Software Requirements Specification

For

FaceBook.com

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**Revision History**

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**Document Approval**

The following Software Requirements Specification has been accepted and approved by the following:

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| --- | --- | --- | --- |
| **Signature** | **Printed Name** | **Title** | **Date** |
| Hasnaa Rabie | Fatma Gamal | facebook | 1/1/2022 |
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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 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 video, adding friend etc. are described deeply. After mentioning about the introduction of the software system, the specific requirements will be addressed for it. In the final part, functional and non-functional requirements will be addressed.*

## 1.1 Purpose

*What is the purpose of this SRS and the (intended) audience for which it is written.*

## 1.2 Scope

*This subsection should:*

*(1) Identify the software product(s) to be produced by name; for example, Host DBMS, Report Generator, etc*

*(2) Explain what the software product(s) will, and, if necessary, will not do*

*(3) Describe the application of the software being specified. As a portion of this, it should:*

*(a) Describe all relevant benefits, objectives, and goals as precisely as possible. For example, to say that one goal is to provide effective reporting capabilities is not as good as saying parameter-driven, user-definable reports with a 2 h turnaround and on-line entry of user parameters.*

*(b) Be consistent with similar statements in higher-level specifications (for example, the System Requirement Specification) , if they exist.What is the scope of this software product.*

## 1.3 Definitions, Acronyms, and Abbreviations

*This subsection should provide the definitions of all terms, acronyms, and abbreviations required to properly interpret the SRS. This information may be provided by reference to one or more appendixes in the SRS or by reference to other documents.*

## 1.4 References

*This subsection should:*

*(1) Provide a complete list of all documents referenced elsewhere in the SRS, or in a separate, specified document.*

*(2) Identify each document by title, report number - if applicable - date, and publishing organization.*

*(3) Specify the sources from which the references can be obtained.*

*This information may be provided by reference to an appendix or to another document.*

# 2. General Description

*This section of the SRS should describe the general factors that affect 'the product and its requirements. It should be made clear that this section does not state specific requirements; it only makes those requirements easier to understand.*

## 2.1 Product Functions

*This subsection of the SRS should provide a summary of the functions that the software will perform.*

## 2.2 Assumptions and Dependencies

*This subsection of the SRS should list each of the factors that affect the requirements stated in the SRS. These factors are not design constraints on the software but are, rather, any changes to them that can affect the requirements in the SRS. For example, an assumption might be that a specific operating system will be available on the hardware designated for the software product. If, in fact, the operating system is not available, the SRS would then have to change accordingly.*

# 3. Specific Requirements

The Specific Requirements section will provide the Use Case Reports specifying

the 12

Use Cases that make up this system. The Use Cases in the section contains both

internal and external pre and post conditions.

3.1 External Interface Requirements

3.1.1 User Interfaces

3.1.2 Hardware Interfaces

3.1.3 Software Interfaces

3.1.4 Communications Interfaces

## 3.2 Functional Requirements

## *3.1 Use Case Name: Login*

## *Summary:*

## *The login feature allows the actor of the software to use the website as a registered*

## *user.*

## *Preconditions:*

## *1- An account must be created.*

## *2- The actor selects the login button.*

## *3- The actor must have internet connection.*

## *Scenario:*

## *1- The login window is displayed.*

## *2- The actor completes the username and password field.*

## *3- The website validates actor as registered user or not.*

## *Possible Outcome:*

## *1- The actor login as registered user.*

## *2- The actor cannot login.*

## *3- The actor chooses login as a guest.*

## 3.3 Non-Functional Requirements

*-*PERFORMANCE REQUIREMENTS*.*

*-*DESIGN REQUIREMENTS

## 3.4 Other Requirements

*Catchall section for any additional requirements.*

# 4. Analysis Models

*List all analysis models used in developing specific requirements previously given in this SRS. Each model should include an introduction and a narrative description. Furthermore, each model should be traceable the SRS’s requirements.*

## 4.1 Sequence Diagrams

## 4.3 Data Flow Diagrams (DFD)

## 4.2 State-Transition Diagrams (STD)

# 5. Change Management Process

*Identify and describe the process that will be used to update the SRS, as needed, when project scope or requirements change. Who can submit changes and by what means, and how will these changes be approved.*

# A. Appendices

*Appendices may be used to provide additional (and hopefully helpful) information. If present, the SRS should explicitly state whether the information contained within an appendix is to be considered as a part of the SRS’s overall set of requirements.*

*Example Appendices could include (initial) conceptual documents for the software project, marketing materials, minutes of meetings with the customer(s), etc.*

## A.1 Appendix 1

## A.2 Appendix 2