User Requirements Spefication

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# Functional requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Functional requirement ID | Name | Description | Web/Desktop app | Priority |
| 1 | Registering as a new user | Registering a new client user in web app. In this FR, new client user is going to register their new account. | Web | MUST |
| 2 | Logging to application | Logging to desktop app as an administrator/moderator. | Desktop | MUST |
| 3 | Creating new admin user | Admin user creates another new admin user’s account. | Desktop | MUST |
| 4 | Deleting admin user | Admin deleting another’s admin account (e.g due to finishing job contract by the another admin). | Desktop | MUST |
| 5 | Updating admin user | Admin updating another admin’s account. | Desktop | MUST |
| 6 | Updating your own account’s details in desktop app | Admin updating their own account’s details in the desktop app. | Desktop | MUST |
| 7 | Changing your own password in web app | Changing your own password in web app. | Web | MUST |
| 8 | Creating a post | In this FR a user can create a new post, so everybody can see it. | Web | MUST |
| 9 | Making an edit on a post | In this FR user makes and edit on a their own post. | Web | MUST |
| 10 | Reporting a post | In this FR user can report somebody’s post. | Web | MUST |

# MoSCoW

* MUST HAVE
  + Admin’s accounts management
  + Registering and logging in web application
  + User’s account management
  + Creating and managing a post
  + Reporting a post or a comment
  + Reporting users
  + Reviewing reports
* SHOULD HAVE
  + Users Verification system
  + Following other users
  + Introducing premium users feature
* COULD HAVE
  + Private messages
* WON’T HAVE
  + Group conversations

# Use cases

## Use Case UC-1: Registering as a New User in Web Application

Actor: New User

Pre-Condition: The web application is accessible and the user has an active internet connection.

Main Success Scenario:

1. The user navigates to the registration page of the web application.
2. The system displays the registration form.
3. The user fills out the required information such as names, username, email address, and password and submits the registration form.
4. The system verifies the provided information, registers the new user and logs the user into the application
5. The user gains access to the application.

Post-Condition: The user is successfully registered as a new user and logged into the application.

Extensions:

4a: Invalid data is provided.

1. The system displays error messages indicating that the fields need correction.
2. Return to Main Success Scenario step 2.

4b: User already exists with provided credentials.

1. The system notifies the user that the provided username or email address is already in use.
2. Return to Main Success Scenario step 2.

4c: System error, internet or database issue.

1. The system displays an error message indicating the issue.
2. Return to Main Success Scenario step 2.

## Use Case UC-2: Login to the Application

Actor: Admin

Pre-Condition: The Admin has an active internet connection.

Main Success Scenario:

1. The system prompts the Admin to enter their username or email and password.
2. The Admin enters their personal login credentials.
3. The system verifies the credentials and grants access.
4. The Admin gains access to the application.

Post-Condition: The Admin is successfully logged into the application and can utilize its functionalities.

Extensions:

3a: Login credentials are incorrect.

1. The application notifies the Admin that the credentials are incorrect.
2. Return to Main Success Scenario step 1.

3b: Network failure or system error.

1. The application displays an error message indicating the issue.
2. Return to Main Success Scenario step 1.

## Use Case UC-3: Creating a New Admin User

Actor: Admin User

Pre-Condition: The Admin User is logged into the system and has appropriate permissions to create new admin users.

Main Success Scenario:

1. The Admin User navigates to the admin user management section of the system.
2. The system displays the option to create a new admin user.
3. The Admin User selects the option to create a new admin user.
4. The system presents a form for entering the details of the new admin user, including names, username, email address, and password.
5. The Admin User fills out the required information for the new admin user and confirms creation.
6. The system verifies the provided information and creates the new admin user.

Post-Condition: The new admin user is successfully created and added to the system.

Extensions:

6a: Invalid information provided.

1. The system displays error messages indicating the fields that need correction.
2. Return to Main Success Scenario step 4.

6a: Admin user creation fails due to existing username or email address.

1. The system notifies the Admin User that the provided username or email address is already in use.
2. Return to Main Success Scenario step 4.

6b: System error or database issue.

1. The system displays an error message indicating the issue.
2. Return to Main Success Scenario step 4.

## Use Case UC-4: Deleting Admin User

Actor: Admin User

Pre-Condition: The Admin User is logged into the system and has appropriate permissions to delete admin users.

Main Success Scenario:

1. The Admin User navigates to the admin user management section of the system.
2. The system displays a list of existing admin users.
3. The Admin User selects the admin user they wish to delete from the list.
4. The system prompts the Admin User to confirm the deletion.
5. The Admin User confirms the deletion action.
6. The system removes the selected admin user from the system and confirms successful deletion of the admin user.

Post-Condition: The selected admin user is successfully deleted from the system.

Extensions:

4a: User is not selected correctly.

1. The system informs about incorrect selection.
2. Return to Main Success Scenario step 2.

4b: Admin user deletion confirmation canceled.

1. The Admin User cancels the deletion confirmation.
2. Return to Main Success Scenario step 2.

4c: Error during deletion process.

1. The system displays an error message indicating the issue.
2. Return to Main Success Scenario step 2

## Use Case UC-5: Updating Admin User

Actor: Admin User

Pre-Condition: The Admin User is logged into the system and has appropriate permissions to update admin users.

Main Success Scenario:

1. The Admin User navigates to the admin user management section of the system.
2. The system displays a list of existing admin users.
3. The Admin User selects the admin user they wish to update from the list.
4. The system presents a form populated with the current details of the selected admin user.
5. The Admin User modifies the necessary information for the admin user (e.g., username, email address, permissions) and submits the form to update the admin user.
6. The system verifies the provided information and updates the admin user with the new details.

Post-Condition: The selected admin user is successfully updated with the new information.

Extensions:

4a: User is not selected correctly.

1. The system informs about incorrect selection.
2. Return to Main Success Scenario step 2.

6a: Invalid data is provided.

1. The system displays error messages indicating that the fields need correction.
2. Return to Main Success Scenario step 4.

6b: Given email/username is already in use by another user.

1. The system displays information about providing username/email that is already used by another user.
2. Return to Main Success Scenario step 4.

6c: Error during update process.

1. The system displays an error message indicating the issue.
2. The Admin User is prompted to retry the update process or contact support.

## Use Case UC-6: Updating Your Own Account's Details in Desktop App

Actor: User

Pre-Condition: The User is logged into the desktop application.

Main Success Scenario:

1. The User navigates to the account settings or profile section within the desktop application.
2. The system displays the fields populated with current User's account details.
3. The User modifies the necessary information (e.g., username, email address, profile picture) and submits the updated information.
4. The system verifies the provided information and updates the User's account with the new details.

Post-Condition: The User's account details are successfully updated with the new information.

Extensions:

4a: Provided data is incorrect

1. The system displays information about providing incorrect data.
2. Return to Main Success Scenario step 2.

4a: Provided username/email is already in use by another user

1. The system displays information about providing username/email that is already used by another user.
2. Return to Main Success Scenario step 2.

5a: Error during update process.

1. The system displays an error message indicating the issue.
2. The User is prompted to retry the update process or contact support.

## Use Case UC-7: Changing Your Own Password in Web App

Actor: User

Pre-Condition: The User is logged into the web application.

Main Success Scenario:

1. The User navigates to the account settings or profile section within the web application.
2. The system displays options for changing the password.
3. The User selects the option to change the password.
4. The system prompts the User to enter their current password and the new desired password.
5. The User enters their current password, the new password and its confirmation and submits the password change request.
6. The system verifies the provided information and updates the User's password.

Post-Condition: The User's password is successfully changed in the web application.

Extensions:

6a: Incorrect current password entered.

1. The system notifies the User that the current password entered is incorrect.
2. Return to Main Success Scenario step 4.

6b: New password does not meet requirements.

1. The system notifies the User that the new password does not meet the requirements.
2. Return to Main Success Scenario step 4.

6c: New password does not match to its confirmations.

1. The system notifies the User that the new password does not match its confirmations.
2. Return to Main Success Scenario step 4.

6c: Error during password change process.

1. The system displays an error message indicating the issue and prompting to retry the password change process or contact support.
2. Return to Main Success Scenario step 4.

## Use Case UC-8: Creating a Post

Actor: User

Pre-Condition: The User is logged into the web application and has access to the post creation feature.

Main Success Scenario:

1. The User navigates to the section of the web application where posts can be created.
2. The system presents a form for creating a new post, including a fields for content.
3. The User fills out the required field to create the post and submits the post creation form.
4. The system verifies the provided information and creates the post and adds it to the database. The system navigates to the page of the newly created post.

Post-Condition: The post is successfully created and visible to the User and other users in the web application.

Extensions:

4a: Invalid information provided.

1. The system displays error messages indicating the fields that need correction.
2. The User corrects the information and resubmits the post creation form.
3. Return to Main Success Scenario step 5.

4b: Error during post creation process.

1. The system displays an error message indicating the issue.
2. The User is prompted to retry the post creation process or contact support.

## Use Case UC-9: Making an Edit on a Post

Actor: User

Pre-Condition: The User is logged into the web application and has access to edit posts.

Main Success Scenario:

1. The User navigates to the post they wish to edit within the web application.
2. The system displays the content of the post along with an edit option.
3. The User selects the edit option for the post.
4. The system presents a form to create a new content.
5. The User makes the desired edits to the post content and submits the edited post.
6. The system verifies the provided information and updates the post with the edited content. Edited post is displayed with the updated content.

Post-Condition: The post is successfully edited with the updated content and displayed to the User and other users in the web application.

Extensions:

6a: Incorrect data has been provided

1. The system informs that the post’s content has been provided incorrectly.
2. Return to Main Success Scenario step 4.

6a: Error during edit process.

1. The system displays an error message indicating the issue and the User is prompted to retry the edit process or contact support.
2. Return to Main Success Scenario step 4.

## Use Case UC-10: Reporting a Post

Actor: User

Pre-Condition: The User is logged into the web application and encounters a post that violates community guidelines or terms of service.

Main Success Scenario:

1. The User navigates to the post they wish to report within the web application.
2. The system displays options for interacting with the post, including a "Report" button.
3. The User selects the "Report" button for the post they wish to report.
4. The system displays a page with confirmation of the report.
5. The User submits the report.
6. The system confirms successful submission of the report to the User.

Post-Condition: The post is successfully reported to the system administrators or moderators for review.

Extensions:

6a: Error during report submission.

1. The system displays an error message indicating the issue and the User is prompted to retry the report submission process or contact support.
2. Return to Main Success Scenario step 2.

# Sitemap

Graphical user interface, application, website

Description automatically generated

# Examples of wireframes

Main page with posts:

Graphical user interface

Description automatically generated

Post and its comments:

Graphical user interface

Description automatically generated

Login:

Graphical user interface

Description automatically generated

Register:

Graphical user interface

Description automatically generated

# Examples of real User Interface pages

Main page:  
A screenshot of a computer

Description automatically generated

This is main page where you can view all recent posts.

Main post’s page:  
A screenshot of a email

Description automatically generated

This is page of a main post with one comment on it

Login page:  
A screenshot of a login form

Description automatically generated

Page of logging into web application

Register page:  
A screenshot of a computer

Description automatically generated

Page of registration in a web application

Creating a new comment:  
A screenshot of a computer

Description automatically generated

User can add a new comment here.

Create a new post:  
A screenshot of a computer

Description automatically generated

User can create a new post here.

Filing a report:  
A screenshot of a computer

Description automatically generated

User can file a report of another user’s post here.

Users overview in desktop application.

A screenshot of a computer

Description automatically generated

Admin can look for users in admin panel here.

Post report reviewing in desktop app:  
A screenshot of a computer

Description automatically generated

Admin can review a post report here, in the admin panel.