# JS Advanced - Exam: 17.03.2019

Exam problem for the [“JavaScript Advanced” course @ SoftUni](https://softuni.bg/courses/javascript-advanced). Submit your solutions in the SoftUni Judge system at <https://judge.softuni.bg/Contests/1586/>.

## Problem 2. Film Studio

Use the provided **FilmStudio class** to solve this problem.

### Your Task

Using **Mocha** and **Chai** write **JS Unit Tests** to test the entire functionality of the FilmStudio **class**. Make sure instances of it have all the required functionality and validation. You may use the following code as a template:

|  |
| --- |
| describe(**"*Tests* …"**, **function**() {  describe(**"*TODO* …"**, **function**() {  ***it***(**"*TODO …*"**, **function**() {  *//* ***TODO:*** …  });  });  *//* ***TODO:*** …  }); |

### Functionality

filmStudio.js defines a **class** that contains information about a **film studio**. An **instance** of the class should support the following operations:

* **Instantiation** with **one** **parameter** - a **string** representing the **film studio name,** and an **additional property** called "**films**" - an **empty array by default**.
* Function makeMovie() - receives **two** **parameters**: a **string**(filmName) and an **array**(roles). This function **creates a** **film** in **object** **format** (**film** **name** and all **roles**).If thename **already exists**,the filmName received is **a sequel to the existing film** and its name must be **followed** by its number in the film series.
* Function casting() - receives **two** parameters: a **string** (actor) and another **string** (role). If **our film studio** contains a **film** which has that **role**,the **given** **actor** gets it. Regardless of the outcome, there will always be a string as output.
* Function lookForProducer() - receives **one** parameter - filmName**.** If the given filmName exists, the function **prints** its info (**film name** and **cast**…). Otherwise, an **error** is **thrown**.

### Examples

|  |
| --- |
| Sample Code Usage |
| **let filmStudio = new FilmStudio('SU-Studio');**  **console.log(filmStudio.makeMovie('The Avengers', ['Iron-Man', 'Thor', 'Hulk', 'Arrow guy']));**  **console.log(filmStudio.makeMovie('The Avengers', ['Iron-Man', 'Hulk', 'Arrow guy', 'Ant-man']));**  **console.log(filmStudio.makeMovie('The New Avengers', ['Iron-Man', 'Thor', 'Hulk', 'Arrow guy', 'Black Panther']));** |
| Corresponding Output |
| **{ filmName: 'The Avengers',**  **filmRoles:**  **[ { role: 'Iron-Man', actor: false },**  **{ role: 'Thor', actor: false },**  **{ role: 'Hulk', actor: false },**  **{ role: 'Arrow guy', actor: false } ] }**  **{ filmName: 'The Avengers 2',**  **filmRoles:**  **[ { role: 'Iron-Man', actor: false },**  **{ role: 'Hulk', actor: false },**  **{ role: 'Arrow guy', actor: false },**  **{ role: 'Ant-man', actor: false } ] }**  **{ filmName: 'The New Avengers',**  **filmRoles:**  **[ { role: 'Iron-Man', actor: false },**  **{ role: 'Thor', actor: false },**  **{ role: 'Hulk', actor: false },**  **{ role: 'Arrow guy', actor: false },**  **{ role: 'Black Panther', actor: false } ] }** |

### Submission

Submit your tests inside a describe() statement, as shown above.