

Interview Questions – 1

1. Why is the software development lifecycle important?
 - Important because we can get some guidance in developing good-quality software
2. Explain your experience in the requirement gathering/analysis phase of the SDLC
 - In my current project, I helped the BAs gather and analyze the requirements while following the S.M.A.R.T Criteria (Specific, Measureable, Accurate, Realistic, Timely). In my previous project, there were no Business Analysts, and so I was tasked with the job of communicating with the end client, and gathering the requirements. Once I gathered the requirements, I was to work with the developers and create technical requirements from the business requirements – again following the S.M.A.R.T criteria.
3. Have you created an RTM? What is the purpose of the RTM?
 - YES I have created many RTMs over the years. The purpose of the Requirement Traceability Matrix is to trace the requirements to the test cases to ensure test coverage. We can use the RTM to ensure that we have successfully covered all of the requirements. The RTM serves as proof to the client that the functionality(ies) that were requested by them have been developed and are working as requested.
4. What are some of the Exit Criteria that you've included in your test plans?
 - a. All tests have been executed and passed
 - b. All High and Medium Severity Level bugs have been fixed, re-tested, and closed
 - c. No more than 0.5% low severity bugs exist on the application
 - d. Deadlines or Budgets have been met
 - e. 100% Requirement Coverage by test cases
5. What is the difference between Re-testing and Regression Testing?
 - Re-Testing: Done to verify that a bug has been fixed. We execute again the same test case that failed previously
 - Regression Testing: Executed to verify that updates to an application (can be updates or bug fixes) have not negatively affected the application. We execute again the same test case that passed previously

Interview Questions – 2

1. How do you determine Level of Effort when planning testing efforts?
 - a. Determine the Testing Efforts:
 - i. Analyze Requirement
 - ii. Establishing the Testing Environment
 - iii. Creating the Test Plan
 - iv. Creating/Getting Test Data
 - v. Test Execution
 - vi. Test Case Design
 - vii. Defect Tracking/Resolution
 - b. Determine how long it will take to complete each task
 - i. Analyze Requirements – 2 hours
 - ii. Establishing the Testing Environment – 5 hours
 - iii. Creating Test Plan – 3 hours
 - c. Adding up all the times for each task will give you the Estimated Testing Level of Effort (LOE)
 - d. Always provide a buffer when sharing your estimated LOE
2. What would you do when you don't have any requirements but are asked to design tests for a functionality?
 - a. Assuming there are no Business Analysts, I will go to the client and determine the business requirements
 - b. Once I have the business requirements, I will work closely with the developers to create the technical requirements using the S.M.A.R.T criteria
 - c. Once the technical requirements have been made and approved, I will begin designing my test cases
3. What are some test design techniques you employ while creating your test cases?
 - a. Equivalence Partitioning:
 - i. We split up the test conditions into equal groups (partitions) and then we take any condition from each group and test it
 - b. Boundary Value Analysis:
 - i. We take the equivalent partitions and test at the boundaries
4. In UFT, when would you need to use a Recovery Scenario and when would you use Descriptive Programming (the on error statements) to handle exceptions?
 - a. Recovery Scenario:
 - i. When you have unexpected errors
 - b. On Error Statements:

- i. When you have expected errors
- 5. What are the data types supported by VBScript?
 - a. There is only 1 data type in VBScript and it is called 'Variant'
 - b. There are many Variant Subtypes
 - i. Example: String, Boolean, Integer, Long, Currency, Double, Byte, etc.

Interview Questions – 3

1. What is the difference between a Function and a Sub-Procedure?
 - a. Functions may return values
 - b. Sub Procedures never return values
2. How will you compare 2 strings in VBScript?
 - a. strComp – Compares to strings, if they're equal it will return a 0
 - b. If strComp returns something other than 0, then the strings are not equal
3. How do you handle Epics in your current Agile environment?
 - a. Epic: A Large user Story that has not yet been refined (groomed)
 - i. Example: Users should be able to purchase items from the web store
 1. Estimated Testing LOE: 120 hours (and we have 2 week sprints)
 2. Product Owner will break down this epic into smaller, more manageable user stories which will have smaller individual LOEs.
 3. I participate in Story Grooming meetings where I help the Product Owner refine (groom) the epics by asking questions and providing feedback based on my experiences with the application
4. In your current project, how long are your sprints?
 - a. 1 week, or 2 weeks, or 3 weeks, or 4 weeks
 - b. Never give a range!
5. Explain your Change Management Process at your current job.
 - a. I would make a change request and send it to my Test Lead
 - b. Test Lead will review the change and approve/deny the change request.
 - c. Test Lead (if CR is approved) will send the CR to the Change Request Board (CRB)

- d. The CRB is made up of senior management (Dev Managers, Test Managers, Project managers, etc.) CRB will meet and review the change request and approve/deny the request
- e. If the CRB approves the request, then the Requirement is updated, the Developers and testers are made aware of the change, and the change is implemented

Interview Questions – 4

1. What are the various types of properties available when using the Object Identification feature in UFT?
 - a. Mandatory Properties
 - b. Assistive Properties
 - c. Ordinal Identifiers
2. How do you find the size of an array?
 - a. UBound VBScript Function
3. What is the difference between GetROProperty and SetTOProperty?
 - a. GetROProperty: Get RunTime Object Property
 - i. Captures the run-time object's specified property value
 - b. SetTOProperty: Set Test Object Property (Test Object: Object in the OR)
 - i. Sets a property value for a Test Object you have identified

4. What are the steps to creating a test case in ALM, assuming the requirements are available in the Requirements section of ALM?
 - a. Convert the requirements into tests
 - i. Requirements -> Convert to Tests -> Select the Conversion option -> Select the Location in the Test Plan section -> Verify the Folder Structure in the Test Plan Section -> Convert
 - b. Create tests directly in the test plan section
 - i. Test Plan Section -> Create the Location in the Test Plan Section -> Create a New Test Case -> Add description and other details -> Add Design Steps with Expected Results -> Add Parameterization as needed -> Add Requirement Coverage
 - c. Create tests in Excel and import them into the Test Plan Section
 - i. Create the Excel file with the test cases which includes the test steps and expected results
 - ii. Launch the Excel Add-in for ALM in Excel
 - iii. Login to ALM via the ALM Add-in in Excel (connect to the domain and login to the project)
 - iv. Map the Excel Columns to the ALM test case fields
 - v. Validate
 - vi. Export
 - vii. Go to Test Plan Section and verify Excel Test Cases are present (refresh if necessary)
 - viii. Map the requirements to each test case
5. What is 'Coverage Status' and what is the purpose of it?
 - a. Status that is determined based on the covered Test Case Execution status
 - b. If no test case is covering that requirement, the Coverage Status will be 'Not Covered'

Interview Questions – 5

1. How can you deal with a bug that you are unable to reproduce?
 - a. Work with your developers to try to track the bug's previous occurrences
2. Have you participated in Walk-Through meetings? Describe your experience with these meetings.
 - a. Yes I have.
 - b. When I have lead the UAT effort in previous projects, I would first sit down with the UAT team and walk them through the application to make sure they understand the new functionality
 - c. Once they understand the functionality they will begin creating their UAT test cases. I will guide them to make sure they are applying the correct steps
3. What do you normally include on a Bug Report?
 - a. Defect ID
 - b. Created by
 - c. Assigned to
 - d. Defect Status
 - e. Defect Severity
 - f. Project Details
 - g. Steps to Reproduce with Expected Results
 - h. Actual Results
 - i. Screen shots/Videos
 - j. Description/summary
 - k. Date/Time the defect occurred
4. How can you determine the variant subtype of a value using VBScript?
 - a. VBScript Function 'TypeName' will return the variant subtype
5. Describe the 2 ways you have used Descriptive Programming in UFT.
 - a. Static Descriptive Programming
 - i. This is where you provide the object property-value pairs to identify the object in a particular string
 - ii. `Browser("micclass:=Browser").Page("micclass:=Page").WebButton("name:=Sign-In", "html tag:=SUBMIT").Click`
 - b. Dynamic Descriptive Programming

- i. This is where you create a Properties Collection Object using the Description.Create method and then store property value pairs within the Properties Collection Object
- ii. Then we use the Properties Collection Object to identify the object in the action
- iii. `Browser("micclass:=Browser").Page("micclass:=Page").WebButton(oWebButton).Click`

Interview Questions – 6

1. Describe the different Scrum Ceremonies you have taken part in at your current job.
 - a. Daily Scrum (Daily Stand up)
 - i. What I did yesterday
 - ii. What I'm going to work on today
 - iii. What Impediments I have (if any)
 - b. Sprint Planning
 - i. Development Team is going to commit to some work to be done during the Sprint
 - c. Sprint Review
 - i. Show and Tell
 - ii. Dev Team presents to the Product Owner the work that was completed during the sprint
 - iii. Product Owner accepts or rejects the work
 - iv. Any work that was committed to, but not completed, will be considered Technical Debt
 - d. Sprint Retrospective
 - i. Development team gets together and discusses:
 1. What went well
 2. What didn't go so well
 3. How the Development can improve
 4. No product owner allowed
 - e. Story Grooming (Story Time) Meeting
 - i. Product Owner runs this meeting

- ii. Development team can help the product owner to refine the user stories
 - iii. Development Team will ask clarifying questions about the user stories to help the product owner better refine (groom) the stories
 - iv. Once refined, the development team can determine LOE estimates for the user stories
2. Suppose there is a 'Register' link on a web page. What will be the html tag property value?
- a. Html Tag Property value for a link will always be 'A'
3. Describe the Bug Lifecycle your organization currently follows
- a. Tester finds the bug, verifies that it's a valid bug
 - b. Tester Logs the bug and assigns it to the Test Lead for Verification
 - c. Test Lead, after verifying the bug, will assign the bug to the Development Lead
 - d. Lead Developer will assign the bug to a developer after verifying the bug
 - e. Developer will fix the bug and assign it back to the original tester for re-testing
 - f. Tester will re-test and then close the bug or reassign to the developer as necessary
4. Have you ever participated in Defect Triage?
- a. Yes I have
 - b. I actually introduced a meeting called the Bug Scrub meeting
 - c. In this Bug Scrub meeting, Testers, Developers, and Product Owners were involved
 - d. The meeting was held every day around 3:30 or 4:00pm
 - e. The goal of the meeting was to discuss all open bugs and determine if they're valid and when they'll be fixed (ETA)
5. What are the four ways to associate function libraries with your script in UFT?
- a. LoadFunctionLibrary
 - b. ExecuteFile
 - c. Automation Object Model (AOM)
 - d. File → settings → Resources → associate Function Library

Interview Questions – 7

1. How many tests would you create to fully test the following requirement:

Requirement: Credit Card field should accept only 16 digits

- a. 5 test Cases
 - i. 0 digits
 - ii. 1 digit
 - iii. 15 digits
 - iv. 16 digits
 - v. 17 digits

- 2. How can you capture a screen shot in UFT during run time?
 - a. CaptureBitmap method

- 3. What are the components of a hybrid framework in UFT?
 - a. Functions
 - b. Driver Script
 - c. Excel Workbook
 - i. Test Cases Sheet
 - ii. Test Data Sheet
 - iii. Test Steps Sheet
 - iv. Keywords Sheet (used for reference)

- 4. Create a function to connect to excel. Excel should not appear during run time
Dim MyExcel, MySheet

Function fnConnectExcel(filepath)

Set MyExcel = CreateObject("Excel.Application")

MyExcel.Workbooks.Open (filepath)

Set MySheet = MyExcel.ActiveWorkbook.Worksheets("Sheet1")

End Function

5. What is a 'Show Stopper'?
- a. A bug that is preventing the testing from continuing

Interview Questions – 8

1. How many people are on your team?
 - a. 8 people on Development Team
 - i. 5 developers
 - ii. 3 testers
 - b. 1 Product owner
 - c. 1 Scrum Master
2. What is the difference between a Run-time object and a Test Object?
 - a. Run-Time object is an object found in the Application Under test (while the test is running)
 - b. Test Object – Object in the Object Repository which is a reference to an object in the Application
3. How would you remove all spaces from a string using VBScript?
 - a. Replace Function
 - i. Replace all the spaces with ""
4. How can you check if a given variable is an Array variable or not?
 - a. IsArray VBScript Function
5. What is batch testing and how can we conduct batch testing using UFT?
 - a. Batch Testing is when we execute tests 1 after the other
 - b. We can do this using AOM

Interview Questions – 9

1. What is the Test Fusion Report in UFT?
 - a. The Test Report that is generated after a test run in UFT
2. Assume there are 10 button on a web page. I want to capture the name property value from all of them. How will I do this in the most efficient way?
 - a. ChildObjects Method
3. What are the different types of Environment Variables in UFT?

- a. Built-in Environment Variables
 - b. User-Defined Internal Environment Variables
 - c. User-Defined External Environment
4. How can we customize the report that is generated by UFT?
- a. Reporter.ReportEvent
 - i. There are 4 Events
 - 1. micPass
 - 2. micFail
 - 3. micDone
 - 4. micWarning
5. Assume you have created a Hybrid framework. The manual testers sometimes add additional spaces in the 'TestSteps' sheet while calling the Keywords. How can you handle this issue in your code?
- a. Trim Functions
 - i. LTrim – Remove spaces from the left side of the string
 - ii. RTrim – Remove spaces from the right side of the string
 - iii. Trim – Remove spaces from both sides of the string