Social Network project Specifications

Project Name

SOCIAL NETWORK

Course Name:

Software Engineering 1

Leader Name:

Suhila ahmed salah

SRS Doc Title :

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TA:

Mohamed Samir

Contact of leader :

suhila.1515@yahoo.com

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Team

ID	Name	Email	Mobile
20120199	Suhila Ahmed Salah	suhila.1515@yahoo.com	01005261913
20120186	Sara Mokhtar Abdo	sara_mokhtar2016@yahoo.com	01120703505
20120210	Shaimaa Farouk Mohamed	shaimaafarouk27@yahoo.com	01283990435
2012442	Heba Mostafa tawfeek	hebamoustafa315@gmail.com	01014079604

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Document Purpose and Audience

- The Document purpose is to organize or plant The basis for agreement between customers and suppliers , on what the software product is to do as well as what it is not expected to do.

Introduction

Software Purpose

-The software purpose of the Social Network project is to develop back-end API for social network. Something like Facebook API .

develop back-end API that is able to manage interactions between users, create and manage groups and pages, manage different type of posts and retrieve current posts in specific hashtag and sort these posts according to the most important post .

Software Scope

- This software system will be a social network for global different users with different priorities.

 Generally, this software will be like any social media such as Facebook, Twitter ...etc.

This software will be designed to help user deal with it as a normal user or premium one, as that each type of user will has different features in dealing with this software, but there will be a common features and functions.

- The social network that we will have specific Components:

 will allow users make personal profiles , groups (with different types) ,

Pages of any fan or specific products, and each user can post in his personal profile.

There will be other features such as Hashtags if user wants to write any post and label it with hashtag, and also can search about any hashtag to get information about it.

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A last component is that any user can message another user from his/her friend list and can message in a group.

Requirements

Functional Requirements

R1: sign up

Description :

User can sign up for social network sites and make his/her own account To do some functions in the sites.

Input:

User must enter First name , last name ,password, confirm password, E-mail or mobile number ,gender and date of birth.

- if this information founded before he will asked to change his information and try again .

Output :

-Message that Account is making successfully and then user could log in to the site.

R2: log in

Description :

 user can log in to his/her own profile that he/she made by sign up in the site to keep contact with friends and do some functions allowed by the site .

Input:

 user must enter his/her E-mail or mobile number and password to get into user account .

Output :

- if user enter correct E-mail and password then site will turn him/her to his home page.

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-if it is not correct user can't log in and he/she must review the personal data that user entered or he/she can sign up again.

R3: profile and cover picture:

Description: User can upload his/her own profile or cover picture that make easier to his/her friends to identify the user .

Input :

Go to your profile page and click on picture place then you will be able to choose from upload New picture or choose picture from your photos in your account.

Output : your picture that you uploaded or you are chosen from your photos will appear in your own profile and appears to your friends .

R4 :Add Friends :

Description : User can add his/her friend to be able to chat with him/her.

Input: user must go to his/her friend profile and click Add friend button.

Output:

- - if your friend accept the friend request user will receive notification that he became friends with the person he send to him the request .

- -If user didn't receive this notification so the person that the user send to him friend request didn't accept the request yet.

R5: Message Friend

Description :

User can send message to his/her friends or to any one not just friends.

Input:

User must go to the profile page of the person who want to send him/ her message

And then click the message button.

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Then message box will appear to the user and user can write the message in it and click send button.

Output : message will send to the another user and then if he/she replied you will get a message in your message box.

R6 : Message group Friend

Description :

User can send message to group of friends not just one friend.

Input : go to your home page and click new message in the right side down the page.

Then an empty text field will appear you must click names of your friends one by one and click enter button

Output : your message will appear to all your friends that user enters their names.

R7: search friend by e-mail :

Description :

User can search for his/her friends by using their E-mails then user can get their account on social Network .

Input: you must know your friends E-mails then go to your home page you will find text field in the north of the page written in it " search for people ,place, and thing" .

In this text field you must write the emails of your friends .

Output :

-If the email is correct you will find the accounts of your friend that you entered his/her email.

-If there is no account appear to the user then this email doesn't have an account or you entered wrong mail .

R8 :make and share posts :

R8.1: Make posts :

Description :

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-Users may want to share their status in social network by writing posts, Posts is one of the building blocks of social media content, Post (in our social network) defined as text content written by specific user.

- User can write post in his/her personal page or in joined groups. If user owns a page, user can write a post in his/her page posts.

Input :

If you want to share your status in your timeline (profile) you must write what you want to say in the empty text in the first of the page the written in it " what is in your mind " and click post button you also can choose if you want this post to be.

- public : to everyone can see it .

- friends: your friends only can see it.

- custom: determine some users to see your posts or users you want them to not see your posts by choose custom and write their names .

- Only me:

   that no one can see your posts except you even your friend..

Output : your statues will be appear to your timeline and according to your choice each statue you want to be shared with friends ,public, etc.

R8.2: Share and like posts:

 any other friend user can "like" this text content or share it on his/her personal page.

 user also can likes posts that shared by friends and share it in user profile .

input :

- if you want to share friends posts you must click share button that appear below the post .

- if you want to like friends posts you must click like button that appear below the post.

Output :

-if you shared your friend post it will appear in your home page .

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- if you liked your friend post then your friend will receive notification that you liked his post or picture.

R9: Create Group :

Description :

- User will able to create and manage different types of groups (for example: public group, private groups, …) each group is managed by set of users (including user creates the group).

- User can make posts in this group and add friends in it .

Input :

User must go to user home page and in the left side click on create group.

The user must write Group name and determines members of the group by writing their names and determine the privacy of the group .

-public: any one can see the group and posts in it.

-closed : any one can see the group but only members can see the posts in it.

-secret: only members can see the group and what member posts in it .

-The click create button.

Output :

Social network site will turn you to the group page then user and members will be able to post in it and see members posts.

R10: Create page :

Description :

Users may need to create fan page for specific entity or product. It's the same idea as Facebook pages

user should be able to create and manage user pages.

Input :

-User must go to user home page and in the left side click on create page.

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-User must choose the type of the page he want like (business , entertainment brand or product,.. etc).

-Then user must write name of the page and click create button .

Output:

- Social network site will turn the user to the page that user created .

R11 :write or search for Hashtag:

Description :

Users use hashtags to categorize the content of specific post, if user wants to write a post about "education", user may put the word #education (# the symbol of hashtag) in the post to categorize this post as education post. If another user wants to read some posts about education, so user may request all posts contains #education phrase.

Input : if the user want to write or search for specific post then user must put the symbol # before the word he want to write or search for it.

Output:

User will get all the posts related to the word he wrote in the hashtag.