Software Requirement Specification for

Facebook Mobile Application

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1. Introduction

This document is prepared in order to determine a software requirement specification for Facebook . Facebook is a social network on which people can add their friends , share videos and photos ,send and receive messages , comment and like on the links etc. In order to gain an overview about the report , firstly ,the purpose and scope of this document will be given , then an overall description of Facebook system is followed. In addition to these , system features such as uploading photo , sharing videos, adding friends , etc. are described deeply.

 It's also your personal organizer for storing, saving and sharing photos. It's easy to share photos straight from your Android camera, and you have full control over your photos.

Facebook Mobile APP is an application that connects mobile phone users to Facebook networks. The Facebook app's home page puts links to all of the web site's features on one small, convenient screen. Your News Feed, Profile, Friends, Messages, Places, and more can be accessed from here, and your notifications are shown at the bottom of the screen. If anyone has tagged you in a post or photo or written on your wall, you'll find out about it here.

Facebook is a social media networking site that allows users to connect with friends, family, co-workers and others, including groups of people who share similar interests. Users can share pictures, videos, articles and opinions with their friends.

Facebook key statistics
- Facebook generated $116.8 billion revenue in 2021. Approximately $65 billion came from the Facebook app
- $54.5 billion of Facebook's revenue is generated in US & Canada, despite only 13% of users being based in that region
- In 2022, Facebook had an net profit of $23.1 billion
- Facebook has been downloaded over five billion times

2. Overall Description

2.1 Product Perspective

Facebook is an independent and world-wide social network website. Every person can use it online without a fee. The Facebook is not a part of a larger system, it is an independent system.

People from different regions of the world can connect to it and exchange information with other people. In order to control the contents of the sharing's and comments done by the other people, Facebook has also a control mechanism.

People can deliver their complaints about any part of the Facebook to the "Facebook Administrators". Then, "Facebook Administrators" might take appropriate actions according to the complained situation which is against the rules

2.2 PRODUCT FUNCTIONS

After creating an account and starting to use the Facebook, first thing he or she will make is searching for friends. The user will search people by their names and can send an invitation to them to add as a friend and to be able to see their shared items on Facebook.

If the person accepts the invitation, these two persons become friends on Facebook and can interact more closely such as sending messages to each other. Any user can share his/her status like whatever he is thinking, wherever he is or his current mode. Friends of this person can make a comment on that.

Furthermore, if a user shared a photo, video, link or anything, any friend of that user can share that shared item also. Users can upload photo and video to their profiles and create an album. Anyone can create a group and invite people to join in the group. Similarly, people can attend the activities where they are invited.

2.3 USER CHARACTERISTICS

Facebook does not require any specific computer knowledge to use it except the developers and administrators of it. Standard users are thought to be from any age, any gender and from any nationality who can use just computer's browser.

On the other hand, administrators and potential developers need a high level of expertise to understand web technologies.

2.4 DESIGN & IMPLEMENTATION

CONSTRAINTS Being a social network website, the software should ensure the safety of information given by the user

3- External Interface Requirements

3.1 Interface Requirement

Various interfaces for the Facebook could be

1. Login Page

2. Home Page

3. There will be a screen displaying news feeds, friend request , suggestion ,etc.

3.2 Hardware Interface

The System must run over the internet, all the hardware shall require to connect internet will be hardware interface for the system. As for e.g. Modem, WAN — LAN, Ethernet Cross-Cable.

3.3 Software Interface

The system is on server so it requires the any scripting language like PHP, VBScript etc.

The system require Data Base also for the store the any transaction of the system like MYSQL etc.

system also require DNS (domain name space) for the naming on the internet. At the last user need web browser for interact with the system.

4. Specific Requirements

In this section all software requirements will explain some information to the user.

4.1 Functional Requirements

A functional requirement defines a function of a system or its component.

4.1.1 FR1: Adding Posts

A new view will display and show a composition window with various rich text and multimedia options. The user can then enter his/her post and submit it to the Facebook database. The post will be immediately displayed on the user's news feed