

Software Requirement 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 that brings you closer to the people and things you love.

Connect with friends, share what you're up to, or see what's new from others all over the world. Explore our community where you can feel free to be yourself and share everything from your daily moments to life's highlights.

Express Yourself and Connect With Friends

Add photos and videos to your story that disappear after 24 hours, and bring them to life with fun creative tools.

Message your friends with Messenger. Share and connect over what you see on Feed and Stories.

Create and discover short, entertaining videos on Facebook with Reels.

Post photos and videos to your feed that you want to show on your profile.

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 follow them. After sending follow requests they can see each other's posts such as photos, videos, 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
- Profile Page
- Home Page
- Explore Page
- Messenger

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. Software Interface:

The system is on a server so there will be some scripting languages such as PHP, HTML, VBScript etc. Database is also required for the storage purpose of any transaction like MYSQL.

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: Adding Posts

➔ Create New post

User Can create new posts from his/her profile, from home page or from a friend's profile allow posting.

User can post in public groups/pages.

User can add post from the (+) icon in the app header then choose Post

In posting user able to write text, add either using camera for a new (Live) photo/video or browse from your photos and videos and also have the option for multiple selection for photos & videos Tag people from his/her friend list.

Also can add one feeling/activity to express his/her feeling,

Check-in a specific place with permission to access his/her location (have the option to allow or deny) or enter the place manually.

And can add GIF, Background color Music.

➔ Manage already posted

User can modify in published post

Pin, save, edit post, edit privacy, turn off notifications for this post, copy link or Move it to archive.

User also can view edit history

➔ Delete post





User can Move the published post to trash

With a Clarification message in Gray that "Items in the trash are deleted after 30 days."

4.1.2. FR 2: Adding Stories

When you share a photo or video to your story, it will be available to your selected audience for 24 hours. You can revisit your stories in your story archive.

To share to your story:

1. Click  **Create a story** at the top of your Feed or from your profile.
2. Click **Create a photo story** to add a photo or video from your computer.
3. Next to **Your story**, you can click  audience selector (e.g.  **Public** or  **Friends**) to choose who can see your story.
4. Click **Share to story**.

When you add a photo or video to your Facebook story, it can be seen across both Facebook and Messenger. You can always control who can see your story.

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

→ Tag people

- You can tag people and search for the account you want to tag with the option that “anyone you tag can share to their story and friends for an additional 24 hours.”

→ Save the photo to your mobile

→ Share the story to the direct messages in the messenger

- You can search for the account by name to send him/her the story in the direct messages with a clarification that “People you send this story to will be able to share it to their story for an additional 24 hours. They control who can see it.”
- You could send it to multiple people with the same

message select the one who you want to send this story to and press Send

→ Share the story as a reel (After it is already shared as a story)

→ You Highlight the story to be permanent in your profile by clicking on a star in the shared story

→ You can see the viewers




→ You can add a comment that can be seen by all the people who can see the story

4.1.3. FR 3: Messaging

→ Send Messages

using messages on Facebook with the Messenger app

To send a direct message on Facebook:

1. From your feed, click  in the top right.
2. Click  to start a new message.
3. Start typing the contact's name into the **To** field. Names and usernames of friends will appear.
4. Select the person or people you want to message.
5. Type your message, then press enter or  to send.

You can also click **Message** at the top of someone's profile to message them.

You can send messages to anyone on Facebook. Messages you send to people you aren't friends with may arrive in their Message requests folder or not be delivered to them at all if they chose to not to receive message requests in their settings.

Your messages also won't reach people who may have blocked you on Facebook chat or Messenger.



When you message someone on Facebook, their profile picture will appear next to your message (on the right) if they've seen it.

→ View and manage messages

To delete a conversation from Facebook:

1. Long press on a message.
2. Click on delete if this is the only one you want to delete
3. Click Select to choose more than one message if you want.
4. Then Click delete.

To delete a conversation from Facebook:

5. In the top right of your Facebook account, click .
6. Click the conversation you want to delete.
7. At the top of the chat, click .




8. Click **Delete Chat**, and then click **Delete Chat**.

Note: Deleting a message or conversation from your Chats list won't delete it from your friend's Chats list, Deleting a message permanently removes.

Archiving a conversation hides it from your chat list until the next time you chat with that person.




User can add photos, videos from the camera or browsing, Make a recorded audio, send emoji , call, video call or also send his/her Location.

To archive a conversation:





1. From , click  **Messenger** in the left menu.
2. On the left below **Chats**, put your cursor on top of the conversation.
3. Click  when you see it.
4. Click **Archive chat**.

You'll still be able to unarchive or find the archived conversation later. If the same person sends you a new message, the archived conversation will reappear in your Chat list, and the new message will be added to it.

To search for a chat conversation on Facebook:

1. From , click  **Messenger** in the left menu.
2. Below **Chats**, click  **Search Messenger** in the top left.
3. Search for a contact name, the conversation name or keywords. If you're searching for a keyword, click **Search messages for "[keyword]"**.

To search for a specific message in a chat conversation on Facebook:

1. From , click  **Messenger** in the left menu.
2. Open the conversation you want to search.
3. Click  in the top right.
4. Click  **Search**.
5. Search for a keyword in the search bar that appears at the top of the conversation.

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.