Document understanding  
AA fabric (Orchestrator)  
From Studio  
Disadvantages using reframe work  
Catch Retry scope  
Challenges

Dynamic selector will be used for fetching the values with different values of different Products

We can add any number of catches under try catches activity as per your project requirement.

Exceptions you have handled:

SelectorNot found exception

Invalid UI element exception

System. Nullreference exception

System.IO.IOexception

Workbook activities.

workbook activities do not require excel to be opened.

Excel need not to be installed while we are working with workbook activities.

Excel activities

Excel activities require excel to be opened during execution.

Excel should be installed while you are working with UI path excel activities.

Dictionary

Dictionary is a variable which holds key and value pairs.

Dictionary variable is useful in cases where I have to work with key value pairs for eg: I use dictionary for fetching values from configuration file as key and value pairs.

Configuration file

File contains all configuration information such as username, passwords, URL,path locations, log messages etc.

It configures the initial setting of the workflow

Benefit of using configuration is input file changes can be done in single go using configuration file.

Username.substring(0,3) first 3 characters of a string

Username.length

Username.substring(l-3,l) last 3 characters of a string.

If select item activity is not working for select drop down value you can use click\type into activity.

1. Difference between modern and classic activities  
2. Different types of triggers  
2A. Time Trigger, Queue Trigger, Event Trigger  
3. How to add millions of data to queue?  
4. How to close a dynamic pop up?  
4A. Using parallel activity.  
5. How to fetch 2K items at a time from queue?  
5A. Using "Get Queue Data" we can fetch 100 records at a time. But  
status of the items will not change. If they are in New state then  
they will be in same state.  
6. How to work with citrix or mainframe applications and what  
activities do you use to work with mainframe application?  
6A. Install uipath terminal activities, Use Terminal session activity  
to configure mainframe terminal (bluezone or IBM PCOM), use Get Text  
or get field (to get data between labels) to read the data, Send  
control key to pass enter, Function keys or any other key. You can use  
existing terminal for processing by passing connection string to "Use  
Existing Connection" in properties of Terminal Session.  
7. How do you restrict a developer in publishing project to  
orchestrator when there are any validation errors?  
7A. User is not added to the sec group which allows him/her to publlish.  
7B. Size of the project is more than 30MB.  
7C. Validation errors also will not allow to publish.  
8. How to fetch millions of data from excel?  
8A. We can use OLEDB. (Connection string: Provider = DB name, HDR=Y/N,  
Datasource=excel)  
8B. We can use MS Access and run queries.  
8C. We can use storage buckets (Available in orchestrator).  
9. How to get the data from 1K+ PDF documents?  
9A. Using Document Understanding  
10. What would you do if your process is failing to read from web page?  
11. Where will you store credentials of automation?  
11A. There are several ways  
Windows Credentials (Not secured and moreover it is available only to  
that specific machine)  
Orchestrator Assets (Highly secured bcuz it is AES 256 encrypted)  
Third party tool (Cyberark)  
15. Can you update credentials or Assets in orchestrator from studio?  
A. Yes, we can but you should have access. Create custom user role and  
give access to resources but not recommended. Set asset can also be  
used.  
16. How many ways to publish package to orchestrator?  
16.A. 2 ways, directly update to orchestrator packages or create a  
package locally and manually update to orchestrator.  
17. How many ways to stop a process workflow in orchestrator?  
A. 2 ways, Stop (gracefully stopping a workflow, stops the process  
after completing the current processing item), Kill (Immediate stop).  
18. What happens to the items in queue which are in New or Inprogress  
for more than 24 hours?  
A. They will be moved to Abandoned state.  
19. Where can we check whether the job was scheduled or manually started?  
A. In the Jobs panel, Source column (name of the trigger if triggered  
by scheduler or "Manual" if it is manually triggered)  
20. What are the storage bucket providers?  
A. We have 5, AmazonS3, Azure (WASB), Orchestrator file server, MINIO,  
File system  
21. What is machine template?  
A. When user login workstation name changes every time especially when  
it is on cloud. Machine template enables multiple users to connect  
their UIpath robot to orchestrator using same machine key. You can  
give any machine name to machine template and use the key to connect  
orchestrator.  
22. What is standard machine?  
A. Standard machine key is generated for single work station with the  
same name as it is given to workstation name. It allows you to connect  
single machine only to orchestrator and it can be used only for  
unattended robot.  
23. Different types of permissions?  
A. Tenant & Folders  
24. How to create and use reusable components using libraries?  
25. Uipath Object repository by harika.  
26. Created any custom codes in uipath? check the video by rakesh  
27. How to defer an item in UiPath?  
27A. Use Postpone Transaction Item. It will change the status from In  
Progress to New as well.  
28. How to ensure queue doesnt have duplicates while loading?  
28A. Check the box in "Enforce Unique References"  
29. How to change transaction item from inprogress to new  
29A. Use Postpone Transaction Item.  
30. Get queue items  
30A. You can get only 100 items from Queue using Get Queue Item  
activity. You can select the checkbox based on status like New, In  
Progress, Success, Failed, Retired, Deleted & Ababdoned. You can  
choose From and To date. You can choose priority. You can choose TOP  
(Number of items). You can skip number of items.  
31. How do you know from orchestrator which items in queue are postponed?  
31A. In the queue you have column Postpone. If you see a date for any  
transaction item then it means it is postponed.  
32. Difference between add queue item and add transaction item?  
32A. Status of items will be in New for Add Queue Item and In Progress  
when you add data to Queue using Add Transaction Item.  
  
  
33. Differences Between Modern Experience and Classic Experience?  
33A.  
Recorders  
Modern experience - The App/Web Recorder and Computer Vision recorders  
are available.  
Classic experience - The Basic, Desktop, Web, Image, Native Citrix,  
and Computer Vision recorders are available.  
  
Activities  
<https://docs.uipath.com/studio/standalone/2023.4/user-guide/modern-design-experience#differences-between-modern-experience-and-classic-experience>  
Modern Classic  
Go to URL Navigate  
Keyboard Shortcuts Send Hotkey  
App/Web and Computer Vision recorders are available. Basic, Desktop,  
Web, Image, Native Citrix, and Computer Vision recorders are  
available.  
Table Extraction wizard is available for data scraping. Data Scraping(structured data, output is in datatable)  
and Screen Scraping(unstructured Data, output is stored in String, extract data from image, pdf) wizards are available.  
  
  
34. How to work with SAP?  
34A. Enable the script in SAP so that Uipath can interact with SAP application.  
Click on Connections (As soon as you click an "Screen Scraper Wizard"  
will open. Copy the scraped element name and copy to seach text field.  
Occurence (input number) will allow you to choose the field if it  
exists multiple times)  
Click on SAP Server  
Send the Login credentials to SAP application using "SAP Login"  
activity in UiPath.  
35. What does get attributes do?  
35A. Retrieves the value of specified attribute of the indicated ui element.  
36. Diff between find element & element exists  
36A. Element Exists:Enables you to verify if a UI element exists even  
if it is not visible. Find Element:Waits for the specified UI element  
to appear on the screen (to be in the foreground) and returns it as a  
UiElement variable.  
37. Parallel activity? How to skip 9 steps and exrcute 10th step  
38. use of linq queries, how to get the length of a word?  
39. how to run my process on a given day and hwo to schedule if it is a holiday?  
39A. Using CRON jobs.  
40. How to stop a process after certain time? and how many ways to  
stop it from the code?  
41. how to create multi bot architecture?  
41A. create a performer, run it first on 1 bot and once queue is  
loaded then run rest of the bots.  
Another way to do it is, Add BOTID in asset, design your code to  
trigger queueloading process if condition (IF  
Environment.Username=BOTID) matches, add some delay so that rest of  
BOTs will wait until queue is loaded.  
42. how to get data to datatable from notepad with structured data  
42A. Use activity "Generate datatable from text".  
43. diff between full selector and partial selector  
43A. when you are working on single window you use partial. We use  
attach window which uses window title. When using multiple windows  
then we use full selectors and it will have top level window details  
as well.  
basic recorder - full selector  
desktop-partial selector  
44. have you used anchors?  
44A. yes,  
45. Diff types of clicks?  
45A. Default, simulate (works in background, runs fast but doesnt  
support hotkeys) and Window  
45A. Left, Middle & Right.  
46. How to know if the upload is successful if the window goes off as  
soon file is uploaded?  
46A. Window exists  
47. Parent and child  
48. When will you use strict selector and when do you use fuzzy?  
48A. If it is pattern based then we go for fuzzy  
49. how many ways to publish your code  
49A. from studio, using git, using activity "publish package", create  
a nuget package and you can click upload package from orchestrator  
50. how to get list elements from drop down into datatable?  
50A. Find children activity  
51. Where can you see the versions of apps you have deployed?  
51A. In the orchestrator under Tenant folder --> App version  
52. What is global exception handler?  
53. WHat is web hooks?  
53A. you will get notified in case anything happens in orchestrator  
like job completed, failed etc but you need apis or something to do it  
54. How to copy assets to different folders in orche?  
54A. You can click of 3 dots beside your asset and choose the folders  
you want to copy asset to in orche but we cannot copy to different  
tenants.  
55. How to download a package from orchestr?  
55A. Goto Packages in orche tenant folder --> Click on the 3 dots  
beside the package --? click on download package --> goto downloads,  
change the extension of the downloaded nuget package to .zip -->  
extract the data out of the folder and you will have all the code  
files  
56. How do i search the process in orche?  
56A. search using keywords in labels  
57. Activities you use to get emails?  
57A. getoutlookmail message and output stores in list<Mailmessage>  
58. Difference between bulk queue data and add queue?  
58A. Bulk queue data gives output and add queue doesnt give output.  
Result - Depending on the selection made in the CommitType property of  
bulk queue properties, returns all errors that occurred during the  
process, storing them in a DataTable variable. This field supports  
only DataTable variables.  
59. How to write values to excel without null?  
59A. Not currentrow("Product Key").ToString.Equals("")  
<https://www.youtube.com/watch?v=fRSiVmqq15o>  
60. How to do the same with LinQ quesry?  
60A. datatable.AsEnumerable().Where(Fuction(row() Not row("product  
key").ToString.Equals("").CopyToDatatable  
61. How to sort data in asc/dec using linq queries?  
61A.  
Asc - datatable.AsEnumerable().Orderby(Funtion(row) row("Product  
Key").ToString).Select(Fuction(row) row).ToArray().CopyToDataTable  
Dsc - datatable.AsEnumerable().OrderbyDescending(Funtion(row)  
row("Product Key").ToString).Select(Fuction(row)  
row).ToArray().CopyToDataTable  
62. How to process more than expected volume of data in within scheduled time?  
62A. You can use session timeout, lets say average processing time of  
each item is 1 min, then we usually consider the time as 10mins. So we  
can use session timeout to kill the item after 5mins considering there  
is some issue so that we can process more items.  
63. How do you send a file or a value by converting it to make it secure?  
63A. We can use "encrypt file" for file or "encrypt text" for text.  
Give "File Path", choose "Algorithm" from drop down (AES, DFS, RC2  
etc) and "Key" as Inputs to "Encrypt File". For "Encrypt Text" give  
"Algorithm", "Text" & "Key".  
64. How to decrypt a file or Text?  
64A. Use "Decrypt File" or "Decrypt Text" activities.  
65. There are 10 Queue items. While processing 6th item application  
exception occured. BOT should not process remaining queue items and  
should stop. How ill code?  
65A. In my initialization stage i would check mex consecutive  
exception and take necessary action when i see an application  
exception  
66. How to click on an UI element which is not visible on screen?  
66A. you can use Simulate Click.  
67. Assets are working fine in dev but not in prod. What could be the reason?  
68. How will you create an asset without using orchestrator?  
68A. One way is keep all our assets in csv file and pass that in  
uipath manage in CI/CD pipelines and when we run the pipelines assets  
will get created or we can store global values in config file.  
69. In what mode we can run DU? Attended or Unattended?  
70. Apart from CV activities what method will you use to work on VM automation?  
71. How to extract data from web based application without using data scrapping?  
72. How to use credentials without using asset in orchestrator that  
must be a secret?  
73. How will you create an asset without manual intervention?  
73A. By using set asset or by using http request  
74. While reading a pdf the page is in landscape mode. How you will  
deal with it?  
75. Diff between modern objects and classic objects?  
76. Diff ways you can trigger a process in orchestrator  
Command prompt  
From process  
77. Diff between classic activities and modern activities  
78. What are different libraries you worked?  
79. What is CV scope (Computer vision) and have you worked on it?  
80. How many ways to invoke a workflow?  
80A. 2 ways, use invoke workflow activity or drag and drop your  
workflow from the project folder into your workflow.

In a complex UI automation is is best practice to break into smaller pieces, automate and test them as smaller pieces separately then integrate them in a bigger work flow.

For this we will use invoke workflow activity and optional pass input aruguments  
  
  
  
  
REframework  
SDD  
PDD  
Huge input in Excel. Connection string,  
  
Unconsumed  
Consumed