JS Advanced Retake Exam

Problem 3. Unit Testing

Your Task

Using **Mocha** and **Chai** write **JS Unit Tests** to test a variable named **cinema**, which represents an object. You may use the following code as a template:

```
describe("Tests …", function() {
    describe("TODO …", function() {
        it("TODO …", function() {
            // TODO: …
        });
     });
     // TODO: …
});
```

The object that should have the following functionality:

- **`showMovies(movieArr)`** - A function that accepts an array:
  - The array includes the available movies in the cinema (['King Kong', 'The Tomorrow War', 'Joker',etc.])
  - If the length of the input array is zero, the function returns the string: "**`There are currently no movies to show.`**"
  - Otherwise, the function returns: an array of available movies, separated by a comma and space
  - There is no need for validation for the input, you will always be given an array

- **`ticketPrice(projectionType)`**- A function that accept string:
  - The function checks whether the submitted projectionType is present in the schedule with the types of projections
  - If present in the schedule, return the price according to the type
  - Otherwise, the function throws an error in the following format "**`Invalid projection type.`**"
  - There is no need for validation for the input

- **`swapSeatsInHall(firstPlace, secondPlace)`**- A function that accepts two numbers
  - The function swaps the seat number in the cinema hall, when two numbers are submitted.
  - The exchange is not successful and the function returns "**`Unsuccessful change of seats in the hall.`**" :
    - If one of the two numbers do not exist
    - The numbers are not integers
    - If one of the numbers is greater than the capacity of the hall – **20**
    - Seats are less or equal of **0**

- Otherwise return: "**Successful change of seats in the hall.**"
- There is a need for validation for the input

JS Code

To ease you in the process, you are provided with an implementation which meets all of the specification requirements for the **cinema** object:

cinema.js

```
const cinema = {
   showMovies: function(movieArr) {

        if (movieArr.length == 0) {
            return 'There are currently no movies to show.';
        } else {
            let result = movieArr.join(', ');
            return result;
        }

    },
    ticketPrice: function(projectionType) {

        const schedule = {
            "Premiere": 12.00,
            "Normal": 7.50,
            "Discount": 5.50
        }
        if (schedule.hasOwnProperty(projectionType)) {
            let price = schedule[projectionType];
            return price;
        } else {
            throw new Error('Invalid projection type.')
        }

    },
    swapSeatsInHall: function(firstPlace, secondPlace) {

        if (!Number.isInteger(firstPlace) || firstPlace <= 0 || firstPlace > 20 ||
        !Number.isInteger(secondPlace) || secondPlace <= 0 || secondPlace > 20 ||
firstPlace === secondPlace) {
            return "Unsuccessful change of seats in the hall.";
        } else {
            return "Successful change of seats in the hall.";
        }

    }
 };
```

Submission

Submit your tests inside a **`cinema()`** statement, as shown above.