

Instructions on the usage of the application

The application SWAPIConsole was created to download all the SW star ships from an API available here: <https://swapi.co/> and based on the distance provided as an argument in MGLT, to calculate how many stops are required for a given star ship to travel the distance.

The application requires to access the given API, to be able to download the star ships.

The result is displayed in a list, the items of the list are in the following format

{star ship name}: {number of stops required}

To run the application, please follow the steps above:

1. Open a command prompt application. (cmd)
2. Navigate to build output folder, for example for example:
..\SWAPIConsole\bin\Debug\netcoreapp2.1
3. The program can be started two ways without any argument, in this case it will prompt to provide the distance

```
C:\Users\porti\source\repos\portikcs\SWAPI\SWAPIConsole\bin\Debug\netcoreapp2.1>dotnet SWAPIConsole.dll
Please provide distance in MGLT :
100000
Executor :0
Sentinel-class landing craft :1
Death Star :0
Millennium Falcon :0
Y-wing :7
X-wing :5
TIE Advanced x1 :7
Slave 1 :1
Imperial shuttle :1
EF76 Nebulon-B escort frigate :0
Press any key to exit ....
```

4. Or you can start it by providing the distance as argument

```
C:\Users\porti\source\repos\portikcs\SWAPI\SWAPIConsole\bin\Debug\netcoreapp2.1>dotnet SWAPIConsole.dll 100000
Executor :0
Sentinel-class landing craft :1
Death Star :0
Millennium Falcon :0
Y-wing :7
X-wing :5
TIE Advanced x1 :7
Slave 1 :1
Imperial shuttle :1
EF76 Nebulon-B escort frigate :0
Press any key to exit ....
```

5. The result is displayed on screen, getting the raw data from <https://swapi.co/api/starships/>.

If there are too many arguments provided the application will prompt the issue:

```
C:\Users\porti\source\repos\portikcs\SWAPI\SWAPIConsole\bin\Debug\netcoreapp2.1>dotnet SWAPIConsole.dll 100000 234
The argument count is not valid, please use it with a single argument, that is containing the distance in 'MGLT'!
Press any key to exit ....
```

Also, can cause the application to prompt argument issue if the provided argument is not a valid number

```
C:\Users\porti\source\repos\portikcs\SWAPI\SWAPIConsole\bin\Debug\netcoreapp2.1>dotnet SWAPIConsole.dll dfg
Could not convert the given argument dfg to integer!
Press any key to exit ....
```

In case if the user wants to change the provider URL with one that is providing a similar result, but is hosted in a different location, then the following steps are required:

- Open appsettings.json file
- Override the "URL": <https://swapi.co/api/starships/> tag value to the new URL.

```
{
  "url": "https://swapi.co/api/starships/"
}
```