Movie Facts workshop

nifr@kea.dk

September 2021

1 Introduction

Today we are going to create an application that provides information about movies to the user This is done by modelling movie data to java objects, sort & order a collection of them.

You will be working in breakout groups & handing in your repository @ Fronter.

2 Notes

- We will be working with the dataset: movies.csv located in Fronter

3 Requirements

We are going to create 5 end-points, that each will have a specific task in mind. You can use the same Controller class. Annotate the controllers with @RestController.

3.1 /

This end-point welcomes the user and prints out a short description of your application

3.2 /getFirst

Shown in class This end-points calls a service that finds the first movie from the list and displays the title.

3.3 /getRandom

This end-point calls a service, that finds a single random movie from the list and displays the title.

3.4 /getTenSortByPopularity

This end-point calls a service that fetches 10 random movies, maps each result to a Movie model class, adds to a Movie Arraylist and prints the result to the browser - sorted in ascending order by popularity (Hint: Remember the comparable interface).

3.5 /howManyWonAnAward

This end-point prints how many of the movies of the data-set that won an award.git

3.6 (Advanced) /filter?char='x'amount='n'

This end points calls a service that prints all movies, but only if they contain x character n amount of times

3.7 (Advanced) /longest?g1='x'g2='y'

This end-point calls a service that compares two genres and finds what genre, on average, has the longest movies.

3.8 Advanced

Import data into an MySQL database. Display all comedies that won an award only using SQL queries.