Software Requirements Specification

Version 2.0

April 16, 2016

WEB Library

**Table of Contents**

Project Team

1. Software Requirements

2. Introduction

1.1. Purpose

1.2. Scope of Project

1.3. Vocabulary

1.4. Overview of Document

3. Overall Description

3.1. System environment

3.2. Functional requirement specification

3.2.1. Use Case 1 (Accessing the system)

3.2.2. Use Case 2 (Log in Page)

3.2.3. Use Case 4 (Search book)

3.2.4. Use Case 5 (Add Author\Book)

3.2.5. Use Case 6 (Remove Author\Book)

3.2.6. Use Case 7 ()

3.2.7. Use Case 8 ()

3.2.8. Use Case 9 ()

4. Requirements Specification

4.1. External Interface Requirements

4.2. Functional Requirements

4.2.1. Search Book

4.2.2. Add Author\Book

4.2.3. Remove Author\Book

4.3. Detailed Non-Functional Requirements

4.3.1. Logical Structure of the Data

4.3.2. Security

<<Any comments inside double brackets such as these are *not* part of this SRS but are comments upon this SRS example to help the reader understand the point being made.

Refer to the SRS Template for details on the purpose and rules for each section of this document.

This work is based upon the submissions of the Spring 2016. The students who submitted these team projects were: Plamen Markov, Radmila Karakanova, Ivo Igov, Veselina Tavlieva, Timi Valentinov, Elena Doncheva, Blaga …. >>

# Project Team

The members of the team are:

Plamen Markov,

Radmila Karakanova,

Ivo Igov,

Veselina Tavlieva,

Timi Valentinov,

Elena Doncheva,

Blagovesta Pencheva

## Software Requirements

## Introduction

### Purpose

The purpose of this document is to present a detailed description of Web Library application (hereinafter called Web Library, Library or simply Project). It will explain some of the key features at a very high level.

### Scope of Project

The document will cover the basic functionality on high level regarding the Web Library. The user-management system, the uploading of a book and operation and its respective details (hereinafter called Books). The Web Library does not have an administrative part.

### Vocabulary

The document will cover the basic functionality on high level regarding the Web Library. The user-management system, the uploading of a book and operation and its respective details (hereinafter called Books). The Web Library does not have an administrative part.

1.3.1 Book Upload Panel

The Book Upload Panel requires from the Registered User all info necessary for a book to be uploaded in the Library. This info will be stored in the Book Info Panel. It consists of 7 boxes and a button for image upload (order is important):

* Title – the name, under which the book will be stored in the Library
* Author – the author of the book
* Pages – the number of pages in the official printed copy of the book
* ISBN – the book’s issue number
* Publish Date – the date the respective copy has been published
* Select Format – the format of the books, A1-A5
* A field for a short resume of the book
* Select File button – the selected file will appear as book Cover in the Book Info Panel

1.3.1 Book Info Panel

The Book Info is a block, regarding the info about a book. It consists of a table in which’s header is listed the info about the book, filled in the Book Upload Panel. Here the order is different, also it is viewed from left to right.

* ID – the number, under which the book has been uploaded in the system
* Cover – the book’s cover as selected in the Book Upload Panel
* Title
* Author
* Pages
* ISBN
* Date of Publishing
* Format
* Resume

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | COVER | TITLE | AUTHOR | PAGES | ISBN | DATE OF PUBL. | FORMAT | RESUME |
|  |  |  |  |  |  |  |  |  |

## Overall Description

### System environment

The Web Library has active users who access it from the internet. The Unregistered user cannot access the basic functionality of the project at all. Only the Registered user can access the Web library, upload books and view the List of Books. The Registered User can upload books and view the List of Books, but cannot delete books. Only the Web Library Superuser can access the functionalities of the Library and delete books.

### Functional requirement specification

### *Use Case 1 (Accessing the system)*

The system is accessed through the internet from its initial URL. It loads a page with a login dialog.

### *Use Case 2 (Log In dialog)*

The login dialog consists of a Username box, a Password box and a Log In button. If the user enters valid credentials, he is redirected to the Add Book / See List page. If the credentials are invalid, a respective error message is shown

### *Use Case 4 (Add Book)*

In order to add a book, one should be a Registered User or a Superuser and click the Add Book button on the Homepage. User is redirected to a page with a Fill Up Fields menu. After all necessary data is filled or uploaded and the Add Book to Library button is clicked, the book is added to the Web Library.

Clicking the Back button redirects the user to homepage.

### *Use Case 5 (Search Book)*

A book can be searched if the user clicks the See Books button on homepage. After clicking it the user is redirected to the full list of books. There should be at most 3 books on each page of the list, but they can be less by 3 only on the last list page (if there are 11 books, the pages 1-3 should have 3 books each and page 4 should have 2).

### *Use Case 6 (Remove Author\Book)*

Only the Superuser can remove a book. This can be done by clicking the

### *Use Case 7 (Logout)*

The user can log out by clicking the Log Out text on Homepage, above the Please Choose an Option text.after clicking it the user is redirected to Log In page.

ТАБЛИЦАТА Е ОСТАВЕНА КАТО ПРИМЕР. АКО СЕ ПРЕЦЕНИ, МОЖЕ ДА СЕ ИЗПОЛЗВА ЗА ИЗБРОЕНИТЕ ПО-ГОРЕ USE CASES ☺

### *Remove Author\Book*

|  |  |
| --- | --- |
| **Use Case Name** | Remove Article |
| **XRef** | Section 2.2.5. Remove Author\Book |
| **Trigger** | The Editor selects to remove an article from the active article database. |
| **Precondition** | The Editor has accessed the Article Manager main screen. |
| **Basic Path** | 1. The system provides an alphabetized list of all active articles. 2. The editor selects an article. 3. The system displays the information about the article and requires that the Editor confirm the deletion. 4. The Editor confirms the deletion. |
| **Alternative Paths** | None. |
| **Postcondition** | The article is removed from the database. |
| **Exception Paths** | The Editor may abandon the operation at any time. |
| **Other** | Find out from the Editor to see if the article and its information information should be archived somewhere. |