

Software Requirement Specification

Facebook Application

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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 are up to, or see what is 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. All the hardware should be connected to the internet such as Wi-Fi.

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

FR 1. Posts:

You can use Facebook to share photos and videos with your Friends, you can do this from 2 different places:

Home page, and Profile page.

Add Post → You can Add a single/Carousel post (Photo/Video/Text):

You can either use camera for a new photo/video/Text 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 Write a Status

→ You can Tag people from your Friends

→ You can Add a location

You can share on the linked accounts and if you are not linking the accounts, it should ask you to link if you want

- Save post as Draft
- Hide like counts
- Turn off commenting
- Share post on linked accounts on social media
- Share/Copy its link to anywhere
- Like, and reply to comments on your post
- Save your post
- Edit, Delete, Archive post

You can view Posts of Following Peoples and My posts as home shows a feed of photos and videos posted by you and your friends.

- Like and comment on photos in your feed
- Share (through DM, or through stories)
- Hide

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.

Adding a Story:

You can do this from 2 different places with the same behavior: Home page, and Profile page.

You can either use camera for a new photo/video or browse from your photos and videos

- Post a single Story (Photo/Video)
- Post multi stories at once
- Tag people by using the “@Mention” sticker, or by adding “@” while adding a text

If you didn't set the close friends list before, it will ask you for defining the list first then Share.

- Save the story to your mobile
- Share the story to friends
- Share the story to close friends

You can search for the friend's name to send him the story in the direct messages

- Share the story to 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 all 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
 - You can view a stream of stories posted by you and your friends from the Home page, and you can reply on them

FR 3. Messaging:

Users can send text messages or pictures or videos or audio/video recording(s) or even call their friends via audio/video/photos/text.

- You can chat friends from friend's page.
- You can chat with your friends and see if your friends are active or not
- You can either use camera for a new photo/video or browse from your photos and videos to send it as a message to your friends
- You can either use Mic or browse from your audios to send it as a message to your friends
- You can chat with unfriend and to choose people that you want to accept their message and send response or reject it.
- You can chat peoples in Groups.
- You can react your message or friend's messages.
- You can forward any Message from chat and send to your friend's or Groups.

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.