

Phase1

SRS Document

Social network

TA Name :Mohamed Samir

Name	ID	gr	Mail
Mai abd elmajeed Mohamed abd elmajeed	20120407	IT- (4)	Eng.maielsheikh@gmail.com
Mai Ibrahim sayed taha	20120405	IT- (4)	Maiibrahim172@gmail.com
Lena medhat maher	20120283	IT- (3)	Lenamaher6@gmail.com

Introduction:

This project is a social network project like facebook where the users can interact together by sharing posts, pictures or songs. Although, there is a private chat where users in each other's friend list can chat together. User can like or make a comment on his friends wall. User can create a page or group (closed or public) where definite people can access it.

User can make a hashtag to categorize the content of specific post.

Purpose of the Project:

The purpose of this project is to develop back-end API for social network. Something like Facebook API.

One of Facebook tools is graph API explorer . In graph API you can use some functions to perform specific actions or get information about any component 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.

Functional requirements:

1. Create account :

With this component you should be able to create and manage different type of users (for example: normal user, premium user which has advanced features) and maintain some important attributes for each user (e.g. name, email, gender, profile picture)

2.Login and logout :

Login allows the user to access his account using the email and password and logout to exit the account.

3.Create group:

With this component you should be 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).

4. Create page:

Users may need to create fan page for specific entity or product. It's the same idea as Facebook pages. With this component you should be able to create and manage user pages and maintain some important attributes (e.g. number of users like specific page).

5. Create post:

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, any other friend user can "like" this text content or share it on his/her personal page. 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. With this component you should be able to create and manage different types of posts (user post, page post, post written by premium users). Also you should

maintain some important attributes for post (number of likes, number of shares).

6.Hashtag:

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. With this component you should be able to manage all hashtags, get all posts contains specific hashtag and sort these posts according to post importance (for examples, posts written by sponsored users should be more important than posts written by normal users).

7.Messaging:

User can send message to another user(s) in his/her friends list. Using this component, you should be able to create message from user to any other user(s), or get messages between 2 users, or get messages in specific message group (which contains more than 2 users).