Software Requirements Specification

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WEB Library

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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 …. >>

# Project Team

The members of the team are:

Plamen Markov,

Radmila Karakanova,

Ivo Igov,

Veselina Tavlieva,

Timi Valentinov,

Elena Doncheva,

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## Software Requirements

## Introduction

### Purpose

### Scope of Project

### Vocabulary

### Overview of Document

## Overall Description

### System environment

### Functional requirement specification

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

### *Use Case 2 (Log in Page)*

**Diagram:**

**Brief Description:**

**Initial Step-By-Step Description:**

### *Use Case 4 (Search book)*

### *Use Case 5 (Add Author\Book)*

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

### *Use Case 7 ()*

### *Use Case 8 ()*

### *Use Case 9 ()*

## Requirements Specification

### External Interface Requirements

### Functional Requirements

### *Search Book*

|  |  |
| --- | --- |
| **Use Case Name** | Search Book |
| **XRef** | Section 2.2.3, Search Book |
| **Trigger** | The Reader assesses the site. |
| **Precondition** | The Web is displayed with grids for searching |
| **Basic Path** | 1. The Reader chooses how to search the Web site. The choices are by Author, by Category, and by Keyword. 2. If the search is by Author, the system creates and presents an alphabetical list of all authors in the database. In the case of an article with multiple authors, each is contained in the list. 3. The Reader selects an author. 4. The system creates and presents a list of all articles by that author in the database. 5. The Reader selects an article. 6. The system displays the Abstract for the article. 7. The Reader selects to download the article or to return to the article list or to the previous list. |
| **Alternative Paths** | In step 2, if the Reader selects to search by category, the system creates and presents a list of all categories in the database.   1. The Reader selects a category. 2. The system creates and presents a list of all articles in that category in the database. Return to step 5.   In step 2, if the Reader selects to search by keyword, the system presents a dialog box to enter the keyword or phrase.   1. The Reader enters a keyword or phrase. 2. The system searches the Abstracts for all articles with that keyword or phrase and creates and presents a list of all such articles in the database. Return to step 5. |
| **Postcondition** | The selected article is downloaded to the client machine. |
| **Exception Paths** | The Reader may abandon the search at any time. |
| **Other** | The categories list is generated from the information provided when article are published and not predefined in the Online Journal database. |

### *Add Author\Book*

|  |  |
| --- | --- |
| **Use Case Name** | Add Author |
| **XRef** | Section 2.2.4 Add Author\Book  SDD, Section 7.3 |
| **Trigger** | The Editor selects to add a new author to the database. |
| **Precondition** | The Editor has accessed the Article Manager main screen. |
| **Basic Path** | 1. The system presents a blank grid to enter the author information. 2. The Editor enters the information and submits the form. 3. The system checks that the name and email address fields are not blank and updates the database. |
| **Alternative Paths** | If in step 2, either field is blank, the Editor is instructed to add an entry. No validation for correctness is made. |
| **Postcondition** | The Author has been added to the database. |
| **Exception Paths** | The Editor may abandon the operation at any time. |
| **Other** | The author information includes the name mailing address and email address. |

### *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. |

### Detailed Non-Functional Requirements

### *Logical Structure of the Data*

The logical structure of the data to be stored in the internal Article Manager database is given below.

The data descriptions of each of these data entities is as follows:

### *Security*