django_assignment_003.md

IMDB cont'd

In this practice assignment let us continue with the IMDB Database tables defined in the previous assignment & add new functions to get the required information described in each task.

Coding Guidelines

- Create a django project django_assignment_003 in /home/ec2user/environment/django/django submissions folder
- Create an app called imdb in the above created project
- You can reuse the models written in the previous assignment i.e copy the models from previous assignment.
- Write all the functions given in different tasks in utils.py file
- Both models.py and utils.py should be in the imdb app given to you.
- Use the exact file, class, function, and field names given at each task.
- You can use the same models from Assignment 002 ☐ for this assignment as well.

Task 1

Given a list of movie titles, return the complete information about the movie including its cast & crew, its box office collection & release dates

Note: If there are more than one movies with the same name, all of them should be returned

```
def get_movies_by_given_movie_names(movie_names):
    """
    :return:
    [{
        "movie_id": 1,
        "name": "Titanic",
```

Task 2

Get the list of movies released in the months of May, June & July & between 2005 to 2010.

```
def get_movies_released_in_summer_in_given_years():
    """
    :return: movie dict as in task 1
    """
```

Task 3

Get the list of movie names which have at least one actor with their name ending with "smith". The search should be case insensitive & should return unique movie names.

```
def get_movie_names_with_actor_name_ending_with_smith():
    """
:return:
["The Pursuit of Happyness", "Aladdin"]
```

Task 4

Get the list of movie names which have at least 1000 five star ratings & at most 3000 five star ratings

```
def get_movie_names_with_ratings_in_given_range():
    """
:return:
["Avengers, End Game", "The Iron Man, Part 3"]
"""
```

Task 5

Get the list of movie names which are released in the 21st century(release year >2000) and have at least 500 five star ratings or 1000 four star ratings or 2000 three star ratings or 4000 two star ratings or 8000 one star ratings

```
def get_movie_names_with_ratings_above_given_minimum():
    """
    :return:["Avengers, End Game", "The Iron Man, Part 3"]
    """
```

Task 6

Get all the director names who have directed at least one movie released in the year 2000

```
def get_movie_directors_in_given_year():
    """
    :return:
    ["Trivikram Srinivas"]
```

Task 7

Get all the actor names who have debuted in the 21st century

```
def get_actor_names_debuted_in_21st_century():
    """
:return:
["VD"]
```

Task 8

Get all the director names who have directed the movies containing the word "big" as well as those released in the month of may

```
def get_director_names_containing_big_as_well_as_movie_in_may():
    """
    :return:
["James Cameron"]
"""
```

Task 9

Get all the director names who have directed the movies containing the word "big" and those released in the month of may

```
def get_director_names_containing_big_and_movie_in_may():
    """
    :return:
    ["James Cameron"]
```

Task 10

Reset the rating for all the movies that are released in the year 2000 to 0 (For all the rating from five star to one star)

```
def reset_ratings_for_movies_in_this_year():
    """
"""
```