**Technical Task**

Technologies Requirements:

1. Spring 4
2. Spring Boot
3. Spring Batch
4. Spring JPA
5. Spring Rest

The requirement is to create spring boot application which will interact with some API.

Please take a look to open API : <https://www.omdbapi.com/>

This API allows to fetch some media info (movies, serials etc.) via REST

For example:

**Get Movies**

<http://www.omdbapi.com/?s=arrow&y=2016&plot=short&r=json&type=movie>

Response:

*{"Title":"The Legacy of Arrow Development","Year":"2016","Rated":"N/A","Released":"26 Feb 2016","Runtime":"N/A","Genre":"Documentary","Director":"Nicholas Laschkewitsch","Writer":"Kris Rowberry","Actors":"Kris Rowberry","Plot":"The rise and fall of one of America's major roller coaster manufacturers.","Language":"English","Country":"USA","Awards":"N/A","Poster":"https://images-na.ssl-images-amazon.com/images/M/MV5BODIzNmRlODctNjYyOS00NTM2LWFkYTgtYzRmNmY3NTk2YTk5XkEyXkFqcGdeQXVyNjU0MzIyNjg@.\_V1\_SX300.jpg","Metascore":"N/A","imdbRating":"8.2","imdbVotes":"10","imdbID":"tt5466692","Type":"movie","Response":"True"}*

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**Get Serials:**

<http://www.omdbapi.com/?s=arrow&y=2015&plot=short&r=json&type=series>

Response:

{"Search":[{"Title":"Green Arrow: The Animated Adventures","Year":"2015–","imdbID":"tt4922726","Type":"series","Poster":"https://images-na.ssl-images-amazon.com/images/M/MV5BMmY2ZmU0NmMtODQxYS00YjdlLTk2NjQtNWE2OTk0ZjJhZTVlXkEyXkFqcGdeQXVyMjU0OTAwMDc@.\_V1\_SX300.jpg"},{"Title":"Nerf Arrow","Year":"2015–","imdbID":"tt4278312","Type":"series","Poster":"N/A"}],"totalResults":"2","Response":"True"}

**Get Episodes:**

<http://www.omdbapi.com/?i=tt0944947&Season=1>

{"Title":"Game of Thrones","Season":"1","totalSeasons":"8","Episodes":[{"Title":"Winter Is Coming","Released":"2011-04-17","Episode":"1","imdbRating":"9.0","imdbID":"tt1480055"},{"Title":"The Kingsroad","Released":"2011-04-24","Episode":"2","imdbRating":"8.8","imdbID":"tt1668746"},{"Title":"Lord Snow","Released":"2011-05-01","Episode":"3","imdbRating":"8.7","imdbID":"tt1829962"},{"Title":"Cripples, Bastards, and Broken Things","Released":"2011-05-08","Episode":"4","imdbRating":"8.7","imdbID":"tt1829963"},{"Title":"The Wolf and the Lion","Released":"2011-05-15","Episode":"5","imdbRating":"9.1","imdbID":"tt1829964"},{"Title":"A Golden Crown","Released":"2011-05-22","Episode":"6","imdbRating":"9.2","imdbID":"tt1837862"},{"Title":"You Win or You Die","Released":"2011-05-29","Episode":"7","imdbRating":"9.2","imdbID":"tt1837863"},{"Title":"The Pointy End","Released":"2011-06-05","Episode":"8","imdbRating":"9.0","imdbID":"tt1837864"},{"Title":"Baelor","Released":"2011-06-12","Episode":"9","imdbRating":"9.6","imdbID":"tt1851398"},{"Title":"Fire and Blood","Released":"2011-06-19","Episode":"10","imdbRating":"9.4","imdbID":"tt1851397"}],"Response":"True"}

**Application Requirements**

Create Spring Boot Web application which will be able to download information from IMDB and save into DB

1. Application should have controller and UI form where user can specify what he want to import
   1. Media Content Type (Movie/Serial)
   2. Year
   3. Button Import

      2. On import click application should run Spring Batch Job which will download all needed        info. Meaning find all items in IMDB parse and save In DB

**Summary**:

You should build application with MysqlDB + JPA, Spring Batch job which will do all dowload stuff and persist it in DB.

DB should hold info you can get from API:

1. Name
2. Picture
3. Rates
4. ImDb ID
5. etc...

**Important Note: If user selected serials then we should store serial with all seasons and episodes.**

**I not specified all low level technical details for this task as I want to see how you will build application, your OOP knowledge etc**

**Good Luck….!!!!**