*Top Box Office Movies (US)*

*High-level description:* Gets top box office movies' information in US and mails it to the user account.

*Process type:* Unattended

*When the process is scheduled:* Every Tuesday at 12 AM (UTC Time).

*How often it will run:* Weekly.

The process is used by the user to send a mail to him that contains the ratings about top box office movies.

*Data types used:*

1 – Boolean.

2 – String.

3 – Array of Strings

4 – Int32.

5 – Data Table.

6 – Queue Item.

7 – IEnumerable of Queue Items.

8 – Exception

*Applications that the process interact with:*

1 – IMDb Web App (Opens in Microsoft edge browser).

2 – Rotten Tomatoes Web App (Opens in Microsoft edge browser).

3 – Microsoft Excel.

4 – Microsoft Outlook.

*Assets used during the process:*

1 – IMDB\_URL: https://www.imdb.com/chart/boxoffice

2 – RT\_URL: <https://www.rottentomatoes.com/>

3 - User\_Mail: testing.bot.rpa@outlook.com

*Names of invoked workflows:*

1 – Initilzation (IMDB\_Open, RT\_Open).

2 –AddTransactionData (IMDB\_Scrap, UploadQueueItems).

3 – GetTransactionData (GetTransactionItem,Countitems)

4 – ProcessTransaction. [Process, SetTransactionStatus]

5 – Process (IMDB\_SearchForMovie, IMDB\_GetRating,RT\_SearchForMovies,RT\_GetData)

6 – Excel\_AdjustColumn.

7 – Outlook\_SendMail.

8 –CloseAllApplication. (IMDB\_Close, RT\_Close)

*The used orchestrator queue name:* Movies

*Data manipulation activities and functions:*

1 – String manipulation:

Splitting and trimming scrapped string to clarify it for the user.

2 – Adding items to a data table using (Add to data table) activity.

*Needed dependencies to run the process:*

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

2 – Create an orchestrator queue named: Movies.

3 – Create three assets:

A - IMDB\_URL: https://www.imdb.com/chart/boxoffice

(IMDb Link, do not change it or the process will not run)

B - RT\_URL: <https://www.rottentomatoes.com/>

(Rotten Tomatoes Link, do not change it or the process will not run)

C- User\_Mail: [testing.bot.rpa@outlook.com](mailto:testing.bot.rpa@outlook.com)

(Mail to send results to, change to send to different user)

*Unknow errors are handling:*

Log the error and stop the process.