# JS Advanced Retake - 08 August 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/Compete/Index/1772#1>.

## Problem 2. Book Store

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

### Your Task

Using **Mocha** and **Chai** write **JS Unit Tests** to test the entire functionality of the BookStore **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

bookStore.js defines a **class** that contains information about a **book store**. An **instance** of the class should support the following operations:

* **Instantiation** with **one** **parameter** - a **string** representing the **bookstore name,** and an **additional properties** called "**books**" and "**workers**" - an **empty arrays by default**.
* Function stockBooks() - receives **one** parameter - **newBooks** (an **array** of **strings**). This function adds **each of the elements** from the input into the **book's** **property**.
* Function hire() - receives **two** parameters: a **string** (name) and another **string** (position). If the worker is **already hired** the function **throws** an **error**, otherwise the worker is **hired**, and a proper **message** is **returned**.
* Function fire() - receives **one** parameter - workerName**.** If there is an employee with that name, he is fired, and a proper message is returned . Otherwise, an **error** is **thrown**.
* Function sellBook() - receives two parameters: a **string** (title) and another **string** (workerName). If the book is in **stock** and the given worker name is **present** in the workers property, the book is **sold,** and the current worker **books** **sold** **counter** is **increased** by 1 . Otherwise, an **errors** is **thrown**.
* Function printWorkers() - This function **prints all workers.**

Check the given class for more clarity!

### Examples

|  |
| --- |
| Sample Code Usage |
| let store = new BookStore('Store');  store.stockBooks(['Inferno-Dan Braun', 'Harry Potter-J.Rowling', 'Uncle Toms Cabin-Hariet Stow', 'The Jungle-Upton Sinclear']);  console.log(store.hire('George', 'seller'));  console.log(store.hire('Ina', 'seller'));  console.log(store.hire('Tom', 'juniorSeller'));  store.sellBook('Inferno', 'Ina');  store.stockBooks(['Harry Potter-J.Rowling']);  console.log(store.fire('Tom'));  console.log(store.printWorkers()); |
| Corresponding Output |
| George started work at Store as seller  Ina started work at Store as seller  Tom started work at Store as juniorSeller  Tom is fired  Name:George Position:seller BooksSold:0 Name:Ina Position:seller BooksSold:1 |

### Submission

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

***GOOD LUCK!😊***