Soft Uni blog

Software Requirements Specification

Bartlett Pear Team

Version 1.0

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 20/5/2017 | 1.0 | Document creation | I.Vasilev |
| 10/6/2017 | 2.0 | Adding more use cases and non-functional requirements | IVasilev |

Contents

[1.0. Introduction 4](#_Toc484863564)

[1.1. Purpose 4](#_Toc484863565)

[1.2. Scope 4](#_Toc484863566)

[2.0. Overall description 4](#_Toc484863567)

[2.1. System environment 4](#_Toc484863568)

[2.2. Functional requirement specification 4](#_Toc484863569)

[2.2.1. Use Case 1 (Accessing the system) 4](#_Toc484863570)

[2.2.2. Use Case 2 (Using the Navigation bar) 4](#_Toc484863571)

[2.2.3. Use Case 3 (Home page) 4](#_Toc484863572)

[2.2.4. Use Case 4 (Reading an article) 5](#_Toc484863573)

[2.2.5. Use Case 6 (Creating an article) 5](#_Toc484863574)

[2.2.6. Use Case 6 (Editing an article) 5](#_Toc484863575)

[2.2.7. Use Case 7 (Deleting an article) 5](#_Toc484863576)

[2.2.8. Use Case 8 (Managing user’s account) 5](#_Toc484863577)

[2.2.9. Use Case 9 (Changing the password) 5](#_Toc484863578)

[2.2.10. Use Case 10 (Logging off) 5](#_Toc484863579)

1.0. Introduction

1.1. Purpose  
The purpose of this document is to present a detailed description of SoftUni blog web application  
(hereinafter called Project). It will explain some of the key features at very high  
level.

1.2. Scope  
The document will cover the basic functionality on high level regarding the SoftUni blog. The  
user registration, log in, creating an article, opening it and its editing and deleting and its respective details.

# 2.0. Overall description

2.1. System environment  
The Soft Uni blog has two active actors and one cooperating system. All of them are accessing their parts from the internet. The Unregistered user can access the basic functionality of the project. They can view articles and also can register. The Registered user can access some of the basic CRUD operations on the articles. They can create an article, edit it, or delete it.

## 2.2. Functional requirement specification

2.2.1. Use Case 1 (Accessing the system)  
The system is accessed through the internet from its initial URL. It loads header,  
navigation bar and a home page

2.2.2. Use Case 2 (Using the Navigation bar)  
The navigation bar has navigational hyperlinks to Home page, Register page and Login page.

2.2.2.1 Navigation bar – Unregistered user  
When the visitor is unregistered, Register hyperlink navigates Register page. Log in hyperlink navigates to Login page.

2.2.2.2 Navigation bar – Registered user  
When the visitor is registered, Create hyperlink navigates to Create article page, Hello <user> hyperlilnk navigates to Manage account page (Change password). Log off hyperlink navigates to Home page (unregistered user).

2.2.3. Use Case 3 (Home page)  
The Home page shows a list of the articles with title, a snippet and its author in a random order.  
Clicking on an article opens its content in a new screen.

2.2.4. Use Case 4 (Reading an article)  
There is a form on Create article page, with a field Title where the user types the title of the article and a text area Content where they type the content

2.2.4.1 Reading an article – Unregistered user  
The unregistered visitor can click on an article’s title to read the article.

2.2.4.2 Reading an article – Registered user  
The registered visitor can click on an article’s title to read the article.

2.2.5. Use Case 6 (Creating an article)  
There is a form on Create article page, with a field Title where the user types the title of the article and a text area Content where they type the content of the article. There are 2 options related to the article – by pressing Create button the article is saved and the user is navigated to Home page and the new article is displayed in the list of articles. By pressing Cancel, the user is also navigated to Home page (registered user) and the new article is not saved.

2.2.6. Use Case 6 (Editing an article)  
While on the Article page, the registered user can click on the Edit button to edit the article. They are navigated to Edit article Page. The user then can edit the article’s Title and Content and then select the Edit button. As a result the changes are saved and the user is navigated to the Home page.

2.2.7. Use Case 7 (Deleting an article)  
To delete an article, the registered user must have administrator’s rights. While on the article, they can click on the Delete button to delete the article. They are navigated to Delete article Page where they can delete the article by selecting the Deleting button. As a result the changes are saved and the user is navigated to the Home page. The deleted article is not displayed.

2.2.8. Use Case 8 (Managing user’s account)  
On the Manage page, the user can change their account’s password. Change your password hyperlink leads to Change Password page.

2.2.9. Use Case 9 (Changing the password)  
While on Change Password page the user enters their current password, the new password and on the third field confirms the new password.

2.2.10. Use Case 10 (Logging off)  
The registered user can log off by selecting the Log off hyperlink in the navigation bar and this will lead the user to the Home page. The user is logged off.

2.3. Non-functional requirement specification

2.3.1. Performance

* The system should allow for maximum 20 000 simultaneous users..
* All web pages generated by the system will be able to be downloaded for no longer than 2 seconds.
* Any response from the queries should not take more than 2 seconds for its results to be displayed.
* Any messages generated by the system, should be displayed within 2 seconds after the performed activity.
* The system should work 24 hours, 7 days a week.

2.3.2. Security

In order for the important actions on the articles to be executed the registered (ordinary and administrator) user must provide an email and password at log in.

There are 3 types of users: ordinary registered, unregistered and an administrator. The administrator has the right to delete users and articles but at the same time he does not access the user’s personal data like their passwords.

All users can see and read the articles while each of them has different rights and therefore different screen to see.

2.3.3. Documentation

Proper user documentation should be created with detailed description of the functionalities and examples where needed.