***project.json***

"name": "UiPath\_REFrameWork",

  "description": "Downloading Liked Songs from Spotify"

***Main***

|  |  |  |
| --- | --- | --- |
| **Variable Name** | **Type** | **Default** |
| TitleList | List<String> | New List(Of String) |
| ArtistList | List<String> | New List(Of String) |
| SongsDownloadFullPath | String |  |
| DownloadFolderExists | Boolean |  |
| SpotifyBrowser | Browser |  |
| YouTube2Mp3Browser | Browser |  |
| LogDT | DataTable |  |

***Initialization***

Add after Invoke KillAllProcesses

* Invoke Spotify\_Open workflow

|  |  |  |  |
| --- | --- | --- | --- |
| in\_SpotifyURL | in | String | Config("SpotifyURL").ToString |
| out\_SpotifyBrowser | out | Browser | SpotifyBrowser |

* Invoke Spotify\_NavigateTo\_LikedSongs workflow

|  |  |  |  |
| --- | --- | --- | --- |
| in\_SpotifyBrowser | In | Browser | SpotifyBrowser |

* Invoke Spotify\_ScrapSongs workflow

|  |  |  |  |
| --- | --- | --- | --- |
| out\_TitleList | Out | List<String> | TitleList |
| out\_ArtistList | Out | List<String> | ArtistList |
| in\_SpotifyBrowser | In | Browser | SpotifyBrowser |

* Invoke Spotify\_Close workflow

|  |  |  |  |
| --- | --- | --- | --- |
| in\_SpotifyBrowser | In | Browser | SpotifyBrowser |

* Assign SongsDownloadFullPath = Path.Combine(Environment.CurrentDirectory, Config("SongsDownloadPath").ToString)
* Path Exists

Path Type = Folder

To = SongsDownloadFullPath

Value = Path.Combine(Environment.CurrentDirectory, Config("SongsDownloadPath").ToString)

* If Condition = Not DownloadFolderExists

Then Create Directory (Path = SongsDownloadFullPath)

* Invoke YouTube2Mp3\_Open workflow

|  |  |  |  |
| --- | --- | --- | --- |
| in\_YouTube2Mp3URL | In | String | Config("YouTube2Mp3URL").ToString |
| out\_YouTube2Mp3Browser | Out | Browser | YouTube2Mp3Browser |

* Build Data Table (Data Table = LogDT)

***CloseAllApplications***

* At the end add Kill Process (ProcessName = “chrome”)

***Get Transaction Data***

Arguments

|  |  |  |
| --- | --- | --- |
| in\_TransactionNumber | In | Int32 |
| in\_Config | In | Dictionary<String> |
| out\_TransactionItem | Out | String |
| out\_TransactionID | Out | String |
| io\_TransactionData | In/out | DataTable |
| in\_ArtistList | In | List<String> |
| in\_TitleList | In | List<String> |
| out\_Title | Out | String |
| out\_Artist | Out | String |
| In\_LogDT | In | DataTable |

* Add to the top If (in\_TransactionNumber <= in\_ArtistList.Count)

Then Assign out\_TransactionItem = in\_TransactionNumber.ToString

Else Assign out\_TransactionItem = Nothing

* Add in If (out\_TransactionItem isNot Nothing)

Then Assign out\_Title = in\_TitleList(in\_TransactionNumber-1).ToString.Split("-"c)(0).ToString.Trim

Assign out\_Artist = in\_ArtistList(in\_TransactionNumber-1).ToString

***KillAllProcesses***

* Add Kill Process (ProcessName = "chrome")

***Google\_Close***

Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| in\_GoogleBrowser | In | Browser |  |

* Attach Browser Google Search

Browser = in\_GoogleBrowser

BrowserType = “Chrome”

Do : Close Tab

Google\_ExtractSongURL