*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 all the data about top box office movies.

*Data types used:*

1 – Boolean.

2 – String.

3 – List of Strings

4 – Int32.

5 – Data Table.

6 – Queue Item.

7 – IEnumerable of Queue Items.

*Applications that the process interact with:*

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

2 – Microsoft Excel.

3 – Microsoft Outlook.

*Assets used during the process:*

1 - TopBoxOfficeMoviesUS\_ExceptionEmailAddress:

abdelrahman6898@gmail.com

2 - TopBoxOfficeMoviesUS\_IMDbWebsiteLink:

https://www.imdb.com/

3 - TopBoxOfficeMoviesUS\_UserEmailAddress:

abdelrahman6898@gmail.com

*Names of invoked workflows:*

1 – IMDb\_OpenApp.

2 – IMDb\_GetTopMovies.

3 – PopulateQueueItems.

4 – IMDb\_GetMovieData.

5 – Excel\_WriteDataToExcel.

6 – MailMoviesData.

*The used orchestrator queue name:* IMDbTopMovies

*Data manipulation activities and functions:*

1 – String manipulation:

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

2 – Adding items to a list using (Add to collection) activity.

3 – 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: IMDbTopMovies.

3 – Create three assets:

a - TopBoxOfficeMoviesUS\_ExceptionEmailAddress:

<Put here the email to send to if a BE occurs while processing>

b - TopBoxOfficeMoviesUS\_IMDbWebsiteLink:

<https://www.imdb.com/> (IMDb Link, do not change it or the process

will not run)

c - TopBoxOfficeMoviesUS\_UserEmailAddress:

<Put here the email to send to the output of the process>

*Unknow errors are handling:*

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