**TopBoxOfficeMovies**

High-level description*:*

Email a list of mail addresses, with an excel sheet that contains the top 10 box office movies and their available information from “Rotten Tomatoes” website.

Process type:

Unattended

When the process is scheduled:

On Monday at 8:00 AM (UTC).

How often it will run:

Weekly.

Data types used:

1 – Boolean.

2 – String.

3 – Int32

4 – Data Row.

5 – Data Table.

6 – Queue Item.

7 – IEnumerable of Queue Items.

Applications that the process interact with:

1 – Rotten Tomatoes Web App.

2 – Microsoft Edge.

3 – Microsoft Excel.

4 – Microsoft Outlook.

Assets used during the process:

1 - RottenTomatoesBoxOfficeURL:

https://www.rottentomatoes.com/browse/in-theaters/

2 - RT\_MailAdresses:

sheko4rpa@gmail.com;SherifRadwan.el.8650@azhar.edu.eg

3 - ExceptionsMailAddress:

sheko4rpa@gmail.com

Names of invoked workflows:

1 – KillAllProcesses.

2 – TakeScreenshot.

3 – RottenTomatoes\_GetTop10Movies.

4 – Orchestrator\_PopulateQueue.

5 – Orchestrator\_ProcessTransactions.

6 – RottenTomatoes\_GetMovieInfo.

7 – Excel\_SaveMoviesInfo.

8 – Outlook\_SendMoviesUpdate.

The used orchestrator queue name:

RT\_TopBoxOffice

Data manipulation activities and functions:

1 – String manipulation:

Splitting and trimming and replacing scrapped string to make more readable to the user.

2 – (Update Row Item) activity: updating the value of a cell in a data row.

3 – (Add Data Row) activity: adding data row to a data table.

Needed dependencies to run the process:

1 – Microsoft outlook application is installed, and the mail is signed in.

2 – Microsoft Excel is installed.

3 – Microsoft Edge is installed and UiPath extension is installed on it.

4 – Orchestrator connection, and the orchestrator (queue, assets) are set as provided in the process documentation.

Unknow errors are handling:

Taking a screenshot and saving it in a folder for the developer to check.