

Software Requirement Specification for Facebook

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1. Introduction

This document is prepared to determine a software requirement specification for Facebook mobile application. Facebook is a social network which allow people to add friends, send and receive messages, share pictures and videos, comment and like on posts.

2. Overall Description

This section will briefly provide background information about the technical requirements for Facebook mobile application system.

2.1. Product Perspective

Facebook is an independent and world-wide social network website. Every person can use it for free. The Facebook is an independent system. People from different regions of the world can connect to it and exchange information with other people.

2.2. Product Function

After creating an account using Facebook people can search for friends to add. After that they can see each other's posts, videos, pictures. They will be able to like, comment, and share each other's posts. Also, They will be able to send messages to each other.

2.3. User Characteristics

Facebook does not require any computer knowledge to use it. Anyone from different regions, ages and nationalities can use it very easily.

2.4. Design and Implementation

To be on a social network system the design should be friendly. It should be secure 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

Usual user for Facebook application could be :

- Login to his Profile page
- Navigate to the Home Page
- Adding a Post
- Adding Stories
- Use the Messenger to send and receive messages

3.2. Hardware Interface

The whole system runs over the internet. So, Facebook application will need an internet connection to be able to work properly. The mobile device should be connected to the internet such as WIFI or Cellular data.

4. Specific Requirements

4.1. Functional Requirements

4.1.1. Adding Posts

Facebook users are able to add posts to be viewed by their friends.

- User can Add posts (News feed/Pictures/Videos)
- User can Tag people from his Friends list
- User can Add a location
- User Share other people posts with adding caption on them
- User can Save post as Draft
- User can Edit, Delete, Archive post

4.1.2. Adding Stories

With stories, Facebook users are able to add pictures and videos

- User can Post a single Story (Picture/Video)
- User can Post multi stories at once
- User can Tag his friends
- User can Add Location
- Save the story to your mobile
- Share the story to friends
- Share the story to close friends

4.1.3. Messaging

With Facebook Messenger, users are able to send and receive messages to and from each other

- User can send text message
- User can send pictures in a message
- User can send videos in a message
- User can send his location or any location in a message
- User can share a post in a message
- User can make a voice call using the messenger
- User can make a video call using the messenger

4.2. Non Functional Requirements

4.2.1. Security

The Facebook system uses secured socket layer “SSL” in all transactions that include any confidential passenger information. The system should be secured, and it should not show any cookies regard the username or the password of the user to prevent any other users from accessing the system.

4.2.2. Reliability

The Facebook system provides a huge database to store all kinds of devices whether it is a computers, mobile phone or tablets. 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.