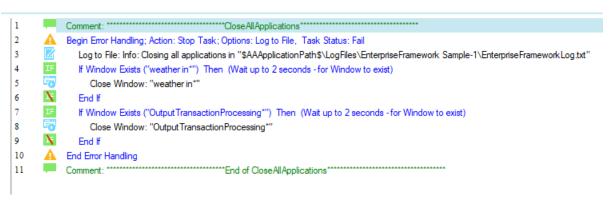
## AA Enterprise Framework Sample Illustration-1

## **Problem statement**

Create a bot to get the temperature from Google for a list of cities stored in a csv file and write it to another csv file. The bot should recover automatically (atmost 2 times) in case of exceptions and log all actions and exceptions.

## Steps:

- 1. Deploy framework in the respective folders in the Automation Anywhere Application path. Do retain the folder structure.
- 2. Populate/Add the necessary key-values in the Config.xlsx file.
  - a. Set the value for **MaxRetryCount** as 3
  - b. Set the value for *TransactionItemsPath* to the path of the csv file containing the list of cities.
    - i. Set in this case as C:\Users\U43360\Documents\Automation Anywhere Files\Automation Anywhere\Data\EnterpriseFramework Sample-1\ListOfTransactionItems.csv
- 3. Open the workflow file *EnterpriseFramework* for edit in Automation Anywhere Client.
- 4. Open the task *Initialize* and do the following:
  - a. Kill/Close all applications used in the automation use case.
    - i. For this, Open the task CloseAllApplications and do the following:



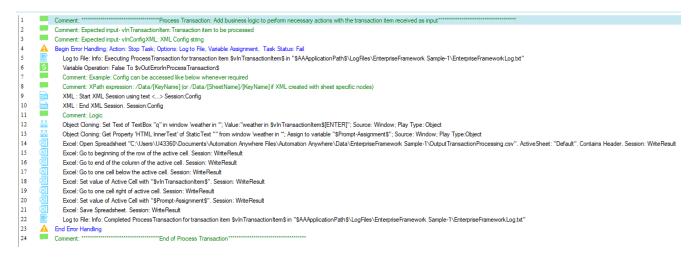
- b. Open all applications used in the automation use case.
  - i. For this, Open the task *OpenAllApplications* and do the following:



- 5. Open the task *GetTransaction* and do the following:
  - a. Here, the transaction item is the city for which temperature should be retrieved for. The transaction id is the row index of the city in the csv file. The result is assigned to *vOutTransactionItem* as shown below. The status of the transaction is set to *Completed* when no item is found at the row whose index corresponds to the transaction id. This is expected when all transaction items are processed.

```
Comment: ****
                              Comment: Expected input- vInTransactionId:Transaction id of the transaction item to be retrieved
            Comment: Expected input- vInConfigXML: XML Config string
            Comment: Returned output- vOut Transaction Item: Transaction item corresponding to the transaction id that is then passed to Process transaction for futher processing
            Comment: Returned output- vOutTransactionStatus: Status of the transaction. Will be 'In Progress' by default. Value will be changed to 'Completed' upon processing of all transactions
            Begin Error Handling; Action: Stop Task; Options: Log to File, Task Status: Fail
                Log to File: Info: Executing GetTransaction in "$AAApplicationPath$\LogFiles\EnterpriseFrameworkLog.txt"
               Comment: Example: Config can be accessed like below whenever required
               Comment: XPath expression: /Data/IKevNamel (or /Data/ISheetNamel/IKevNamel if XML created with sheet specific nodes)
               XML : Start XML Session using text <...> Session:Config
11
                XML : Get Single Node value from XPath location "/Data/TransactionItemsPath" and assign to variable "$vTransactionItemSourcePath$". Session:Config
12
                XML: End XML Session. Session:Config.
13
               Comment: Logic
                Variable Operation: "" To $vOutTransactionItem$
15
                Variable Operation: In Progress To $vOutTransactionStatus$
16
                If $vTransactionItemSourcePath$ Not Equal To (<>) "" Then
                   Read From CSV file: "$vTransactionItemSourcePath$" Delimiter: "Comma" Header: "Yes" Trim Leading Space: "Yes" Trim Trailing Space: "Yes" Session: 'GetTransaction'
                   Start Loop "Each row in a CSV/Text file of Session: GetTransaction"
       IF
S
19
                      If $Counter$ Equal To (=) $vInTransactionId$ Then
20
                        Variable Operation: $Filedata Column(1)$ To $vOutTransactionItem$
21
                        Exit Loop
       ×
                      End If
23
24
       Ż
                   End Loop
                End If
25
       IF
                If $vOutTransactionItem$ Not Equal To (<>) "" Then
26
                  Log to File: Info: GetTransaction finds the TransactionItem $Filedata Column(1)$ corresponding to the TransactionId $vInTransactionId$ in "$AAApplicationPath$\LogFiles\EnterpriseFramework Sample-1\EnterpriseFrameworkLog.txt
       ELSE
27
28
                   Log to File: Info: GetTransaction has processed all transaction items in "$AAApplicationPath$\LogFiles\EnterpriseFramework Sample-1\EnterpriseFrameworkLog.txt"
29
                   Variable Operation: Completed To $vOutTransactionStatus$
30
       X
31
               Log to File: Info: GetTransaction returns TransactionItem:$VOutTransactionItem$ and TransactionStatus: $vOutTransactionStatus$ in "$AAApplicationPath$\LogFiles\EnterpriseFramework Sample-1\EnterpriseFramework Log.txt"
             End Error Handling
32
33
                                                    "End of Get Transaction"
```

- 6. Open the task **ProcessTransaction** and do the following:
  - Add commands to retrieve temperature from Google for the city retrieved in step #5 (transaction item) and write it to the corresponding csv file as shown below:



- 7. The task *UpdateTransactionId* will automatically run to iterate to the next transaction.
- 8. The task SetRetryCount will automatically initiate recovery mechanism.



AA Enterprise Framework Sample Illustration - 1.zip

Solution: