**Splitit Home Assignment**

**C#** scraper Api to retrieve information about the top actors from IMDb Within RESTful API

Use HTMLAgilityPack (<https://html-agility-pack.net/>) or any other library for parsing HTML.   
**In-Memory Database with C#** - Use an in-memory database.

Preload the movie data obtained from the web scraping section into in-memory database.   
([https://www.imdb.com/list/ls054840033/](https://www.imdb.com/chart/top/))

**Design a RESTful API**

managing an **actor** database using C# -

actor model – see example here <https://jobs-assignment.sandbox.splitit.com/swagger>

Include endpoints for:

* Retrieving a list of all actors
  + Allow filter by – name, rank (as range).
  + **DON'T FORGET TO USE PAGINATION**
  + **The expected result should be actor (name+id) only.**
* Getting details for a specific actor
  + **The Expected result should be all actor model.**
* Adding a new actor
* Updating actor details – make sure no duplicate rank.
* Deleting an actor.

Provide sample request and response payloads **for each endpoint**.

Implement the API using a C# .NET CORE.

Ensure proper error handling and validation for user inputs.

Ensure the utilization of suitable design patterns and project architecture separations.

**Ensure you support multiple providers (IMDB, Rotten Tomatoes etc.)**

Example (Protected) API - <https://jobs-assignment.sandbox.splitit.com/swagger>

**Authentication** –

<https://id.sandbox.splitit.com/connect/token>  
--data-urlencode 'grant\_type=client\_credentials' \

--data-urlencode 'scope=job.assignment.api' \

--data-urlencode 'client\_secret=kH1kyMSQ3ZB21qkUS1TtsHU24XnzPVQdN9kC0BinCCIRpaZCJW' \

--data-urlencode 'client\_id=SplititJobAssignment'

**Once completed, use upload API and set your email and GitHub URL**