functional team of developers works together in: (1 Point) $\bigcirc$
Sprints
Iterations
Pair programming

Fundamentals of Timeboxes
A Scrum team typically consists of: (1 Point)
Product Owner, Scrum Master, and Development Team
product Owner, Project Manager, and Developers
Project Manager, Scrum Master, and Developers
Product Owner, Scrum Master, and Stakeholders
The Scrum Master is responsible for: (1 Point)
Facilitating the Scrum process
Making decisions about the product
Writing the user stories

A user story is: (1 Point) 🖉

Coding the software

A detailed specification of a software feature.
A brief, informal description of a desired software feature.
A plan for the development of the software.
A test case for the software.
A sprint is: (1 Point) 📀
A fixed-length timebox during which a specific set of features is developed.
A meeting to review the progress of the project.
A document that describes the requirements for the software.
A tool used for project management.
Incremental development involves: (1 Point) 📀
Developing the entire software product at once.
Developing the software in small, progressive releases.
Developing the software using a waterfall model.

Developing the software without using any methodology.
Which of the following is a benefit of incremental development? (1 Point) 📀
Reduced risk
Faster time to market
Improved customer satisfaction
All of the above
Which of the following is a key principle of Agile project management? (1 Point) 📀
Adaptability
Collaboration
Iterative development
All of the above

A daily stand-up meeting in Scrum is used to: (1 Point)  $\bigcirc$ 

Review the progress of the previous day.
Plan the work for the next day.
Oldentify and resolve issues.
All of the above
The Kanban board is a visual tool used in Agile project management to: (1 Point) $\bigcirc$
Track the progress of work items.
Prioritize work items.
Estimate the effort required to complete work items.
All of the Above
The burn-up chart is a visual tool used in Agile project management to: (1 Point) 📀
Track the progress of the project over time
Estimate the effort required to complete the project.
Prioritize work items.

Oldentify risks and issues.
Which of the following is a challenge of Agile project management? (1 Point) $\bigcirc$
Managing changing requirements.
Measuring progress.
Ensuring quality.
All of the above
A feature is: (1 Point) 📀
A specific functionality of a software product
A requirement for a software product
A use case for a software product
A bug in a software product

Which of the following is a common feature of a software product? (1 Point)  $\bigcirc$ 

Login functionality
Search functionality
Payment processing
All of the above
A user story is: (1 Point) \Diamond
A detailed description of a software feature.
A brief, informal description of a desired software feature.
A use case for a software product.
A bug in a software product
A well-formed user story typically follows the format: (1 Point)
As a [role], I want [feature], so that [benefit].
When [event], then [outcome].
If [condition], then [action].

Given [context], when [event], then [outcome].
A scenario is: (1 Point) 📀
A use case for a software product.
A detailed description of a specific user interaction with the software.
A requirement for a software product.
A bug in a software product
A scenario can be used to: (1 Point) 📀
Oldentify potential use cases for a software product.
Test the functionality of a software product.
Gather feedback from users.
All of the above
A scenario typically includes: (1 Point) 📀

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Actors
Preconditions
○ Steps
All of the above
A precondition is: (1 Point) 📀
A condition that must be met before a scenario can be executed.
A condition that is true after a scenario is executed.
A step in a scenario.
A requirement for a software product.
A postcondition is: (1 Point) 📀
A condition that must be met before a scenario can be executed.
A condition that is true after a scenario is executed.
A step in a scenario.

Fundamentals of software Engineering Class test (Page 2 of 2)
A requirement for a software product.
A scenario can be used to: (1 Point) 🔷
A scenario can be used to. (1 Foint)
O Identify potential risks in a software project.
Prioritize features for development.
— — — — — — — — — — — — — — — — — — —
Communicate the requirements of a software product to stakeholders.
Communicate the requirements of a software product to stakeholders.
All of the above
All of the above
Variable and a first and a fir
You can print a copy of your answer after you submit
Page 2 of 2
Never give out your password. Report abuse

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