**Software Requirements Specification**

**Product – BLOG PLATFORM**

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# Introduction

## Purpose

This document provides a functional overview of a web based Blog platform and has to support the development and test planning processes of this project. Its goal is to present the scope, the basic content and the main functionalities that are supposed to be developed.

## Scope

The scope of this project is the creation of a blog platform with its main sections and sub sections, content, functionalities and design.

## Out of scope

On this phase of development we will not aim the integration of our product with other external systems as affiliation systems, commercials, payment gateways, etc. The categorization of the blog posts in separate topics, the restriction requirements and user agreements, detailed user profile attributes are also not in this scope.

## Overview

The rest of this document contains the overall description of the blog platform and the specific requirements for the system.

# Overall Description

## Product Perspective

The blog platform will provide the possibility to all internet users to share their thoughts, knowledge, feelings and concerns. It will be absolutely free platform with no restrictions upon age, gender, race, country or religion. It should be user friendly and easy to use.  
The economical purpose of this product is to gain popularity, big number of commercials and wide network of affiliate collaboration.

Users has to register and login in order to use the platform. Every user will have its own blog profile. The user will be able to post blogs, read other user’s blogs and comment them.

## Product functions

### Offers personal blogging profile:

Every registered user is able to create personal blogging profile with user name, password and personal details.

### Offers personal blogging space:

Every registered user is able to create a blog topic and content and share them to the world.

### Offers the possibility to comment publications:

Every user can add a comment to any publication.

## Constraints

**The following are the constraints:**

* The project must be completed within the budget
* The project must be completed within a specified period of time.
* The system should be up 24/7.
* The system should enforce user authentication security and guarantee reliability.

# Specific Requirements

## Blog platform architecture and content:

### Authentication screen:

* Background – picture, slide etc. - MODAL FOR ALL PAGES
* Login section – pop-up:
  + Username
  + Password
  + LOGIN button
* Registration section – pop-up
  + Username
  + Password
  + Confirm password
  + Email
  + Full name
  + Profile picture
* Support contacts and development team details – MODAL FOR ALL PAGES

### Main navigation screen

#### PROFILE section

##### Edit profile pop-up

* + Old password
  + New password
  + Confirm new password
  + New email
  + New profile picture
  + New full name
  + SAVE CHANGES BUTTON

##### Log out – navigates back to the authentication page

##### User’s picture field

#### HOME section – leads to the main screen

#### ADD POST section

* Title field
* Description field
* Content
* Tags
* ADD POST button

#### ALL POSTS

* 4 windows with short versions of the first 4 posts are shown
  + title - clickable – opens the whole content of the chosen post
    - LEAVE A COMMENT
      * Name
      * Email
      * Comment
      * ADD COMMENT butto
  + author – clickable – shows all posts posted by the author
  + READ MORE button - opens the whole content of the chosen post
    - LEAVE A COMMENT
* Pages number counter – shows 4 posts per page. Clickable

## Product main functionalities

### Registration and authorization

1. **Registration**. Users’ personal profile information input.
2. **Login**. Login to the platform with the created profile.
3. **Change password**. User is able to change the login password.
4. **Logout**. User leaves the platform

### Blog posting activities

1. **Create post.** User creates a personal blog with topic, short description and content
2. **Tags.** User is able to specify searchable keywords

### Read and comment

1. **Read.** Users are able to read other users’ posts
2. **Search.** Search by keywords/tags
3. **Comment.** Users are able to leave comments to their own or other people’s posts

## Functional Requirements

We describe the functional requirements by giving various use cases.

*Use cases related to System Authentication:*

***Use case №1****:* Register  
*Primary Actor:* User  
*Precondition:*  Installed browsers and active internet connection.

*Main Scenario*:

1. Open a browser
2. Specify web address for accessing the blog platform
3. Navigate to the register section
4. A registration drop down opens.
5. Enter username – mandatory – at least 4 characters
6. Enter password – mandatory – at least 4 characters
7. Confirm password – mandatory
8. Enter names – optional
9. Enter profile picture link – optional
10. Click register button
11. System accepts the provided information and creates user profile
12. Successful registration message is displayed

*Alternate scenario:*  
 11.1 Registration fails – incorrect input data in the mandatory fields

11.1.1 Prompt registration failed message  
 11.1.2 Allow re-entrance of the information

11.2 Registration fails – empty mandatory fields  
 11.2.1 Prompt registration failed message  
 11.2.2 Allow re-entrance of the information

11.3 Registration fails – username is already taken

11.3.1 Prompt registration failed message  
 11.3.2 Allow re-entrance of the information

***Use case №2****:* Login  
*Primary Actor:* User  
*Precondition:*  Installed browsers, active internet connection and created user profile.

*Main scenario*:

1. Open a browser
2. Specify web address for accessing the blog platform
3. Navigate to the login section
4. A login drop down opens.
5. Enter username
6. Enter password
7. Press login button
8. System authorizes successful login
9. The Main platform page is opened

*Alternate scenario:*  
 8.1 Login fails – incorrect input data in the fields

8.1.1 Prompt login unsuccessful message  
 8.1.2 Allow re-entrance of the information

8.2 Login fails – empty field  
 8.2.1 Prompt login unsuccessful message  
 8.2.2 Allow re-entrance of the information

***Use case №3***: Change password  
*Primary Actor:* User  
*Pre Condition*: User is logged in   
*Main scenario*:

1. Click on the PROFILE section
2. A drop down opens
3. Click on the EDIT PROFILE button
4. Enter old password
5. Enter new password
6. Enter the same password in the Confirm new password field
7. Click on the Save changes button
8. A message for successful change is displayed

*Alternate scenario:*  
 8.1 Authorization fails – wrong old password   
 8.1.1 Prompt message for unsuccessful change  
 8.1.2 Allow re-entrance  
 8.2 Authorization fails – new password and confirm new password does not match   
 8.2.1 Prompt message for unsuccessful change  
 8.2.2 Allow re-entrance  
 8.3 Authorization fails – new password and confirm new password are less than 4 characters   
 8.2.1 Prompt message for unsuccessful change  
 8.2.2 Allow re-entrance

*Use cases related to blog posting:*

***Use case №1***: Create post  
*Primary Actor:* User  
*Pre Condition*: User is logged in   
*Main scenario*:

1. Click on the ADD POST section
2. A page with a posting form opens.
3. Enter title of the post in the Title field. Mandatory
4. Enter short description of the blog in the Description field
5. Enter the article in the Content field
6. Place preferable key words related with the article with which the blog can be searched by in the Tag field
7. Press the ADD POST button
8. A message POST ADDED SUCESSFULY will pop-up
9. The platform navigates to the ALL POSTS section, the last post stays on top

*Alternate scenario:*  
 8.1 Posting fails – one of the blog input fields is empty  
 8.1.1 Prompt posting failure message  
 8.1.2 Allow re-entrance  
 8.2 Authorization fails – new password and confirm new password does not match   
 8.2.1 Prompt message for unsuccessful change  
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