Vendor: Microsoft

Exam Code: 70-498

Exam Name: Microsoft Delivering Continuous Value with Visual Studio 2012 Application Lifecycle Management

Version: DEMO

QUESTION 1
You are the lead developer and architect of a development team that develops line of business (LOB) applications.
You need to define an architectural design process for the LOB applications.
Which three architectural goals and principles should you adopt?
(Each correct answer presents a complete solution. Choose three.)

A. Build to change, instead of building to last.
B. Model to analyze and reduce risk.
C. Consider the team velocity.
D. Use models and visualizations as a communication and collaboration tool.
E. Baseline the architecture to ensure consistency and minimize deviation.

Answer: ABD
Explanation:
Consider the following key principles when designing your architecture:
Build to change instead of building to last. Consider how the application may need to change over time to address new requirements and challenges, and build in the flexibility to support this.
Model to analyze and reduce risk. Use design tools, modeling systems such as Unified Modeling Language (UML), and visualizations where appropriate to help you capture requirements and architectural and design decisions, and to analyze their impact.
However, do not formalize the model to the extent that it suppresses the capability to iterate and adapt the design easily.
Use models and visualizations as a communication and collaboration tool.
Efficient communication of the design, the decisions you make, and ongoing changes to the design, is critical to good architecture. Use models, views, and other visualizations of the architecture to communicate and share your design efficiently with all the stakeholders, and to enable rapid communication of changes to the design. Identify key engineering decisions.
Use the information in this guide to understand the key engineering decisions and the areas where mistakes are most often made. Invest in getting these key decisions right the first time so that the design is more flexible and less likely to be broken by changes.
http://msdn.microsoft.com/en-us/library/ee658098.aspx

QUESTION 2
You are an automation engineer for your company.
Your Scrum team is defining processes for how your team should deliver products for product owner approval.
Your development team is deciding what the definition of done should be.
You need to contribute a test suite that will confirm each user story's level of done.
Which test should you perform?

A. Integration
B. Security
C. Performance
D. System

Answer: D

QUESTION 3
You are the application architect on your team.
You have a straightforward architecture consisting of an ASP.NET MVC Web Application that depends on a Class Library, which contains the Business Logic.

The Business Logic uses another Class Library that contains the Data Access code.
No code in the UI should ever use the Data Access library directly.
You need to enforce this architectural requirement.
Which Visual Studio tool should you use?

A. Layer Diagram
B. Directed Graph Document
C. Dependency Graph
D. UML Component Diagram

Answer: A
Explanation:
http://msdn.microsoft.com/en-us/library/dd409462.aspx

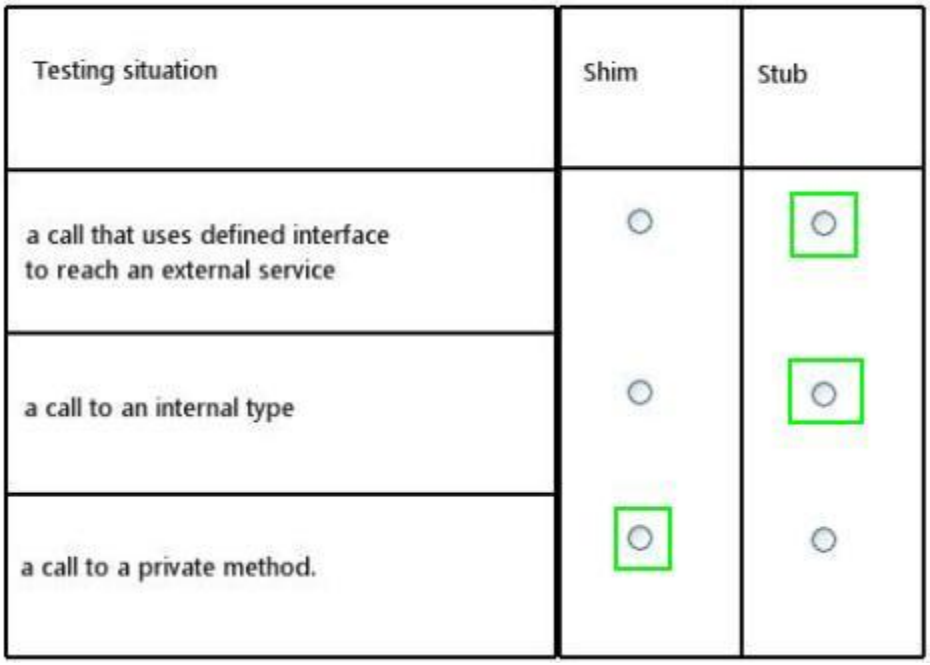
QUESTION 4
Hotspot Question
You are the lead tester for Contoso, Ltd. The company is using Microsoft Visual Studio to develop a new software product.
Management wants to test the product as it is developed. Some components that require testing have dependencies that are not yet built or are otherwise unavailable.
You need to test the components.
In the table below, identify where only a shim or a stub can be used in the situation. Make only one selection in each column.

Answer Area

Testing situation	Shim	Stub
a call that uses defined interface to reach an external service	○	○
a call to an internal type	○	○
a call to a private method.	○	○

Answer:

Answer Area



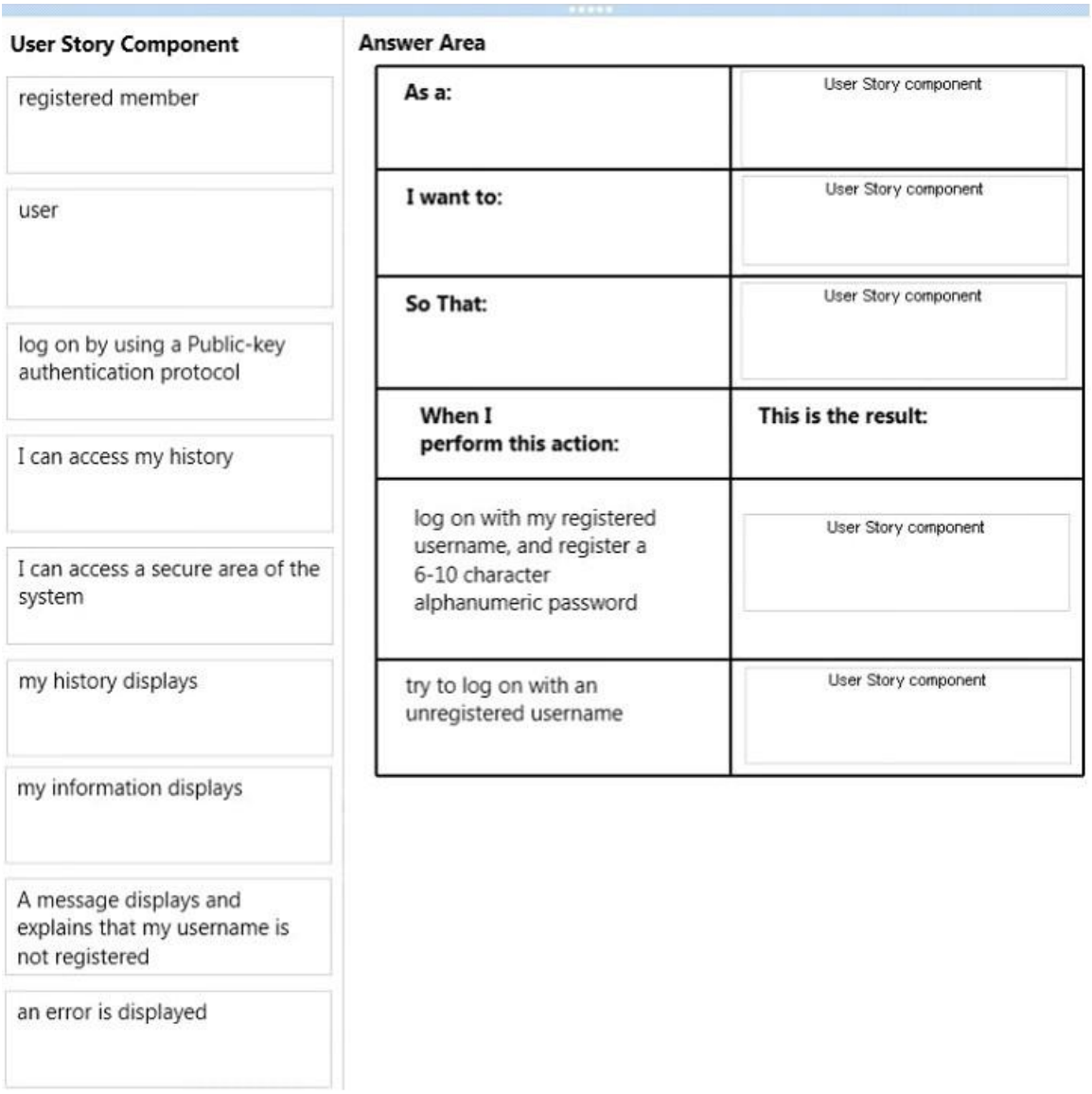
QUESTION 5
You manage a development team that uses the Microsoft Visual Studio Scrum 2.0 process template.
You establish a product backlog, allocate backlog items for a sprint, and define the tasks required to complete the sprint.
You need to ensure that the agreed upon work is assigned to team members.
Who should be responsible for assigning work to team members?

A. Team members
B. Product owner
C. Scrum master
D. Team lead

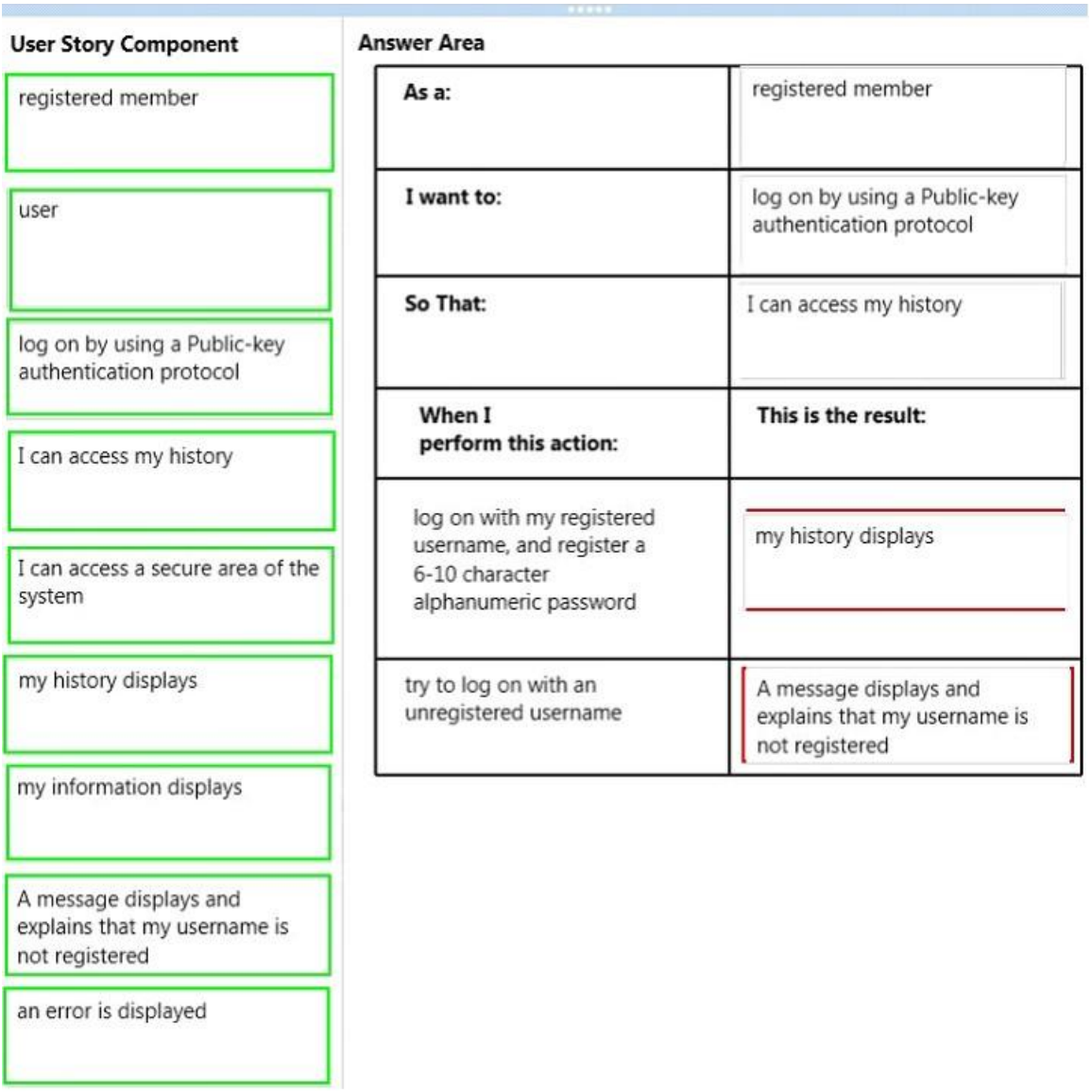
Answer: A
Explanation:
In Scrum, work should never be directed or assigned. When creating or updating a task, don't assign it to anyone who doesn't request the work.
Professional Scrum Development with Microsoft Visual Studio 2012 p.183

QUESTION 6
Drag and Drop Question
You are a developer for Contoso, Ltd. The product owner sends an email with a list of requirements that need to be built out for your company's social media product.
You plan to use the list of requirements to create the Product Backlog. The development team will break these features into user stories.
You need to create a user story from a user's perspective in which the user accesses the contact history. Additionally, you need to document the action the user wants to take and the benefit the user will receive from that action.

Complete the user story. To answer, drag the appropriate component of the user story to the correct target. Each component of the user story may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.



Answer:



QUESTION 7
You are developing release plans for a new software development project.
You need to document a flexibility matrix.
Which three elements should you use?
(Each correct answer presents part of the solution.
Choose three.)

A. schedule
B. risk mitigation
C. scope
D. cost or resources
E. decision-making authority
F. solution architecture

Answer: ACD

Explanation:
http://pm-lotus.com/Wordpress/2009/09/15/the-flexibility-matrix/

QUESTION 8
You are utilizing the Microsoft Solution Framework (MSF) for Agile Software Development 6.0 process template.
You need to track progress for the current sprint.
Which three actions should you perform?
(Each correct answer presents part of the solution. Choose three.)

A. Review team capacity.
B. From the Product Backlog view of the current sprint, review the By Work capacity bars for each contributor.
C. Review the task board.
D. Review the burndown chart.
E. From the project portal, review the Iteration Backlog spreadsheet.

Answer: ACE

QUESTION 9
You are part of a scrum team that is trying to identify user stories to complete in the next sprint.
You and the team need to select user stories for the next sprint.
What should you do?

A. Have the product owner decide which user stories to complete within the sprint.
B. Have the scrum master decide which user stories to complete within the sprint.
C. Have the team decide which user stories to complete within the sprint.
D. Order the user stories by their story points. Select the top stories based on the team's velocity.

Answer: C
Explanation:
The Sprint is a fixed-length event (30 days or less) in which the Development Team forecasts items from the Product Backlog and develops the items in the Sprint Backlog according to the acceptance criteria and their Definition of "Done."
Professional Scrum Development with Microsoft Visual Studio 2012 p.169

QUESTION 10
Your development team uses the Microsoft Visual Studio Scrum 2.0 process template.
The team has identified items from the product backlog for the next sprint.
You need to ensure that the team has adequate capacity to complete the next sprint.
Which three actions should you perform? (Each correct answer presents part of the solution. Choose three.)

A. Review the sprint Burndown chart.
B. Have the team assign hour estimates to each sprint task.
C. Review the sprint backlog.
D. Assign story points to each item in the product backlog.
E. Review the product backlog with forecast set to On to determine if the sprint can be completed based on the team's velocity.
F. Set each team member's per day capacity.

Answer: CEF

Explanation:
Sprint Burndown charts can show the team how much work remains in the Sprint. These charts will often include an ideal trend line. This line represents the ideal rate at which the Development Team is able to complete all of the remaining effort, at a constant rate, by the end of the Sprint.
Professional Scrum Development with Microsoft Visual Studio 2012 p.283
Prior to the Sprint, there shouldn't be any Task work items in the Sprint Backlog. Ideally, the Development Team creates its tasks during the Sprint Planning meeting and not before.
Professional Scrum Development with Microsoft Visual Studio 2012 p.175
The Sprint Backlog contains those items selected by the Development Team plus a plan for delivering them. The Sprint Backlog shows the work remaining in the Sprint at all times.
Professional Scrum Development with Microsoft Visual Studio 2012 p.4
Story points should be already assigned to PBIs during identification for the sprint.

QUESTION 11
Your company network includes a Microsoft Visual Studio Team Foundation Server (TFS) 2012 server and Microsoft System Center 2012.
Your company launches a new customer sales portal.
It is critical that all issues identified as potential bugs get addressed in a timely manner.
You need to ensure that incident response times are managed across support and development teams.
What should you do?

A. Use Service Manager.
B. Create a new incident within System Center and assign it to a bug work item in TFS.
C. Use SQL Server Reporting Services (SSRS) to query the Operations Manager Data Warehouse and create work items.
D. Use Orchestrator.

Answer: A
Explanation:
Service Manager provides an integrated platform for automating and adapting your organization's IT service management best practices, such as those found in Microsoft Operations Framework (MOF) and Information Technology Infrastructure Library (ITIL). It provides built-in processes for incident and problem resolution, change control, and asset lifecycle management.
Orchestrator provides a workflow management solution for the data center. Orchestrator lets you automate the creation, monitoring, and deployment of resources in your environment.

QUESTION 12
Your development team uses Microsoft Visual Studio Team Foundation Server (TFS) 2012 to develop and support an enterprise-wide web application.
The system is too large to perform a manual smoke test.
You need to ensure that the latest release to production has not broken anything.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Create a new build definition with your tests configured for the production URI(s). Run the tests and have TFS report success or failure.
B. Create a new virtual machine in Microsoft Test Manager (MTM) that mirrors your production environment. Create a new build that runs your test projects and have TFS report success or failure.
C. Create a series of CodedUI Tests in Microsoft Visual Studio.
D. Create a complete set of unit test projects within Microsoft Visual Studio 2012.

Answer: B

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