Test cases

## 1.1.1. List existing books

To be able to show the available books in the system all of the books that are in books.xml should be presented in a list. The title and author of each books should be shown in the list.

#### Pre-conditions

The content in **books.xml** must be replaced with the content in **test/data/111books.xml**.   
The server must be running.

#### Steps

1. Go to <http://localhost:9090/>.
2. Click on the **Books** button in the menu.

**Expected output**

|  |  |  |
| --- | --- | --- |
|  | Pass | Fail |
| 4 books are listed | **x** |  |
| Each book has a **Title** and **Author** | **x** |  |
| All book information corresponds to the items in **books.xml** | **x** |  |
| There is a **New book** button | **x** |  |

**Comments**

The information for all 4 books matches the one in the XML and there is a button for adding new books.

## 1.2.1. List books with empty XML

This is a test to make sure that an error doesn’t occur and that the right information is shown in case the system has no books.

**Pre-conditions**

The content in **books.xml** must be replaced with the content in **test/data/121books.xml**.  
The server must be running.

**Steps**

1. Go to <http://localhost:9090/>.
2. Click on **Books** in the menu.

**Expected output**

|  |  |  |
| --- | --- | --- |
|  | Pass | Fail |
| No books are listed | **x** |  |
| There is a **New book** button | **x** |  |
| There is a text saying **No books available.** |  | **x** |

**Comments**

As expected there were no books listed. But instead of having the information message,the list headline with **Title** and **Author** is visible. It seems as if the client is trying to render the empty book list instead of presenting the message.

### **2.1.1. View book by clicking on the title**

The user should be able to view the book by clicking on the title. This will present all the information about the book as well as the possibility to alter the book.

#### Pre-conditions

The test [**1.1.1.** **List** **existing books**](#T) must have been performed.

#### Steps

1. Click on the title of the first element in the list **A Brief History of Time**.

**Expected output**

|  |  |  |
| --- | --- | --- |
|  | Pass | Fail |
| **Title** is **A Brief History of Time** | **x** |  |
| **Author** is **Stephen Hawking** | **x** |  |
| **Genre** is **Science** | **x** |  |
| **Price** is **199** | **x** |  |
| **Publish date** is **1988-09-01** | **x** |  |
| **Description** is **Hawking attempts to explain** […] **the beginning of time.** | **x** |  |
| There is a **Back** button | **x** |  |
| There is a **Save** button | **x** |  |
| There is a **Delete** button | **x** |  |

**Comments**

All information matches and everything is working as expected.

### **3.1.1. Delete book**

The user has to be able to remove books from the system. This test will make sure that it’s possible.

#### Pre-conditions

The test [**2.1.1.** **View book by clicking on the title**](#_2.1.1._View_book) must have been performed.

#### Steps

1. Click on the **Delete** button

**Expected output**

|  |  |  |
| --- | --- | --- |
|  | Pass | Fail |
| Got redirected to **http://localhost:9090/#/books** | **x** |  |
| There are 3 books listed | **x** |  |
| **A Brief History of Time** is not in the list | **x** |  |
| There is a **New book** button | **x** |  |

**Comments**

Everything went as expected. The Brief History of Time is not in the list and the remaining books are listed after the page redirected.

### **3.1.3. Delete last book**

In case the user removes the last book in the system we have to make sure nothing unexpected happens.

#### Pre-conditions

The content in **books.xml** must be replaced with the content in **test/data/313books.xml**.  
The server must be running.

#### Steps

1. Click on the author of the first element in the list **Astrid Lindgren**.
2. Click on the **Delete** button.

**Expected output**

|  |  |  |
| --- | --- | --- |
|  | Pass | Fail |
| Got redirected to **http://localhost:9090/#/books** | **x** |  |
| No books are listed | **x** |  |
| There is a text saying **No books available.** |  | **x** |
| There is a **New book** button | **x** |  |

**Comments**

I got redirected and no books were available but instead of having a text saying so the list headline saying “Title” and “Author”.

### **4.1.1. Add book**

#### Pre-conditions

The test [**1.1.1.** **List** **existing books**](#T) must have been performed.

#### Steps

1. Click on the button **New book**.
2. Write **The Great Alone** in the field **Title**.
3. Write **Kristin Hannah** in the field **Author**.
4. Write **Fiction** in the field **Genre**.
5. Write **249** in the field **Price**.
6. Write **2018-02-06** in the field **Publish date**.
7. Write **It is a fictional novel.** in the field **Description**.
8. Click the **Save** button.

**Expected output**

|  |  |  |
| --- | --- | --- |
|  | Pass | Fail |
| Got redirected to **http://localhost:9090/#/books** | **x** |  |
| The **Title**: **The Great Alone** is added to the list. | **x** |  |
| The **Author**: **Kristin Hannah** is added to the list. | **x** |  |

**Comments**

All information matches and everything is working as expected.

### **4.1.2. All book information is added**

#### Pre-conditions

The test **4.1.1 Add book** must have been performed.

#### Steps

1. Click on the book with the **Author**: **Kristin Hannah**.

**Expected output**

|  |  |  |
| --- | --- | --- |
|  | Pass | Fail |
| **Title** is **The Great Alone** | **x** |  |
| **Author** is **Kristin Hannah** | **x** |  |
| **Genre** is **Fiction** | **x** |  |
| **Price** is **249** | **x** |  |
| **Publish date** is **2018-02-06** | **x** |  |
| **Description** is **It is a fictional novel.** | **x** |  |
| There is a **Back** button | **x** |  |
| There is a **Save** button | **x** |  |
| There is a **Delete** button | **x** |  |

**Comments**

All information matches and everything is working as expected.