



Software Requirement Specification for Facebook Mobile Application

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1. Introduction

SRS stands for Software Requirement Specification.

This document is prepared to determine the software requirements specification for Facebook Mobile Application.

Facebook is a well-known American online social media and social networking service, that connects people together.

Discover Yourself and Connect with Friends also **add Posts** and **add stories** and **add messages** to public and sharing with together
And the 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, favorite videos on Facebook with Reels. Post photos and videos and documents to your feed that you want to show on your profile.

2. Overall Description

In this section the background description of the system should have been provided.

Facebook is a well-known American online social media and social networking service, that connects people together.

2.1. Product Perspective

Facebook is a well-known American online social media and social networking service. Every person can use it without any cost. People from different regions of whole 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. And sending different reactions icon's

2.3. User Characteristics

Facebook is easy to use, and it does not require any computer knowledge to use it. Anyone can use it very easily with minimal guide.

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
- Add event, group
- Profile Page
- Home Page
- Timelines Page
- Messenger

3.2. Hardware Interface

The complete system runs over the internet. Without internet connection the system will not work. All the hardware should be connected to the internet such as Wi-Fi or cellular sim card

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 Module

You can use Facebook to add posts and photos and videos with your friends or followers, you can do this from different places: Home page, and Profile page

4.1.2.1. Add Post

- You can Add a post (document/Photo/Video)
 - ◆ You can add new post and submit it
 - ◆ You can change color of post
 - ◆ You can attach a post with either use camera for a new photo/video or browse from your photos and videos
 - ◆ You can add a multiple 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 mention people from your friends or following list
- You can Add a location

- ◆ You can see a list of as nearby places to select from them or to search by your own location
- You Share to other social networks
 - ◆ Twitter, Tumblr
- Save post as Draft
- Hide like counts
- Turn off commenting
- Share post on banded accounts on social media
- Share/Copy its post to anywhere
- Like, and reply to comments on your post
- Save your post
- Edit, Delete, Archive post

4.1.2. **View Posts of Following Peoples and My posts**

Home shows a feed of posts and photos and videos posted by you and your friends. You can like and comment and share on photos in your feed

- You can interact with any post by doing the below actions
 - ◆ Like, Comment
 - ◆ Share (through messenger, or through stories)
 - ◆ Hide

4.1.2. **FR 2: Adding Stories Module**

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 2 different places with the same behavior: Home page, and Profile page

4.1.8.1. **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
 - Tag people
- ◆ You can tag only public accounts, by using the “@Mention” sticker, or by adding “@” while adding a text
- ◆ You can tag location by using the “@Mention”

- Save the story to your mobile
- Share the story to friends
- Share the story to close friends
- ◆ 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 Messenger
- ◆ You can search for the friend's name to send him the story in the Messenger
- ◆ 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
 - You can view a stream of stories posted by you and your friends from the Home page, and you can reply on them
 - You can highlight story
 - You can archive story
 - You can delete story
 - You can change status views story

4.1.3. **FR 3: Adding Messaging Module**

- Check users send messaging to close friends and following friends
- Check user receiving messaging from close friends and following friends
- Check error messaging appears when message not sending correctly
- Check Users can see the Chat history of the group or not.
- Check Users can join current Chat/discussion in their group.
- Check whether the user can edit or delete its Chat or not.
- Check user can add Emojis, stickers, live chats, and animated gifs are all features in messaging box

- Check all the notifications like receiving messaging, sending messages, deleting messaging are appears
- Check send button for messaging is appears and working properly
- Check user can send document and photo in messaging

a. Non Functional Requirements

i. 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.

ii. 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.

iii. 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.

iv. 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.