Here is the Angular2 assessment we would like you to implement. Please note that there are priorities assigned to each task of the assessment. If you don’t get as far as completing all tasks, it is not problem, please make sure you shortly describe the problem and the possible solution in the document.

The goal of this assessment is to create a small application to be used for maintaining information about a set of books in a library.

In the zip file you can find 2 JSON files providing you both the data model and some sample data you can use in your implementation:

authors.json – list of authors you can use in the form(s)

books.json – list of books in the library

For a book, there are 3 mandatory fields: “title”, “author”, and “ISBN”

For a chapter, the only mandatory field is “title”

You can determine the data type of each of the fields from the sample data available in the JSON files.

Based on the provided data model, you are expected to implement the following:

Prio 1: A form to create and edit book entries

Prio 2: A list of books with actions to create, add and delete a book

Prio 3: A “view book details” action from the list of books

Notes: Use the content of authors.json for creating a selection box in the book editing form, and retrieving authors details. Do not implement anything for server side. Manipulate the array of books in memory, on client side. It is not requested to save the json containing the resulting list of books.

In your implementation you must use:

Angular 2/4

Google Material Design (for angular2)

HTML5

SCSS

The rest of technologies and frameworks are at your free choice. Just keep in mind that we need to receive a fully functional solution. Make sure that you also deliver a short description of specific implementation decisions you have taken, and (if needed) specific instructions for building and testing your implementation. We will very much appreciate if in that small document you will mention possible challenges you could not resolve in the given time, and what would be the way you were thinking to eventually resolve them.

Success!