



CS251 – Software Engineering I



CS251: Phase 1 – Shadow/Coders

Project: <Social Network>

Software Requirements Specifications

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Team



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Document Purpose and Audience

Purpose

The result of the requirement analysis activities are documented in this software specification document (SRS). This document lists the functional and non-functional requirements of the system ordered by the client (the TA).

Audience

The audience includes the TA (the customer), the system analysts and designers (which is our team), the project manager (the team leader) and may include the professor.

Introduction

Software Purpose

The purpose is to make a template design for functionalities of social network the access to the network and its usage should be simple for users to use, it should have the ability to talk to other users and add friends

Software Scope

The ability to post, talk chat with friends and find friends or get to meet and know other users on the same social network



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Definitions, acronyms, and abbreviations

Requirements

Functional Requirements

Sign Up

A user can sign up for an account, enters the username, password, telephone number and email, then check if username already exist or email is already used, if the username or email already exists output message for user to enter another username/email, else register the username and password and create a new user account with no posts, no friends, no friend requests, no pages liked and no notifications

Log in and out

A user can log in and out of his account, logging in includes entering the username and password and verifying the username and password and putting the status of the user as logged in, logging out includes putting the status of the user as not logged in

Viewing profile page

A user can view his or others profile page which includes his profile picture, his liked pages, his public posts and if he is a friend the user's friend posts and his friends, and finally any user can view his private posts

Find Friends

User can search for other users on the same social network by name or email and send them add friend request, the other user then registers a friend request of the sender's account page

Viewing group pages

If member in the group show all group posts, and option to view users in the group, else if not member in the group, if the group is public he can also view the posts and the users in the group and the group photo, if it is private, he can see only the users who are member in the group and the group photo, else the group is secret and he will not be able to view anything in the page even if he has its link (exception)

Viewing fan page

Shows its picture and posts



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Setting picture of group, profile picture or page

Choose picture and upload it and set it as the picture

Posting on wall

A user can post on his wall

Posting on a page

A page admin can post on a page

Posting on a group

Anyone can post on a group

Requesting join in a group

If the group is private or public user can request to join it and a notification is sent to the admins of the group

Hash-tagging in the posts

When a post is written with a word that begins with character '#' the post is put into category of the Hash-tag if it doesn't a new one is created

Create a page

a user can create a page and becomes its admin

Add admin to page

A page admin can add admin to page

Admin forfeiting admin of page

Admin can forfeit being a page admin if all admins leave the page closes

Adding users to group

Admins inside the group permitted to add users to group

Accepting join request to request



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Any admin accept or reject a join request, and a user can accept or reject an invitation to a group

Promote to admin

An admin in a group can upgrade the status of a user inside it to an admin

Leaving the group

If a normal user leaves the group, just remove him from the group, if admin he is the last admin to leave the group is deleted

Make a group

Create a group by putting its name and becomes an admin by default

Showing timeline

Get some posts from friend, groups and pages

Non Functional Requirements

	Details
Usability	Simple to use, users shouldn't find the system with too many features that are complex to use
Reliability	Crash safe, it should handle most exception and not crash
Portability	Works on all browsers
Delivery date	The project must be delivered before the end of the semester
Security	User accounts should be secured so that no one can gain access to other users accounts
Allowances for reusability	The code should be easy to understand to be able to reuse it in other projects
Response time	Request shouldn't take more than 8 seconds to respond to a request
Response time	It should not be down more than 1 hour in 3 years