# QA Automation Exam 12.07.2020

## Integration Tests

### 1.1 Library

*The first task is to create coded integration tests for a web service and will be rewarded with* ***25 points****.*

##### Base URL:

<https://libraryjuly.azurewebsites.net>  
  
You have received a postman collection with all the possible **end-points for the current web service**. Your task is to create three valid **independent** tests for:

* **POST** book for Author
* **GET** book for Author
* **DELETE** book for Author

## Selenium Tests

*This section is for UI automation with Selenium WebDriver.*

There are some main conditions in **every task** which need to **implement**, if you want to get the **maximum** **points**. The conditions and the respective percentages of the points for each of the conditions are listed below:

* Page Object Model – **40%**
* Readability in Tests – **10%**
* Assertions – **25%**
* Test result – **25%**

### 2.1 AutoComplete

*This task will give you* ***30*** *points if you fulfil all the main conditions above.*

Create a test with Selenium WebDriver which does the following:

1. **Navigates** to <https://demoqa.com/>
2. **Clicks** on "Widgets"
3. **Clicks** on "Auto Complete"
4. **Types** "Re"in the "Type single color" input field
5. **Asserts** that two options are shown "Red"**,** "Green"

You can use **only** **XPath** or **CSS** selectors to resolve the task.

### 2.2 Date Picker

*This task will give you* ***45*** *points if you fulfil all the conditions above.*

You should implement a **single parametrized** test, which validates that "Date Picker" always visualizes the right **month** and **day** in the calendar. **Add** **12 Test Case parameters**, **one for each month** in the **current** **2020**:

1. **Navigate** to http://demoqa.com/
2. **Click** on "**Widgets"**
3. **Click** on "**Date Picker"**
4. **Remove** date from "**Select Date"**
5. **Add** **Random Day** for respective month (from parameters)
6. **Assert** calendar **title** is "{nameOfMonth} 2020"
7. **Assert** correct **day** from the month is **selected** in **calendar**