

Software Requirements Specification

WEB Library

April 17, 2016

Version 4.0

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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 ….

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# Documented Releases

| Revision Number | Revision Description | Revision Date | Author |
| --- | --- | --- | --- |
| V 1.0 | Base template | 16.04.2016 |  |
| V 2.0 | Initial Draft Version | 16.04.2016 |  |
| V 3.0 | General updates, Add new paragraph 2.2, Add schemes and figures | 17.04.2016 |  |
| V 3.0 | Add new paragraph 2.2.1.1, 2.2.1.2 | 17.04.2016 |  |

# Related Documents

ТУК ДА СЛОЖИМ ИМЕТО И ВЕРСИЯТА НА ДОКУМЕНТИТА С ТЕСТ КЕЙСОВЕТЕ И АКО ИМА ОЩЕ НЯКАКЪВ

| Document name | Type | Provided By | Last updated/Provide date |
| --- | --- | --- | --- |
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|  |  |  |  |

# Project Team

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# 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 not have an administrative part. It will have only an admin user who can delete books uploaded from different users.

### 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.

#### 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

#### 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. They have different access depend on the user role.

Registered user

Add book

Delete book

See book

Search book

Admin user

The system has the following roles:

* Registered user
* Admin

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 and search in the list of books. The Registered User can upload books and view the List of Books, but cannot delete books.

Registered User

See Book

Search Book

Add Book

Only the Web Library Superuser(Admin) can access the functionalities of the Library and delete books.

Admin

See Book

Search Book

Add Book

Delete Book

### Necessary user screens

The Web library will have the following screens:

* Log in
* Select option
* See book
* Search book
* Add book
* Delete book

Logical schema of the screens will be:

LOGIN

SELECT OPTION

SEE

ADD

DELETE

SEARCH

In the next rows are described the necessary fields, buttons, links for each screen.

#### Log in/Register form

When the user start the site the first screen is Log in screen. Here the user has two options:

* Login - to log in the site, if he/she is registered user.
* Register - To registered for using the site.

##### Log in

**Fields**: User, Password

**Buttons**: Log in

**Links**: Log in, Register. If the active screen is Login user can choose Register and vice versa.

**Schema of the screen**:

Password

Username

Login

Register

LOG IN

##### You've entered invalid data, please try again!

\* The red message appears when the user was typed incorrect username or password and choose button LOG IN.

##### Register

**Fields:** The Register Dialog consists of the following fields:

* First name
* Second name
* Family name
* EMail
* Username
* Password
* Re-type password

**Buttons:** Log in

**Links:** Log in, Register. If the active screen is Login user can choose Register and vice versa.

Re-type password

Password

Username

Email

Family name

Login

Register

Register now

Your password must be at least 6 characters long and contain at least one number and one character

First name

Second name

\* The red message appears when typed password don’t match the credentials.

#### Select option

#### See book

#### Search book

#### Add book

#### Delete book

### 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)

When the user reach the site the first screen is Log in screen. Here the user has two options:

* Login - to log in the site, if he/she is registered user.
* Register - To registered for using the site.

In first case 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.

The Register Dialog consists of the following fields (order is important):

* First name
* Second name
* Family name
* EMail
* Username
* Password - password must be at least 6 characters long and contain at least one number and one character.
* Re-type password

After the user fills in the boxes with valid info and clicks Register Now, the registration process is complete and user is redirected to homepage.

#### Use Case 3 (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 4 (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).

The books in the searched list are ordered by by time of upload.

#### Use Case 5 (Delete Author\Book)

#### A book can be deleted only by the Admin. The Admin has to go to homepage and click the Delete button. The admin is redirected to the See Books list but with a Delete option. After deleting the wanted book, the book should not be present in the list.

#### Use Case 6 (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 | The system provides an alphabetized list of all active articles.  The editor selects an article.  The system displays the information about the article and requires that the Editor confirm the deletion.  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. |