## Advanced Developer Certification Theory Test Version 1

1. Which emails are deleted if you use Get IMAP Mail Messages with the DeleteMessages property set to true?
   1. The ones in the list that is retrieved by the Get IMAP Mail Messages activity.
2. What happens if the ClickBeforeTyping property in a Type Into activity is selected?
   1. Before typing, a click is performed at the center of the UiElement.
3. Which of the following SQL statements can be executed by using the activity called Execute Non Query?
   1. Insert
   2. Update
   3. Delete
4. At the end of the execution of Workflow1, which retrieves some items from a database, is the database connection closed automatically?
   1. One of the following is correct
   2. The connection has to be closed using a Disconnect activity.
   3. Only the database admin can decide this aspect.
5. How can you provide more details to explain the purpose of the activities in a workflow?
6. activity annotation
7. comment activity
8. What is the robot able to do when the Full Text scraping method is used?
9. Get hidden information.
10. Get editable text.
11. Get the entire visible text.
12. How does the Anchor Base activity work?
    1. It searches for an UiElement by using another UiElement as anchor.
13. What type of Output variable do all Get Mail activities return? (POP3, IMAP, Outlook, Exchange)
    1. List <MailMessage>
14. What can be used to debug a workflow?
    1. Breakpoints
    2. Highlighting activities.
    3. The Slow Step option.
15. Is there any way to hide the execution of one activity in the logs?
16. Yes, by checking the Private property of the activity that is to be hidden.
17. What happens when a new version of a package is published?
    1. The processes have to be updated in order for the robots to run the latest version of the package
18. “Add Assets” in Orchestrator has the following option:
    1. Value Per Robot
    2. Single Value
19. When should the “Add Log Fields” activity be used?
    1. When the standard log message has to be customized by adding new fields to it
20. What robot state is displayed on the Robots page while a job is being executed?
21. Busy
22. What is Orchestrator used for?
23. Remotely controlling any number of robots and performing workflow management.
24. The best way of managing variable values within a workflow, so that they can be shared on different robots and environments is:
25. Using assets defined in Orchestrator
26. What is the relation between environments and provisioned robots?
    1. One robot can be assigned to multiple environments.
    2. An environment can contain multiple robots.
27. What status does a job have when a schedule is triggered in Orchestrator, but there are no available robots to execute it?
    1. Pending
28. Which of the following statements related to Orchestrator are true?
    1. Robots can be assigned to multiple environments.
    2. A robot can execute many different jobs one after the other.
29. What is the best practice to stop an ongoing job in Orchestrator?
    1. By cancelling it and using a Should Stop activity inside the workflow.
30. What is the best way to select a row with a certain value from a column in Excel?
    1. Use a Read Range Activity to retrieve the contents of the Excel file, and then use a Select method to identify the desired row.
31. How can you pass data between workflows?
    1. By using arguments.
32. Which Queue Item properties can be used to control the order in which the items are processed?
    1. Either one of them is wrong:
    2. Priority
    3. Deadline
    4. Item Information
    5. Postpone
33. If a large item collection is processed using For Each, which activity enables you to efficiently exit the loop after a specific moment?
    1. The “Break” activity is the most suitable in For Each
34. In the UiPath Robotic Enterprise Framework template, in the Main workflow, what is the default type of the TransactionItem variable?
    1. QueueItem
35. Where should you store the environment settings that are prone to changes?
    1. In Orchestrator, as assets
    2. Inside config files (.xml, .json, .xlsx, etc.)
36. In the UiPath Robotic Enterprise Framework template, where can the GetAppCredentials workflow retrieve credentials from?
    1. Orchestrator Asset
    2. Windows Credential Manager
    3. User dialog
37. What layout should be used for UI navigation and data processing?
    1. Sequence
38. In the UiPath Robotic Enterprise Framework template, what happens if the processing of a transaction item fails with an Application Exception or a System Error?
    1. All used applications are closed and then re-initialized.
    2. The execution of the transaction item is retried if the MaxRetryNumber config value is greater than 0.
39. In the UiPath Robotic Enterprise Framework template, in the Main workflow, the State Machine includes the following states:
    1. Either one of them is wrong
    2. Init state
    3. Get transaction data state
    4. Set Transaction State
    5. Process Transaction State
    6. End​ ​Process​ ​State
40. Which of the following are considered best practices?
    1. Removing unreferenced variables.
    2. Deleting disabled code.
41. In the UiPath Robotic Enterprise Framework template, in the Get Transaction Data state of the Main workflow, what happens before the next transaction item is retrieved?
    1. We check if a stop signal was sent from Orchestrator
42. Which of the following statements are true? Select all the options that apply.
    1. The recorder is used to create a skeleton for the UI automation
    2. The Desktop recorder generates partial selectors
43. You want to build a Dispatcher process to populate an Orchestrator Queue for parallel processing on multiple robots. Which activity should you use to add a queue item for each work item?
    1. Add Queue Item
44. Which of the following are considered best practices? Select all the options that apply.
    1. Breaking the process into smaller workflows.
    2. Reusing workflows across different projects.
45. When requesting a work item from Orchestrator Queues using the Get Transaction Item activity, you need to specify the following:
    1. The name of the Queue which contains that specific work item
46. Which one of the statements below regarding the GetAppCredentials workflow included in UiPath Robotic Enterprise Framework is true?
    1. It​ ​first​ ​tries​ ​to​ ​fetch​ ​​a​ ​credential ​​from​ ​Orchestrator.
47. Which is the best way to navigate to a specific page in a web browser?
    1. Use the Navigate To activity inside an Attach Browser container
48. Where should credentials be stored? Select all the options that apply.
    1. In Windows Credential Store.
    2. In Orchestrator, as assets.
49. In the UiPath Robotic Enterprise Framework template, what should be the outcome of the Process Transaction state of the Main workflow when the application loops back to the Get Transaction Item state?
    1. Success
    2. Business rule exception
50. What is the best way of scraping a large, selectable text in a Citrix environment?
    1. Select the entire text and copy it with the Copy Selected Text activity.
51. How should a UiPath developer handle frequent changes in the project files?
    1. By using a source control solution, such as SVN, TFS, etc.
52. What is the difference between a Click activity whose SimulateClick property is checked and another one with the same property unchecked?
    1. The activity with the SimulateClick flag unchecked moves the mouse cursor over the target element, while the one with the flag set does not move the mouse cursor.
53. In which workflow in the UiPath Robotic Enterprise Framework template is the TransactionNumber global variable incremented by default?
    1. SetTransactionStatus workflow
54. In the UiPath Robotic Enterprise Framework template, if a System Error is encountered in the Process Transaction state of the Main workflow, which state is executed next?
    1. Init

# Advanced Developer Certification Theory Test Version 2

1. What is the safest way to close an application?
   1. By using the Close Application activity
2. What is the purpose of the WaitForReady property in any UiAutomation activity?
   1. Before performing the actions, waits for the target to become ready.
3. Bottom of Form
4. What type of argument can you define to pass data and retrieve the modified value from an invoked workflow?
   1. In/Out
5. Which statements are true regarding the Write Line and the Log Message activities?
   1. By using a Log Message activity, you can set different levels of tracing.
6. Write Line is just a Log Message set on Trace.
7. By using any of them, you generate traces in the Output panel and also in the log files.
8. How can a robot start an application in citrix environment?
   1. By using a command line
   2. By double clicking on a Desktop icon
   3. By defining a shortcut key for the application and then triggering the app with a Send Hotkey activity
9. You need to collect employees data and send it by email as an Excel file. What type of workflow is the most suitable for the final part, which adds the file attachment, formats the email, and sends it?
10. Sequence
11. Which of the following types of variables can be defined in UiPath Studio?
    1. Not too sure (Probably just Number and DataTable)
12. How can you dynamically change parts of a selector?
    1. By using variables to replace the dynamic parts
13. Can you store a Selector in a variable?
    1. Yes, in a String variable.
14. Is it possible to retrieve the color of a specific Excel cell?
    1. Yes, by using Get Cell Color
15. What do the Items in the Orchestrator queues consist of? Select all the options that apply.
    1. Input data for the processes executed by the robots
    2. Processes to be executed by the robots
16. What happens if you try to end the execution of a job by clicking the Kill/Terminate button in Uipath Orchestrator?
    1. The execution process is killed.
    2. The job state is changed to Canceled/Stopped, even if no Should Stop activity was used.
17. What is the best way of restricting the access of a person to a limited number of pages in Orchestrator?
    1. By creating a different account and role for that person. When creating a new role, restrictions can be applied.
18. How can a process be executed on three different robots?
19. By creating a job and selecting all three robots
20. By scheduling the process and adjusting the settings in the Execution Target tab accordingly
21. Where can you trigger an unattended robot from? Select all the options that apply.
22. The UiPath Robot icon in the system tray
23. Remotely, from Orchestrator
24. What happens if the result of a transaction is not set?
25. The status is “In Progress” for 24 hours, and then it switches to Abandoned
26. What happens if you try to end the execution of a job by clicking the Stop/Cancel button in UiPath Orchestrator?
27. The execution is not impacted if no Should Stop activity has been included in the workflow in Studio.
28. Is it possible to reprocess a transaction in a Queue after its failure due to an application exception?
29. Yes, if the Auto-Retry property of the Queue is enabled.
30. Yes, it can be retried manually on the Transactions page.
31. What robots can be selected when you start a job from Orchestrator?
32. Any robot in the same environment as the process to be executed.
33. Where can the logging level of a robot be changed from?
34. The robot settings, which are accessed via the UiPath Robot icon in the System tray.
35. Orchestrator, in the Edit Robot section, the Settings tab.
36. Downloading a report from a web application takes a variable amount of time, but a pop-up window is shown when the download is finished. What should you do to check whether the file has been fully downloaded before continuing the process?
37. Use the On Element Appear activity and indicate the download pop-up window
38. Which of the following are considered best practices?
39. Start your new sequence with a short annotation meant to explain the purpose of the workflow.
40. Think about the exceptions that might occur during the execution of the process.
41. Which of the following are required to have efficient execution of automation projects?
42. Proper exception handling
43. Recovery abilities
44. Effective logging mechanisms
45. How can you retrieve the value stored in a Queue Item variable?
46. Use the SpecificContent property
47. Which is considered to be one of the best practices regarding the process finalization?
48. Leave the application in its initial state, so that we can execute the process again
49. While automating an installation wizard, a pop-up window may or may not appear. What can you use to close the window without stopping the workflow?
50. Use a Click activity inside a Try Catch activity
51. Use a Click activity with the ContinueOnError property set to True.
52. Use a Click activity and set its TimeoutMS property to 30.
53. In the UiPath Robotic Enterprise Framework template, to enable the retry mechanism without using Queues, what should the value of MaxRetryNumber be set to?
54. Any value greater than 0
55. When should an Attended Robot be used? Select the option that applies.
56. When the processing of some input data relies on human decision.
57. In the UiPath Robotic Enterprise Framework template, if a System Error is encountered in the Init state of the Main workflow, which state is executed next?
58. End Process
59. The String.Format(“Input = {0} and Output = {0}”, “1”,”2”) expression returns the following:
60. Input = 1 and Output = 1.
61. The return value of the Get Transaction Item activity is of the following type:
62. QueueItem
63. After adding an Invoke Workflow File activity and selecting the workflow to invoke, you need to:
64. Click Import Arguments, and then bind the arguments to the local variables or to some default values
65. How should exceptions be handled? Select all the options that apply.
66. By using Try Catch activities inside the workflow for unexpected application exceptions.
67. By validating data using conditional blocks for business exceptions.
68. How can you improve a selector?
69. By replacing the dynamic parts of an attribute with wildcards.
70. By using intermediate containers for a better matching of the UI element.
71. Which statement about the UiPath Robotic Enterprise Framework template is false?
72. The framework can be used only if you get the input data from the UiPath​ ​server​ ​queues.
73. One of the steps in your process is to authenticate on a web application. How can you check if the login succeeded or not?
74. Use an Element Exist activity to check whether the login succeeded by searching for an element that is only displayed in that case.
75. What are the functions of the Outline panel?
76. It shows the structure of the workflow
77. If the Activities are properly named, it can be used to search and select specific Activities used inside the workflow
78. In a Try Catch activity, how many times is the Finally section executed if no error occurs in the Try section?
79. Once
80. What can the UiPath Robotic Enterprise Framework template be used as?
81. The starting point for every automation project
82. In UiPath Robotic Enterprise Framework, the value of MaxRetryNumber in the Config.xlsx file should be set to a number greater than 0 to enable the retry mechanism in the following cases:
83. Get data from spreadsheets,​ ​databases, email,​ ​web​ ​API.
84. Do not work with UiPath​ ​Orchestrator ​queues.
85. Get data from UiPath Orchestrator queues with Auto Retry disabled.
86. When should the Simulate Type/Click property be used?
87. Whenever supported by the target application (Fastest)
88. What happens in the Init state of the Main workflow, in the UiPath Robotic Enterprise Framework template?
89. The robot reads the configuration file and initializes all the required applications
90. In which workflow in the UiPath Robotic Enterprise Framework template is the retry mechanism implemented?
91. The SetTransactionStatus workflow
92. In UiPath Robotic Enterprise Framework, what are the transitions of the Init state?
    1. In the case of Success, the transition is to the Get Transaction Data state.
    2. In the case of System Error, the transition is to the End Process state.
93. This is a reliable selector for a dynamic web page: webctrl idx='144' tag='IMG'/
    1. False
94. One of the actions below is not required when starting processes with UiPath Orchestrator.
    1. Creating a queue in Orchestrator
95. How can you identify a column in a DataTable?
    1. By using the column name.
    2. By using the column index
96. Which activity is used to call another piece of automation?
    1. Invoke Workflow File
97. What is the robot able to do when the Full Text scraping method is used?
    1. Get hidden information.
    2. Get editable text.
    3. Get the entire visible text.
98. What is the slowest method of reading text?
    1. OCR
99. Which activity provides the easiest way to loop through all the rows in a DataTable?
    1. For Each Row
100. Consider three GenericValue variables, var1 with the default value of “3 apples”, var2 with the default value of “5 mangos”, and the result, which is the output of an Assign Activity with the var1 + var2 expression. What is the value of the resulting variable?
     1. “3 apples5 mangos”
101. Why is renaming activities considered to be one of the best practices?
     1. In case of an exception, to be able to find its source activity
     2. To be able to understand the process logic without expanding each sequence or invoked workflow.
     3. To easily understand the high-level business logic from a workflow.
102. Which of the statuses below can a transaction have? Select all the options that apply.
     1. New
     2. In progress
     3. Successful
     4. Abandoned
     5. Failed
     6. Retried
     7. Deleted
103. What types of assets can be stored in Orchestrator?
     1. Bool, String, Integer, Credential