

Software Requirement Specification (SRS) for Social Networking Site(SNS)

1. Introduction

- 1.1 **Purpose :-** Communities of people who share interests and activities. A network of social interactions and personal relationships. They can rate them on 3 different bases

This Software Requirements Specification provides a complete description of all the functions and specifications of the “**Social Networking Site**”

- 1.2 **Scope:** We describe what features are in the scope of the SNS and what are not in the scope of the application to be developed.

In scope:

1. They can chat with the other members in there following list.
2. They can upload document, images, videos, audio files.
3. They can rate other peoples on 3 different bases.
4. They can follow or unfollow other group members.

Out of the scope:

1. No video/audio calling.
2. No group chatting

1.3 Definitions, Acronyms, and Abbreviations:

Acronyms and Abbreviations:

- a. SNS: Social networking site.
- b. SRS: Software Requirements Specification.
- c. WWW: World Wide Web.

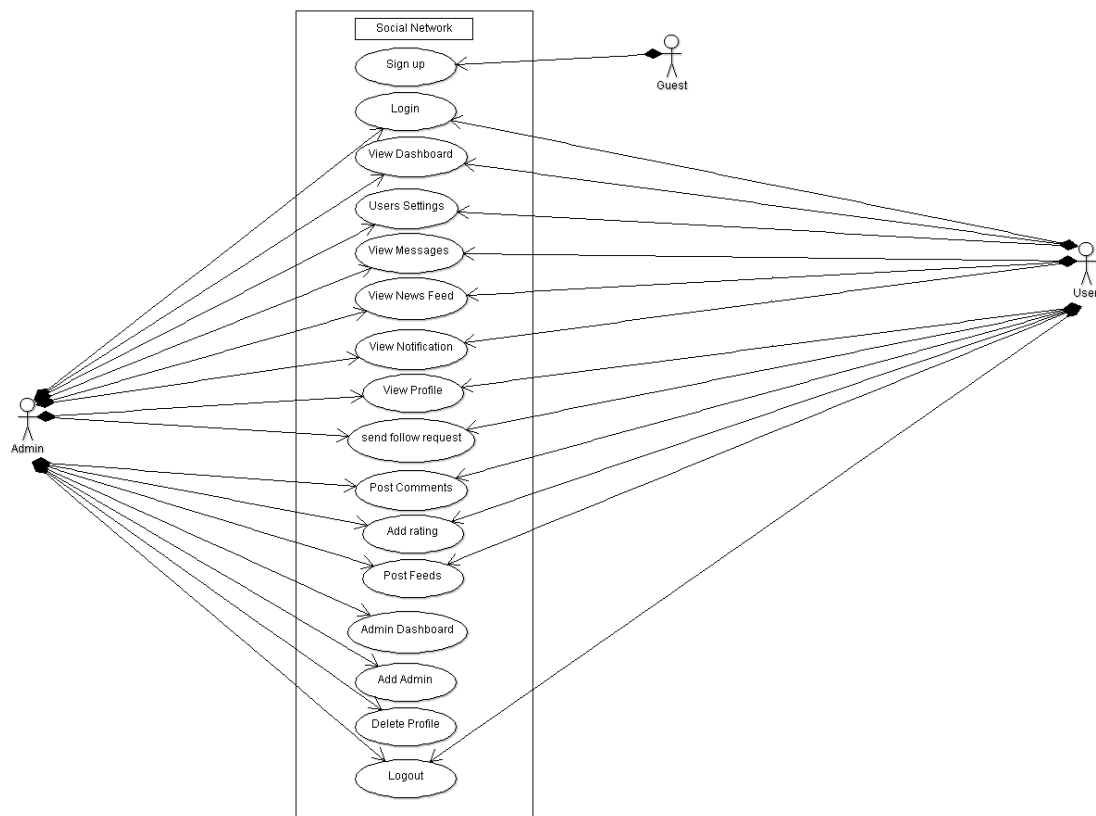
- 1.4 **Overview:** The rest of this SRS is organized as follows: Section 2 gives an overall description of the software. It gives what level of proficiency is expected of the user, some general constraints while making the software and some assumptions and dependencies that are assumed. Section 3 gives specific requirements which the software is expected to deliver. Functional requirements are given by various use cases. Some performance requirements and design constraints are also given. Section 4 gives some possible future extensions of the system. Finally the appendices in Section 5 describe respectively the formula for ROI calculation for shares and user screen

2. Overall Description:

2.1 Product Perspective:

Social Networking Sites will connect the people all over the world. They can share things, chat with each other,. we can rate and give comments on friends and colleagues profile's on three different basis/ perspectives i.e., Personal, Professional and Dating.

2.2 Use case Diagram:



2.3 Product Functions: SNS should support the following use cases:

Class of use cases	Uses Cases	Description of use cases
Use cases related to Registration	signup	Creates an account in SNS
Use case Related to Login	Log in	Log in to SNS
	Change Password	Change password to SNS
Use case Related to Portfolio	Create Portfolio	Create a new Portfolio
	Delete Portfolio	Delete the Portfolio
	Update Portfolio	Update the Portfolio
Use case to Messaging	Messages	You can message with other members of this site
Use case related to logout	logout	User safely log out after finishing his/her activity
Use case related to Comments	comments	User can comment on other post in Newsfeeds
Use case related to posting in Newsfeed	Text	User can Post Text in the Newsfeed

	Image	User can Post Images in the Newsfeed
	Video	User can Post Video in the Newsfeed
	Audio	User can Post Audio in the Newsfeed
	Location	User can Post Location in the Newsfeed
Use case related to delete	Delete	User can delete their post in Newsfeed
Use case related to types of profiles modes	Public mode	Display Profile for the all other account users
	Private mode	Display profile only for himself
	Followers mode	Display Profile for only to the followers
Use case related to notification	notification	User will get notification when his/ her post get comments
Use case related to Rating	rating	User can give rating to other account users

2.4 User Characteristics: The user should be familiar with the Social network site such as Facebook, twitter etc.

2.5 Principal Actors: The principal actor is “user” .

2.6 General Constraints:

- a. For full working SNS requires Internet connection.
- b. SNS is Multi-user software.

2.7 Assumptions and Dependencies:

- a. Full working of SNS is dependent on the availability of Internet connection.
- b. Back up of the databases in case of hardware failure, disaster, natural calamities.
- c. Central server of the system must be able to handle all the incoming requests simultaneously.

3. Specific Requirements:

3.1 Functional Requirements: We describe the functional requirements by giving various use cases.

Use case related to Registration:

Use Case 1: Signing Up

Primary Actor: User

Precondition: *Internet connection available.*

Main Scenario:

1. User has to register to use SNS .
2. User has to register with Email
3. User should specifies the login and password to use it.
4. System registers the information in the mysql database.

Use cases related to authorization:

Use Case 2: Login

Primary Actor: User

Pre Condition: Signing up

Main Scenario:

1. Start the application.
2. User gives the login and password which he has used in signing process .

3. System does authentication.
4. After login home screen is displayed.

Alternate Scenario:

- 4(a). Authorization fails
- 4(a)1. Prompt the user that he typed the wrong password
- 4(a)2. Allow him to re-enter the password. Give him 3 chances.

Use Case 3: Change Password

Primary Actor: User

Pre Condition: User logged in

Main Scenario:

1. User initiates the password change command.
2. User is prompted for old password, new password and confirm new password.
3. User gives the old password, new password and confirm new password.
4. System does authentication.
5. New password is registered with the system.

Alternate Scenario:

- 4(a). Authorization fails
- 4(a)1. Prompt the user that he typed the wrong password
- 4(a)2. Allow him to re-enter the password. Give him 3 chances.
- 4(b). New password and confirm new password do not match.
- 4(b)1. Allow him to re-enter the attributes. Give 3 chances.

Use cases related to portfolios:

Use Case 4: Create Portfolio

Primary Actor: User

Pre Condition: User logged in.

Main Scenario:

1. User initiates the "create portfolio" functionality.
2. System asks the user for the portfolio name.
3. User enters the portfolio name.
4. An empty portfolio is created.

Alternate Scenario:

- 4(a). Portfolio with the same name exists.
- 4(a)1. System asks the user for a different name.
- 4(a)2. User enters a different name.
- 4(a)3. Empty portfolio gets created.

Use Case 5: Update portfolio.

Primary Actor: User

Pre-Condition: User logged in.

Main Scenario:

1. User initiates the "Update portfolio" functionality.
2. System asks for the portfolio to be Update.
3. User can update his profile pic, covers, bio data.
4. Portfolio is updated.

Alternate Scenario:

- 4(a). The portfolio whose update is supposed to change does not exist.
- 4(b). Update fails, the error message is displayed.

Use Case 6: Delete portfolio.

Primary Actor: User

Pre-Condition: User logged in.

Main Scenario:

1. User initiates the "delete portfolio" functionality.
2. System asks for Confirmation to delete or not.
3. The portfolio is deleted.

Alternate Scenario:

3(a). Portfolio does not exist.

3(a)1. Deletion fails, error message is displayed.

Use case to Messaging

Use Case 7: Messaging

Primary Actor: User.

Pre-Condition: User logged in.

Main Scenario:

1. User can chat with his/her followers.
2. User can share data
3. User can view status of his/her followers.

Use cases related to Logged out

Use Case 8: Logged out

Primary Actor: User.

Pre-Condition: User logged out.

Main Scenario:

1. User safely log out after finishing his/her activity
2. User can't go back until he/she get sign in

Use Case 9: Comment

Primary Actor: User

Pre-Condition: User logged in.

Main Scenario:

1. User can comment on his post or other post
2. By comment he can share his/her view on that post.

Use cases related to posting in News Feed:

Use Case 10: Posting a Text Feed.

Primary Actor: User.

Pre-Condition: User logged in.

Main Scenario:

1. User can post a text feed from his news feed section in dashboard.
2. Other users will receive the news feed if he/she follows him/her.
3. Followers can comment on news feed.

Use Case 11: Posting a Image Feed.

Primary Actor:: User

Pre-Condition: User logged in.

Main Scenario:

1. User can post a image feed from his news feed section in dashboard.
2. Other users will receive the news feed if he/she follows him/her.
3. Followers can comment on news feed.

Use Case 12: Posting a video News Feed.

Primary Actor: User. **Pre-Condition:** User logged in.

Main Scenario:

1. User can post a video feed from his news feed section in dashboard.
2. Other users will receive the news feed if he/she follows him/her.
3. Followers can comment on news feed.

Use Case 13: Posting a audio News Feed

Primary Actor: User.

Pre-Condition: User logged in.

Main Scenario:

1. User can post audio feed from his news feed section in dashboard.
2. Other users will receive the news feed if he/she follows him/her.

3. Followers can comment on news feed.

Use Case 14: Posting a location News Feed

Primary Actor: User

Pre-Condition: User logged in.

Main Scenario:

1. User can post location feed from his news feed section in dashboard.
2. Other users will receive the news feed if he/she follows him/her.
3. Followers can comment on news feed.

Use Case 15: Delete News Feed

Primary Actor: User

Pre-Condition: User logged in.

Main Scenario:

1. User can delete audio feed from his news feed section.
2. User can delete text, Video, Image, Location feed from his news feed section.

Use cases related to Profile Mode

Use Case 16: View in Public Mode

Primary Actor: user

Pre-Condition: User logged in

Main Scenario:

1. All Users can view his/her profile without following him/her.
2. User can see all posts of his/her entirely.

Use Case 17: View in Private Mode.

Primary Actor: User.

Pre-Condition: User logged in

Main Scenario:

1. Only the user of that particular profile can view the post.
2. No other User can view his/her profile even though they are the followers.

Use Case 18: View in Only Followers Mode.

Primary Actor: User.

Pre-Condition: User logged in.

Main Scenario:

1. Only the followers of the particular user can view the post.

Use cases related to Notifications:

Use Case 19: Notification

Primary Actor: User

Pre-Condition: User logged in.

Main Scenario:

1. If User get a follower then he/she will get a follow notification..
2. If User get a rating on his profile he/she will get a rating notification..
3. If User get a comment on his post he/she will get a comment notification.
4. If user click on the notification then he/she will be redirected to his/her followers page.
5. If user click on the notifications then the notification will be marked as read.

Alternate Scenario:

4. If user do not click on notification then it will be marked unread.
5. No notification will appear if the user do not get any follower.

Use cases related to rating

Use Case 20: User Rating

Primary Actor: User.

Pre-Condition: User logged in.

Main Scenario:

1. Users can rate him/her in different aspects.
2. It's the choice of user whether to comment after rating.

3.2 Performance Requirements: Should have good internet connection

3.3 Design Constraints:

1. Security: The files in which the information regarding securities and portfolios should be secured against malicious deformations.
2. Fault Tolerance: Data should not become corrupted in case of system crash or power failure.

4. Future Extensions:

1. Video calling
2. group chat

Other Non Functional requirements**5.1 Performance Requirements**

- Website will be best viewed/working in Google Chrome,Mozilla Firefox,Internet Explorer 8.
- High Internet Speed is recommended for better user experience.
- We are developing our website, which will be compatible with any browser and any device in market.

5.2 Safety Requirements

- Sessions have been included for every login Page as well as logout Page.
- In Case,if there is a break in Internet Connection ,Cookies will be helpful for restoring users recent activities.

5.3 Security Requirements

- In case,If a user forgets his/her password 3 attempts will be given and further E-mail Backup is provided.
- Website has a private mode for a user so that he/she can secure his/her activities or personal details.
- Website Password requires a combination of Letters,Numbers & Symbols for a strong password strength.
- Website Has a Captcha to prove you are not a robot.
- If a user encounters a problem,he can contact to the website admins in various topics.

5.4 Software Quality Attributes

- Our Website has attributes like adaptability, availability, correctness, flexibility, interoperability, maintainability, portability, reliability, reusability, robustness, testability, and usability.

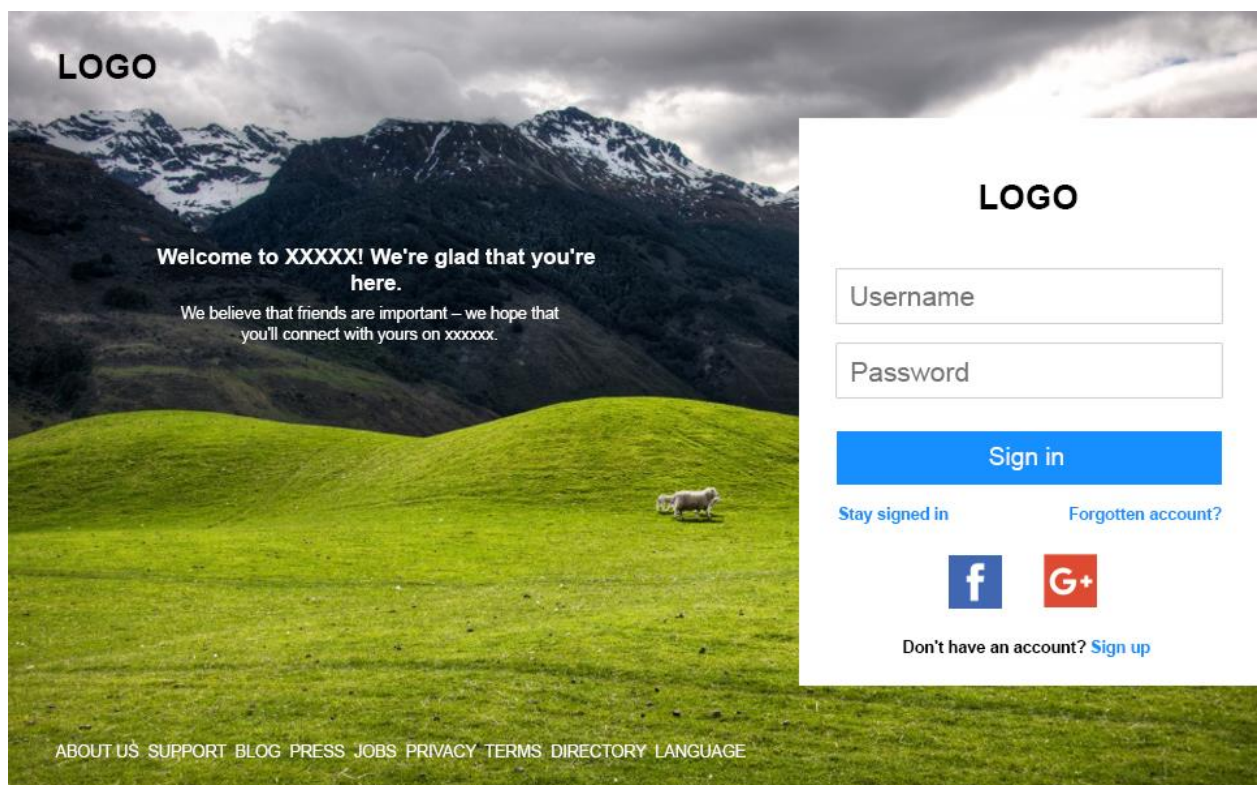
5.4 Software Business Rules

- SuperAdmin and Admins are assigned for different roles in case of any problems or issues.
- Terms and Conditions as well as privacy policies are mentioned.

6. Appendix






User Sceens:


Login Page:



Profile Page:

LOGO





Alex Brooks

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★ ★ ★ ★ ★

Personal

0.00

★ ★ ★ ★ ★

Professional

0.00

★ ★ ★ ★ ★

Dating

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★ ★ ★ ★ ★

1 Following

0 Followers

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★★★★★



★★★★★



★★★★★



★★★★★

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What's on your mind?

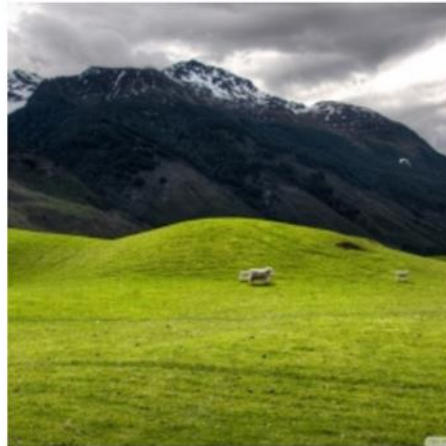


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Alex Brooks
about 10 hours ago

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