
Software Requirements Specification

**For
Facebook**

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1. Introduction

SRS stands for Software Requirement Specification. This document is prepared in order to determine the software requirement specification for Facebook.

Facebook is a social networking mobile application which people can add their friends ,share videos and photos ,send and receive messages ,comment and like posts ,share stories etc.

Learn More About Your Interests Watch videos from your favorite Creators and discover new content through Facebook Video and Reels. Get inspired by photos and videos from new accounts in Explore. Discover brands and small businesses, and shop products that are relevant to your personal style.

2. Overall

Description In this section the background description of the system should have been provided. Facebook is a social networking mobile application that brings you closer to the people and things you love.

2.1. Product Perspective

Facebook is an independent and world-wide network system. Every person can use it without any cost. People from different regions of the world can connect to each other via this system.

2.2. Product Function

After creating an account using Facebook people can search for each other and add them. After sending adding requests they can see each other's posts such as posts, news feeds etc. They can like, comment, and share each other's posts. They can also chat with each other.

2.3. User Characteristics

Facebook does not require any computer knowledge to use it. Anyone can use it very easily.

2.4. Design and Implementation

Being a social networking system its design should be perfect and attractive. It should be secure enough so that the user's data and their personal information should not be leaked and those should be securely preserved in the system.

3. External Interface Requirements

3.1. Interface Requirements

Various interfaces for Facebook could be :

Login Page

Home Page

There screen displaying friends request etc

3.2. Hardware Interface

The whole system runs over the internet. Without internet connection the system will not work. All the hardware should be connected to the internet such as wifi.

4. Specific Requirements

In this section all software requirements will explain some information to the user.

4.1. Functional Requirements

4.1.1. FR 1 : Posts

You can use Facebook to share photos and videos with your friends, you can do this from different places : Home page, and Profile page, Groups ,your pages.

4.1.1.1 Add Post

- You can Write Post
 - ◆ You can Add Template for your write post
- You can Add a single post (Photo/Video)
 - ◆ You can either use camera for a new photo/video or browse from your photos and videos
- You can Add a carousel post (share multiple photos/videos in one post only)
 - ◆ You can use mix of photos and videos either by using camera for a new photo/video or browse from your photos and videos
- You can Write a caption
- You can Tag people from your friends list
- You can Add a location
 - ◆ You can see a list of a nearby places to select from them or to search by your own location
- You Share to other social networks
 - ◆ Twitter, WhatsApp
 - ◆ You can share to groups and your pages
- You Share Live video
- You Share Your Albums
- You Add post privacy
- You Add Background color
- You Add Activity
- You Share your Feeling
- Save post as Draft
- Hide like counts
- Turn off commenting
- Share/Copy its link to anywhere
- You can add React to posts
 - ◆ You can add react (like, love, wow, care, angry, sad, laugh)
- Like, and reply to comments on your post
- You can add React to Comments

- ◆ You can add react (like, love, wow, care, angry, sad, laugh)
- Save your post
- Edit, Delete, Archive post
- You Edit Privacy
- You Can Pin post
- You Move to Trash
- Turn off Notifications for post
- You Can View edit History
- You Can Add More photos or videos

4.1.1.2 View Posts

Home shows a feed of photos and videos posted by you , your friends, Following page and groups you join.

You can like and comment on photos in your feed

→ You can interact with any post by doing the below actions

- ◆ Like, Comment
- ◆ Share
- You can Report post
- You can Snooze post for 30 days
- You can Hide post for you
- You can Turn on Notifications for post

4.1.2 FR 2 : Stories

With stories, you can share photos and videos that disappear from your profile, feed and messages after 24 hours, unless you add them to your profile as story highlights, you can do this from different places with the same behavior : Home page, and Profile page, messenger.

4.1.2.1. Adding a Story

- Post a single Story (Photo/Video)
 - ◆ You can either use camera for a new photo/video or browse from your photos and videos

- Post multi stories at once
 - ◆ You can use mix of photos and videos either by using camera for a new photo/video or browse from your photos and videos
- Save the story to your mobile
- Share the story to friends
- Share the story to close friends
- Add Privacy to your story
- Add Story caption
- Add Emoji to your story
- Add React to your story
 - ◆ If you didn't set the close friends list before, it will ask you for defining the list first then share
- Share the story to the direct messages
 - ◆ You can search for the friend name to send him the story in the direct messages
 - ◆ You could select only one or more friends to send them the story
 - ◆ In case of multiple friends you have 2 options
 - Send story to each one individually
 - Sent story to both of them in a group and you could name this group
- Share the story as a post (After it is already shared as a story)
- After it is posted from 2 places Home page, and profile page, Messenger
- You can view a stream of stories posted by you and your friends from the Home page, and you can reply on them

4.1.3. FR 3 : Messaging

With Messenger, you can send and receive messages with your friends.

4.1.3.1. Sending Messages

- Send Message to your friends

- ◆ You can search for the friend name to send him the your messages
- Send Message to groups, pages
- Send Text message
 - ◆ You can add text effects to your message send
- Send single or multiple (Photo/Video)
 - ◆ You can send mix of photos and videos from gallery
 - ◆ using camera for a new photo/video or browse from your photos and videos
- Send voice record
- Send Gif message
- Send sound message
- Send Sticker message
- you can delete message you sent
 - ◆ You can delete your message send for you or for everyone
- Add react to your messages
- Reply to your messages
- Archive chats
- make voice/video call

4.1.3.2. Receiving Messages

- Receive Messages From your friends, groups, pages
 - ◆ Receive Text message
 - ◆ Receive voice record
 - ◆ Receive Gif message
 - ◆ Receive sound message
 - ◆ Receive Sticker message
- Add react to messages
- Delete message you received
 - ◆ You can delete message was sent for you only

4.2. Non Functional Requirements.

4.2.1. Security

The system uses SSL(secured socket layer) in all transactions that include any other confidential passenger information. The system should be so secure that it should not show any cookies regarding the password or the username of the user so that no one rather than the user can access the system.

4.2.2. Reliability

The system provides a database for storage for all kinds of devices whether it is a computer or mobile or something else. The reliability of the whole system depends on the reliability of the separate components. The system should be so reliable that it should not crash or hang during the user's use.

4.2.3. Maintainability

There are many people who are there for the maintenance purpose of the system. They can be software engineers or a team of hackers. They are there to take care of that if there are some problems regarding the system or not.

4.2.4. Portability

The system consists of scripting languages such as PHP,HTML etc. It should run on any device and any platform or in any operating system whether it is windows, OS or android.