|  |
| --- |
|  |
| Capstone Project Document |

**BOOKAHOLIC SOCIAL NETWORK**

Report #1 - User Requirement Specification

|  |  |  |
| --- | --- | --- |
| **Bookaholic Social Network** | | |
| **Group Members** | Thái Thị Cẩm Vân | SE03409 |
| Phạm Thị Huyền | SE03416 |
| Vũ Hải Đăng | SE03380 |
| Nguyễn Thị Hải Yến | SE03171 |
| Chu Minh Hải | SE03143 |
| **Supervisor** | Mr.Nguyễn Văn Sang | |
| **Project code** | BSN | |

**- Hanoi, 09/2016 –**

# SIGNATURE PAGE

AUTHOR: Thái Thị Cẩm Vân --/09/2016

Team member

REVIEWERS: --/--/2016

APPROVAL: Nguyễn Văn Sang --/--/--16

Supervisor

Record of change

\*A - Added M - Modified D – Deleted

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Effective Date | Changed Item | A,M,D | Change Description | Reason for Change | Rev. Number |
| --/--/2016 | Create User Requirement Specification | A | First version | Create User Requirement Specification | 1.0 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Table Contents

[SIGNATURE PAGE 0](#_Toc469186497)

[1 USER REQUIREMENTS SPECIFICATION 3](#_Toc469186498)

[1.1 Introduction 3](#_Toc469186499)

[1.1.1 Purpose 3](#_Toc469186500)

[1.1.2 Definition and Acronyms 3](#_Toc469186501)

[1.2 Overall Description 3](#_Toc469186502)

[1.2.1 Product Features 0](#_Toc469186503)

[1.2.2 User characteristic 1](#_Toc469186504)

[1.3 Functional Requirements 2](#_Toc469186505)

[1.3.1 Register Function 2](#_Toc469186506)

[1.3.2 Discover Book 2](#_Toc469186507)

[1.3.3 Create Post 2](#_Toc469186508)

[1.3.4 Search Function 2](#_Toc469186509)

[1.3.5 Create Group 2](#_Toc469186510)

[1.3.6 Send Request Add Book 2](#_Toc469186511)

[1.3.7 Rating Book 2](#_Toc469186512)

[1.3.8 Interaction 2](#_Toc469186513)

[1.3.9 Create Report 3](#_Toc469186514)

[1.3.10 Management User’s Account 3](#_Toc469186515)

[1.3.11 Management Groups 3](#_Toc469186516)

[1.3.12 Management Books 3](#_Toc469186517)

[1.3.13 Management Slide 3](#_Toc469186518)

[1.3.14 Management Publisher 3](#_Toc469186519)

[1.4 Non-functional Requirement 3](#_Toc469186520)

# USER REQUIREMENTS SPECIFICATION

## Introduction

### Purpose

This document will provide the describing of general requirement and non-functional requirements of our BSN system. It also describes the requirement scope of each phase in the project.

### Definition and Acronyms

|  |  |
| --- | --- |
| Terms | Description |
| BSN | Bookaholic Social Network |
|  |  |

Table 1‑1: Definition and Acronyms

## Overall Description

### 

### Product Features

BSN is a website, user only connect to internet to use website. System provides these main functions:

#### Client features

* **Register:** User can register an account and login to use all reader’s features of BSN
* **Login/Logout:** User login/logout an account and login to use or exit BSN
* **Profile :**
  + Reset Password **:** User can reset password when forgot password
  + Update Profile **:** User can change or update information
* **Search:** User can search book/user/group and system will display result relate to keywords
* **Group :**
  + Create New Group **:** User can create new group with basicinformation,image,book’tag or author ‘tag
  + Update Group information **:** User can change and update information ofgroup
  + Post In Group **:** Users can post in group that they are joined to follow and discuss with other users
  + Report **:** User can report group which violate regulation to administration
  + Join Group : User can send request to join group
* **Book :**
  + Rate Book **:** User can rate book
  + Comment **:**User can comment on book
  + Request add book **:** User can send request add book to administration
* **Post :**
  + Create New Post : User can create post with book tag
  + Like/Unlike Post :User can like or unlike post
  + Comment Post :User can comment on post
  + Edit/Delete Post : User can edit post ‘content or delete post
* **Interaction:**
  + Follow Other User :User can follow other user
  + Receive Notification: User can receive notification about post

#### Admin Features

* **Manage users :** 
  + Ban/Unban Users :Admin can ban or unban user ‘account
  + Accept/Decline request about creating an account :Admin can accept or decline request create author account
  + Decline request about report an account :Admin can decline report author
* **Manage Groups :**
  + Ban/Unban groups :Admin can active or de-active group activity
  + Decline request about reporting group : Admin can decline group ‘report
* **Manage Books :**
  + Add new Book/Category/Author : Admin can add new book or author also category
  + Edit Book’s information : Admin can change or update book’s information
  + Accept add-book request : Admin can accept request add book from client
  + Decline add-book request : Admin can decline request add book from client
* **Manage Slides :**
  + Add new slides : Admin can add new slide
  + Delete slides : Admin can delete slide
  + Active/De-active Slides : Admin can set slide’s status
* **Manage Publishers :**
  + Add new publishers : Admin can add new publisher
  + Edit publisher’s information : Admin can change or update publisher’s information
* **Statistic :**
  + View User/Author/Group/Book Statistic :Admin can view statistic about User,Author,Group,Book

### User characteristic

BSN website aim towards to anyone loves books and looking for a website to share their thought and make friends with other readers. Below are main actors that our system supports:

* **Guest:** Users who have not created an account, they can use functions such as: register for a normal account or register for an author account.
* **Readers & Authors:** Users who have account on system, they can use almost functions of website. For example: searching, posting, rating, connect to friends, etc.
* **Administrators:** They have an administrator control panel to manage all configurations of system

## Functional Requirements

### Register Function

**Access right: Guest**

This function is used to by guest. Guest can register account and use it to login or logout to use BSN’s features

### Discover Book

**Access right: Reader and Author**

This function is used to view an overview of book. The system will display over view of book include image, book’s content, rating, comment, books relate

### Create Post

**Access right: Reader and Author**

This function is used to create new post. The system will display a create book with book tag and them user enter input to create a post

### Search Function

**Access right: Reader and Author**

This function is used to search user/book/group/. The system will display a search box for user to search

### Create Group

**Access right: Reader and Author**

This function is used create group about author or book. The system will display a create group for user. In this screen, users can create group, tag author or book and select group type

### Send Request Add Book

**Access right: Reader and Author**

This function is used to send request add book to admintrastion. The system will display a add book request screen. In this screen, users can enter input and send request.

### Rating Book

**Access right: Reader and Author**

This function is used to rate about book. The system will display start as a book’s rate and user can click to rate

### Interaction

**Access right: Reader and Author**

This function is used to follow other account or group. The system will display icon for user to follow other account or group

### Create Report

**Access right: Reader and Author**

This function is used to create report other account or group. The system will display icon for user to click and report other account or group

### Management User’s Account

**Access right: Administrator**

This function is used to management user’s account. The system will display a Management Account Screen. In this screen, admin can view information about account, status of account and handing request create author account

### Management Groups

**Access right: Administrator**

This function is used to management group. The system will display management group screen. In this screen, admin can view information about group’s information and group such as the number of member, admin group, and number of created group…

### Management Books

**Access right: Administration**

This function is used to management book. The system will display management book screen. In this screen, admin can add a new book/category/author and handling request add book

### Management Slide

**Access right: Administration**

This function is used to management slide. The system will display management slide screen. In this screen, admin can add/active/de-active slide

### Management Publisher

**Access right: Administration**

This function is used to management publisher. The system will display management publisher screen. In this screen, admin can add/edit/delete publisher

## Non-functional Requirement

The system has to satisfy these principles:

* **Learnable**: The user interface must be easy to learn, even at the first time looking at the screen, user may immediately understand the function of each button or icon.
* **Efficiency**: The user interface must minimize the number of steps that the system takes to complete its task.
* **Memorable**: System contains some complex screens. Therefore, interface should be easier to use each time the user interacts with it.
* **Visibility**: Important information (example: text in nodes) should be clearly visible.
* **Consistency**: Like items should always be displayed and act the same way through the entire application.
* **Easy to maintain and upgrade**
* **Ensure data security capabilities, high performance**
* **Scalability system**