Milestone project

Movie Project Brief

Your task

Your task, should you choose to accept it...

Is to create a movie storage application, that will allow users to manage their movie collection and find any movie they want.

Here's the three main features:

- First, the application must allow to add new movies to the collection;

- The application must allow users to view all the movies in their collection;

- The application must also allow users to find any particular movie by any of its attributes (more info in the next page…)

What are movies?

Movies will be dictionaries, but you can define the structure of the dictionary to be anything you like. For example, you may choose to have movies as dictionaries with only three keys:

```
{
    'name': 'The Matrix',
    'director': 'Wachowskis',
    'year': '1994'
}
```

Or you may choose to have more keys (in the example below, also including which shelf and location the movie is in):

```
{
    'name': 'The Matrix',
    'director': 'Wachowskis',
    'year': '1994',
    'location': '3F-14',
    'shelf': '3F'
}
```

Where will movies be stored?

It's up to you where movies will be stored, as long as you can then print them, retrieve them, and find them. A good potential structure could be a **list**. If you are familiar with files and storing things in files, go for that!

What's that about finding movies?

Once you have the movie structure defined, users should be able to e.g. "find all movies released in 1994". Or, "find all movies by director Rolf Smith".

That means the user must be able to tell you what property they are looking for (is it `year`, `director`, or something else); and also they must be able to tell you what they're looking for (`1994`, or `Rolf Smith` in the examples above).

With both the property and the value, you'll be able to find all movies which match both. It's tricky! Spend some time, and I'm sure you'll get it.

Stuck?

If you are ever stuck, ask away in the Course Q&A and we'll be glad to help you. Or, check out the next few videos for how we've implemented all this stuff. That's a great way to review your code and also learn a thing or two as we code live right in front of you.

Good luck! Let us know how you got on with the project!

- Jose and the Teclado team.