**RPA UIPATH Interview Questions**

1. Types of Robots?
   1. **Floating -** With same license you can use in multiple computer, only be used with Attended or Developer robots.
   2. **Standard** - Works on a single Standard Machine (Non-Production, Development, etc.)
2. Data Types used for Assets?
   1. Text.
   2. Boolean.
   3. Credential.
   4. Integer.
3. What is the extension, after a package is been published?
   1. NuGet package.
4. What is the data type for outlook’s output activity?
   1. List.
5. Difference between SMPT, IMAP, Send Exchange Mail Message, POP3, get Outlook, send Outlook?
   1. **POP3 -** Downloads the email from a server to a single computer, and then deletes the email from the server.
   2. **IMAP** - Stores the message on a server and synchronizes the message across multiple devices. We can get customized email.
   3. **SMTP** - With SMTP you are sending, [relaying](https://www.socketlabs.com/blog/smtp-relay/), or forwarding messages from a mail client (like Microsoft Outlook) to a receiving email server. for sending the dynamic mail
   4. **Get outlook:** Through get outlook activity we can receive the static mail
   5. **Send Outlook:** Through this activity we can automatically send the static mail.
   6. **Send Exchange Mail Message -** Outlook application must be installed on the machine.
6. What is RPA LIFE CYCLE?
   1. Analysis,
   2. Bot Development,
   3. Testing,
   4. Deployment and Maintenance.
7. Components of UIPATH?
   1. Studio,
   2. Robot,
   3. Orchestrator.
8. Types of workflows?
   1. Flowchart,
   2. Sequence,
   3. State Machine.
9. Difference between ATTENDED and UNATTENDED?
   1. **Attended:** Works on same workstation and usually triggered by user actions. And can be started through only Robot Tray.
   2. **Unattended:** Runs in virtual environment and can automate any number of processes.
10. Difference between Full and Partial Selectors?
    1. **Full Selector:** 
       1. Generated by basic recorder.
       2. Recommended when switching between multiple windows,
       3. Runs in the background.
       4. Contains hidden elements.
    2. **Partial Selector:**
       1. Generated by Desktop Recorder.
       2. Top level window information is not collected.
       3. Recommended when performing multiple actions in the same window.
11. Types of Wild Cards?
    1. Asterisk (\*): Replaces zero or more characters.
    2. Question Mark (?): Replaces a single character.
12. Types of recordings?
    1. Web.
    2. Citrix.
    3. Desktop,
    4. Basic.
13. **How to run bot through command prompt & create shortcut of robot?**
    1. Firstly publishing package through design panel, then we have to take that published nugget package location & -file your .xaml location.
14. **How to create database connection with Uipath & take the data from database?**
    1. For database automation you have to install Uipath database activity from Manage package & you have to provide all the details of whatever database you are using in activity properties.
15. Database activities?
    1. For database there are lots of activities like Connect, Disconnect, Execute query & Non execute query.
16. What is Thick and Thin client?
    1. **Thick client:** It is nothing but working on local machine. e.g. calculator, Internet Explorer.
    2. **Thin client:** working on Virtual machine.
17. What is the difference between Throw and ReThrow?
    1. **Throw:** Occurs before execution of particular step.
    2. **ReThrow:** when you want activities to occur before the exception is thrown.
18. **Difference between Variable and Arguments?**
    1. **Variables:** 
       1. Could be used in only one workflow.
       2. Need to set value and scope**.**
    2. **Arguments:**
       1. Can be set in one workflow and we can use it in any workflow.
       2. Has scope as IN, OUT, and In/Out.
19. **How to upload data on queue through Uipath?**
    1. With add queue item activity through that activity you can keep in for each row & provide the data in argument options & we will create queue name in Queue options.
20. **Difference between Add queue items, get queue item & get transactions?**
    1. **Add Queue item -** It is used for uploading data to queue.
    2. **Get Queue Item -** It is used for getting the data from queue for all transactions.
    3. **Get transactions -** It is used for getting the single transactions from queue.
21. **Difference between Execute Non Query and Execute Query?**
    1. **Execute Non Query –** Used for UPDATE, INSERT and DELETE,
    2. **Execute Query –** Returns the value in Data Table format.(Used for SELECT query).
22. **Difference between Task Mining and Process Mining?**
    1. **Task Mining:** Document and analyze **FRONT END** process tasks,
    2. **Process Mining:** Analyze and monitor **BACK END** process logs.
23. **Methods to FILTER DATA TABLE?**
    1. Filter Data Table activity.
    2. DataTable.Select().
    3. DataTable.AsEnumerable().
    4. Filter with LINQ.
24. **What is STATE MACHINE?**
    1. A machine needs to undergo various states to execute one task. It switches between various states when as soon as the action is triggered.
25. **What is GLOBAL EXCEPTION HANDLER?**
    1. It determines projects behavior when encountering an execution error.
       1. **Continue**: An exception is re thrown,
       2. **Ignore**: An exception is Ignored,
       3. **Retry**: The activity which threw the exception is retied,
       4. **Abort**: The execution stops after running the current **Global Exception Handler.**
26. What is **Retry Scope used for?**
    1. Reties the activities as long as the condition is not met or error is thrown. Returns the value in Boolean.
27. What is **Continue on Error property**?
    1. It only supports Boolean value and as stated it will continue or not after the error.
28. **Which options can be used to stop a running process?**
    1. **Stop,**
    2. **Kill.**
29. **Is using the ‘Publish’ button in Studio the only way to upload a package to Orchestrator?**
    1. No. Packages can also be published via the Packages page in Orchestrator.
30. **What happens if the status of a Transaction in progress is not updated within 24 hours?**
    1. Its status is changed to Abandoned.
31. **What are the statuses that can be set manually for the transactions that failed due to an application exception?**
    1. **InReview,**
    2. **Review,**
    3. **Verified.**
32. **Is it possible to reprocess a transaction in a Queue after its failure due to an application exception?**
    1. Yes, if the Auto-Retry property of the Queue is enabled.
    2. Yes, it can be retried manually on the Transactions page.