Challenge 18 - JavaScript

- Create an array of objects, where each object describes a book and has properties for the title (a string), author (a string), maxPages(int) and onPage(int) . maxPages is the number of pages the book has. onPage is a number that represents the page that we are on.

- Iterate through the array of books. For each book, make a list with the book title and book author like so: "The Hobbit by J.R.R. Tolkien".

- Now use an if/else statement to change the output depending on whether you read it yet or not (check if maxPages is equal to onPage). If you read it, list it in format 'You already read "The Hobbit" by J.R.R. Tolkien in green text', and if not, 'You still need to read "The Lord of the Rings" by J.R.R. Tolkien. in red text.'

- Make a table and populate it with info about the books. Next to every book there should be a progress bar. Calculate the percentage of how far away you are in the book and show it through the progress bar.

- Under the table, make a form to add a new object (or add the values to the object through multiple prompts). After clicking submit, the object should be automatically added to the table together with the progress bar.

Scoring:

1 point – Creating the array of objects, print them in a list.

3 points – Make the table and the progress bar for all existing objects.

5 points – Add new books.

Hints:

- https://www.w3schools.com/howto/howto_js_progressbar.asp - progress bar with javascript

Deadline:

One week after its presentation, 23:59h end of the day.