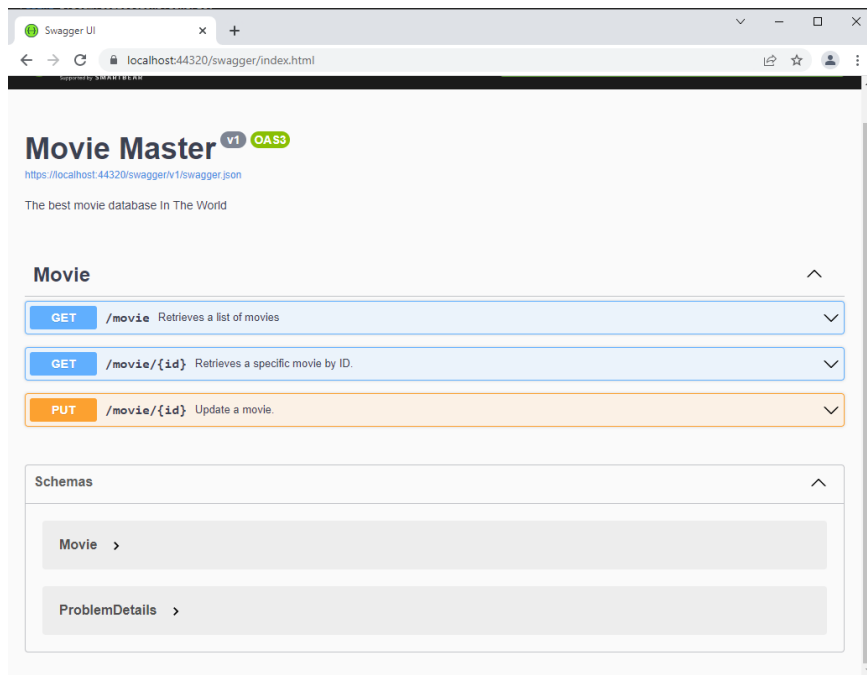


Movie Master – C# Hands-on Assessment

Application Overview

- 3 tier application (Application Layer, Business Layer, Data Layer).
- Uses dependency injection.
- The data access layer has been implemented using a Repository pattern
- It uses a json file, Movies.json, as the datastore.
- The application should fully compile and when started should present a Swagger page, as shown below



Assessment Overview

- There are 5 tasks to complete, consisting of a bug and some enhancements
- Ideally, we would like to see tests for any changes are made to API
- Movies.json, is the datastore and renaming its fields is not allowed
- This assessment should take no more than 2 hrs. Once you've completed the assessment, Zip it and return LSEG via your contact at LSEG or your agent.
- We will then review it and arrange a follow up session, where you will be asked questions about the changes you made, reasons why you made the changes in the ways that you did and some technical questions in general

Task 1

There is a bug where “NULL” values are being shown for the movieTitle. If you look at the datastore (movies.json) it shows that all the movies have a title. Can you fix the bug to ensure titles are returned with values.

Task 2

Can you add an additional endpoint to return films by year

Task 3

Can you add the necessary code to allow users to add a movie to the data store, including an endpoint and any other code changes ? The fields to be added are

```
{
  "id": "string", - autogenerate ANY unique value for this
  "movieTitle": "string",
  "year": "string",
  "actors": "string",
  "imdbRating": "string",
  "lastUpdated": "2022-03-11T12:16:44.279Z"    date time when added
}
```

Task 4

Users would like to see the imdbRating, as part of the movie information, but would like it to appear as “Rating” when the data is returned. Can apply this change.

Task 5

Can you add logging to the api. so that it logs the api call and associated repository call