Exam Questions 70-498

Delivering Continuous Value with Visual Studio 2012 Application Lifecycle Management
1. 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

2. You are utilizing the Microsoft Visual Studio Scrum 2.0 process template.

You lead a development team that includes business analysts, developers, and testers.

You need to capture requirements and acceptance criteria. You also need to ensure that requirements and criteria can be versioned and tracked against individual test cases.

What should you do?

A. Create a document that details the requirements and acceptance tests. Store the document in TFS source control.
B. Create a document that details the requirements and acceptance tests. Store the document in the SharePoint site associated with the team project.
C. Add product backlog item (PBI) work items.
D. Create a spreadsheet that details the requirements and acceptance tests. Store the spreadsheet in TFS source control.

Answer: C

3. As the manager of a mission-critical application development project, you oversee the technical delivery of a software application.

The project has not met any of its milestones, and there are early signs that what requested. Each iteration is taking approximately three weeks longer to finish than available is being produced is not what the stakeholders have was scheduled. No more resources will be made available.

You need to reduce the cycle time without impacting commitments.

Which two actions should you perform? (Each correct answer presents a complete solution. Choose two.)

A. Reduce (or remove) cycle requirements for quality assurance (QA) and user acceptance testing (UAT). Reorganize the project team to have all hands working on development tasks until the backlog has been caught up to schedule.
B. Analyze the complexity of the work in progress (WIP) and determine if there is any way to simplify the tasks.
C. Work with your technical leads to remove any features from the end product that, on paper, make up the difference in project delays. Then inform the stakeholders what you will patch in later.
D. Create a technical oversight committee that will meet and review all project work and identify areas for improvement for the next cycle.
E. Identify and remove wait times in the development cycle.

Answer: B,E

4. DRAG DROP

You are on the development team of your company’s newly-formed Scrum team.

At the start of your first sprint, your Scrum Master tells you that you are required to participate in the Daily Scrum or Stand-up.

You need to attend this meeting and give feedback to three important questions.

Which three questions should you answer in sequence? To answer, move the appropriate questions from the list in the answer area and arrange them in the correct order.
5. Your scrum team develops features for new applications and performs maintenance on legacy applications. The newer applications have unit tests, but there are very few tests for the legacy code.

Recently, bugs in the legacy code have been consuming resources that could be used for more important development. You need to define an approach for building tests on the legacy code. You need to achieve this goal without affecting the team’s delivery cadence on the new applications.

What should you do?

A. Write tests for legacy code between sprints.
B. Implement manual testing for bug fixes to legacy code.
C. Stop new development and write tests for most of the legacy code.
D. Continue development on the new applications, but write tests for any legacy code you work on as part of maintenance.

Answer: D

6. Your development team uses Scrum as its process framework and utilizes the Microsoft Framework (MSF) for Agile Software Development 6.0 process template.

A new team member who is new to Scrum assumes the role of product owner. You need to help the new product owner prioritize the product backlog.

Which basis should you suggest the new product owner use for prioritizing the product backlog?

A. personal preference
B. estimated cost and effort for each requirement
C. risk and business value of each requirement
D. technical complexity of each requirement

Answer: C

7. You are a project manager responsible for all phases of a new application development project.

Your project is a customer-facing website that is strategic to the rollout of a new product. You need to ensure that the project is delivered on time and on budget with a minimal number of defects.

What should you do first?

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A. Create test plans and author test cases.
B. Conduct exploratory test sessions.
C. Illustrate requirements with Microsoft PowerPoint storyboarding and link storyboards to work items.
D. Engage stakeholders to provide feedback about pre-release software.

Answer: C

8. DRAG DROP

You are developing a web application. Currently, the test team tests the website on a Hyper-V virtual machine (VM) named WebTest. The majority of the test cases explicitly reference WebTest.

The test team wants to divide into two independent teams to speed testing, and has indicated that they will likely create a third test team soon.

You need to define a strategy that provides separate test environments for each team with as little impact on the tests as possible.

What should you do? (To answer, move the three appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

9. You are a developer. Your company has a Microsoft Visual Studio Team Foundation Server (TFS) installation for a project. The TFS installation uses the Microsoft Solutions Framework (MSF) for Agile Software Development project template. The developers have standard Contributor permissions, and the Scrum Master has Project Administrator permissions.

The project development team performs time of regression testing of all stories at the end of each release. Defects are linked to the corresponding story. The team wants to view all completed user stories for release 1 with related open defects. This query needs to appear on the home page of the web portal.

You need to create a query that includes the user story title, defect title, and the status of the defect.

Which two actions should you perform? Each correct answer presents part of the solution.

A. Using the Query editor, create a new Flat query named Rl Open Defects. Set Work Item Type to Defect, and set the State filter to <> Done.
B. Using the Query editor, create a new direct links query named Rl Open Defects that links user stories by using the iteration filter Under, Release 1, and related Bugs. Filter the bugs by by State < > Done.
C. Have the Scrum master right-click the query Rl Open Defects, and select add to team favorites.
D. As a developer, from the Query menu, right-click the query Rl Open Defects, and select add to team favorites.

Answer: B,C
10. You develop a web application that will be automatically deployed to a staging web server on which Internet Information Services (IIS) 7 is installed.

You are defining a new build definition based on the DefaultTemplate.xaml build process template. This build definition will run every night and will publish the web application to a specific location.

You provide the following MSBuild arguments in your build definition:

```
/p:DeployOnBuild=True
/p:DeployTarget=MsDeployPublish
/p:MSDeployPublishMethod=WMSVC
/p:Configuration=Release
/p:MsDeployServiceUrl=https://staging.mycompany.com:8172/msdeploy.axd
/p:DeployIsAppPath=staging.mycompany.com/virtual_directory_name
/p:AllowUntrustedCertificate=True
```

You need to ensure that all prerequisites are installed and configured at the web server to support the build definition.

What should you do?

A. Install a self-signed server certificate for the site on which the web application is deployed.
B. Install Team Foundation Power Tools.
C. Install and configure Microsoft Web Deploy and Web Management Services.
D. Create an FTP site for the address staging.mycompany.com.

Answer: C
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