



# 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.

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

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

When you create your account, it set up as a public account where your photos, posts, and video will be public to anyone on the internet, but you can switch it to private account where your friends only will be able to see what you share.

## 2. Overall Description

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 send a friend requests or follow them. After sending friend requests or follow them 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

Instagram 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 it's 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  
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

- You can Add a single post (Photo/Video/Post)
  - ◆ 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 can Share to other social networks
  - ◆ Instagram, Twitter, Tumblr
- Save post as Draft
- Hide like counts
- Turn off commenting

- Share/Copy its link to anywhere
- Like, and reply to comments on your post
- Save your post
- Edit, Delete, Archive post

#### 4.1.2. FR 2 : Adding Stories

- 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 your friends by adding “@” while adding a text
- Save the story to your mobile
- Share the story to friends
- Share the story on Instagram and facebook at the same time
- Share the story to the direct messages “messenger”
  - ◆ 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
- Share the story as a post (After it is already shared as a story)
- 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

- You can send messages to your friends
- You can send messages to others who are not in your friend list
- You can receive messages from your friends
- You can receive messages from others who are not in your friend list
- You can make a voice call with your friends
- You can make a video call with your friends
- You can delete messages
- You can send photo/video by either using camera or browsing from your photos and videos
- You can make a group chat
- You can change the chat theme
- You can change the chat emoji

## 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.