

Functional Requirements

The social media application will provide the users the ability to save social media content (blogpost) that they are interested in.

A **blogpost** is content that the users will be recording in the application and it will be consisting of below information.

- Title
- Content
- Author
- Date and Time
- Link (URL of the post from various social media applications)

The users will also be able to view the blogposts of other users of the application. The users will also have the ability to view the profiles of other users and the blogposts of those users.

The users will also have the ability to search different topics so that they can find related blogposts. The users will also be able to create spaces, which will give the users ability to share blogposts on a specific topic such as “Bosphorus University”.

The application will be consisting of the below steps:

1. Home Page
2. Registration Page
3. Login Page
4. Profile (View and Update)
5. Create Blogpost
6. Search Blogposts
7. Create and View Spaces
8. Friends Page

Home Page

1. Users shall be able to view the links to the main sections of the application when they open the home page of the application.
 - a. Home
 - b. Register
 - c. Login / Logout
 - d. Friends
 - e. Spaces
 - f. Profile
 - g. Blogpost Entry
2. If the user has not completed the login process then he can only see the contents that will be visible to non-logged in users which are homepage, login page and register page.
3. If the user completes the login process successfully then he shall be able to view the main sections of the application below:
 - a. Home
 - b. Logout
 - c. Friends

- d. Spaces
 - e. Profile
 - f. Blogpost Entry
4. Register and Login links on the homepage shall not be visible to logged in users.
 5. Users shall be able to view the blogposts that they previously saved in the homepage.
 6. Users shall be able to view the blogposts of their friends. (The friends section will be detailed below.)
 7. Users shall be able to delete their own blogspots if they want not to see the posts anymore.
 8. Users shall be able to filter the blogposts to reach the related blogposts about their search criteria.

Register

1. When a user clicks on the register link the “Register Page” shall be opened.
2. User shall only be able to register after successfully completing the below information on the Register Page:
 - Username
 - E-Mail Address
 - First Name
 - Last Name
 - Password
3. A user shall not be able to complete the registration process with a username that already exists in the system.
4. A user shall enter password information twice so that he does not mistakenly enter a password and complete the registration with a wrong password.

Login / Logout

1. When a non-logged in user clicks on the Login link the “Login Page” shall be opened.
2. A user shall be able to login to the website by using the correct username and password combination that he created at the registration process.
3. A user shall not be able to login if the password does not match the password of the username he provided.
4. If the user completes the login process successfully then he shall be able to view the main sections of the application below:
 - Home
 - Logout
 - Friends
 - Spaces
 - Profile
 - Blogpost Entry
5. Logout link shall only be visible for logged in users.
6. Whenever a user clicks on the logout link the logout page shall be opened and the user shall see the information that he is logged out.
7. After the user has logged out of the system he shall not be able to view the profile page and the blogposts and he shall not be able create a blogpost entry.

Friends

1. A user shall be able to get friends with the other users of the application.
2. A user shall be able to view all his friends in the friends section of the webpage.

3. When a user becomes a friend with an other user, he shall be able to view the blogposts of that friend user.
4. A user shall be able to view the profile page of his friends.

Spaces

1. The users shall have the ability to search different topics so that they can find related blogposts.
2. The users will also be able to create spaces, which will give the users ability to share blogposts on a specific topic such as "Bosphorus University".
3. The users shall be able to view all the blogposts related to a space in this section.

Profile

1. The users shall have the ability to view their profile from the My Profile section of the application.
2. The users should have the ability to add a profile picture.
3. The users shall have the ability to view their profile information such as username and e-mail address, first and last name.
4. The users shall have the ability to update their name and e-mail address information but they should not have the ability to update their username from this section.

Blogpost Entry, Update, Delete

1. The users shall have the ability to create blogposts with entering the title, content (note about the blogpost) and URL of the related web page.
2. Title and the URL fields shall be optional for blogpost entry.
3. The date, time and author of the blogpost should be recorded in the system.
4. The users shall be able to update the title, content and URL of a blogspot. Whenever an update occurs, the timestamp should be updated.
5. The users shall be able to delete their own blogposts.

Non-Functional Requirements

Usability & Performance

1. All pages on the website shall be loaded within 5 seconds for at least %99 of the users.
2. The website shall have the capacity for at least 5.000 logged-in users at any given time.
3. The website must have at least 95% uptime.
4. The application must be scalable enough to support 100.000 visits at the same time while maintaining its optimum performance.

Security

1. The password information shall never be visible at any page of the website.
2. The username and password records shall not be viewed or updated by unauthorised users.

