



Cairo University
Faculty of Computers and Information
CS251: SWE-1

Program: Social Networks

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SRS phase 1



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Software Requirements Specifications

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Software Requirements Specifications

Team

ID	Name	Email	Mobile
20120405	Mai Ibrahim Sayed	Maiibrahim172@gmail.com	
20120407	Mai Abd el Majeed Mohamed	Eng.maielsheikh@gmail.com	
20120283	Lena Medhat Maher	Lenamaher6@gmail.com	

Document Purpose and Audience

- To define scope, requirements and analyze the system
- The audience: (Users, Developer, tester , Sponsors).

Introduction

Software Purpose

- To help Students, Instructors, Teaching assistants and Doctors to interact through a social network in such an easy way by making a common community to share their inquiries, problems and stay updated about their academic status.
- People who will use the system are (Students, Instructors, Teaching assistants and Doctors) and the admin of the website.

- **Software Scope**

- API is a social network
- It allows users to create their own social network
- Features: API Social Networking provides the functionality of a message board, user comment system, and a means of uploading appraisals, using hash tags, creating groups and pages, It also includes an appraisal hosting and uploading system of posts.



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Definitions, acronyms, and abbreviations

Using hashtags	To facilitate the searching process for the users to be able to reach posts through keywords easily.
Chatting list	When users want to communicate together within the academic topics
Creating post	Users may want to posts defined as texts whether on his own profile or on a public scale such as groups or pages.
Joining group	Bringing the individuals together into specific groups, often like a small community or a neighborhood to share and comment on each other posts

Requirements

Functional Requirements

1. Create Account: it allows users to create a new account using e-mail when this email isn't already registered on the API.
2. Login and Logout: allows users to enter their e-mail and password and allows the system to check if the user has an account.
3. Create Group: allowing individuals to communicate within a small neighborhood either on a public or private scale to share their posts and inquiries.
4. Create Page: it permits the ability of creating fan pages for specific instructors or courses under the management of the admin of the page.
5. Sharing posts: the availability of sharing posts defined as texts to be shared and can be liked or commented on by the viewers.
6. Using Hash Tags: it functions as a guide for users to find and list the keywords, it is used to express context around a given keyword, with no intent to actually categorize the keyword for later searching, sharing, or other reasons.
7. Messaging: it allows users to send messages to people who are on their friend list or to anyone involved in the API.



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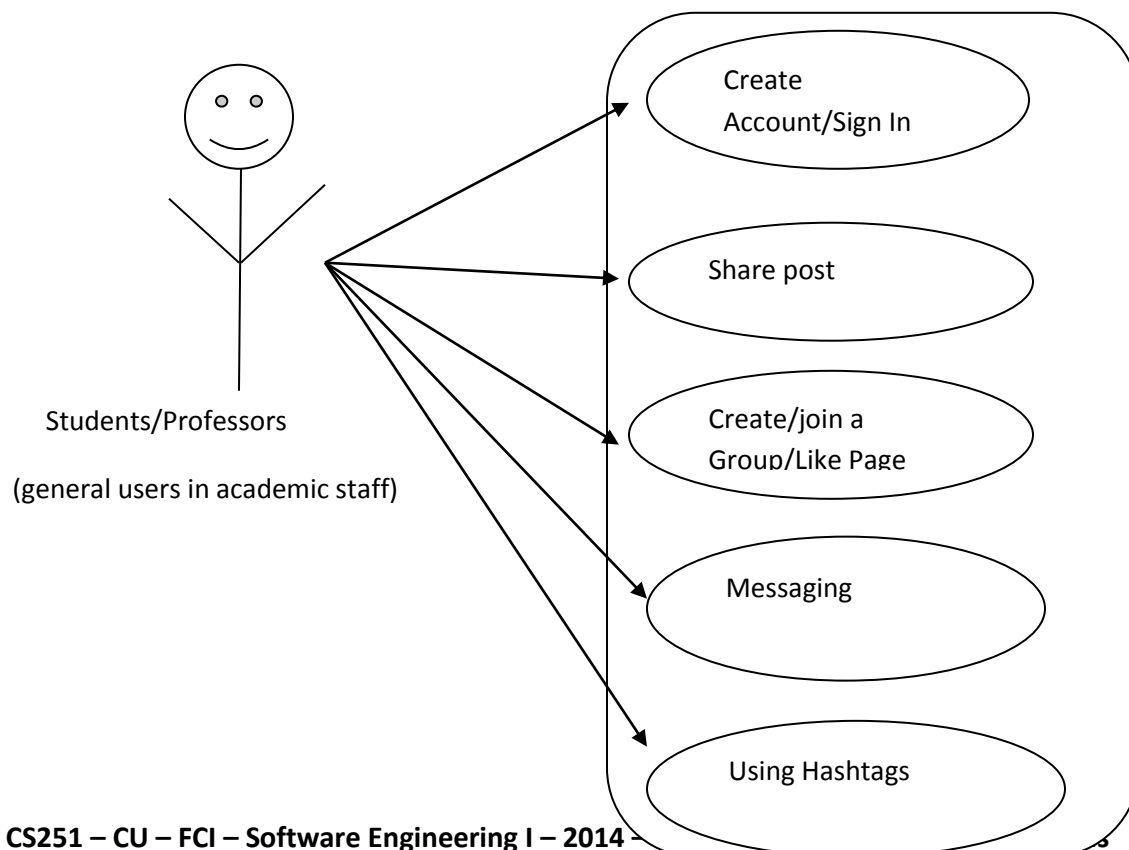
Software Requirements Specifications

Non Functional Requirements

	Details
Security	<ul style="list-style-type: none">• User has and email and password to login
Software requirements	<ul style="list-style-type: none">• Backup system
Accessibility	<ul style="list-style-type: none">• Could be accessed from any user who have an account on it
Reliable and extendable	<ul style="list-style-type: none">• Site doesn't fall a lot and it can be extendable if admin decides afterwards.

System Models

Use Case Model





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Use Case Tables

Use Case Name:	Create an account	
Actor:	Students, Instructors, Teaching assistants and Doctors	
Pre-conditions:	The user should have an email	
Post-conditions:	The user can use the application	
Flow of events:	User Action	System Action
	1- User Enter his name, email and password	
		2- System creates an account for him
Exceptions:	Account can be rejected due to missing information	
Includes:	Login	
Notes and Issues:		



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Use Case Name:	Login	
Actor:	Students, Instructors, Teaching assistants and Doctors	
Pre-conditions:	User has created an account	
Post-conditions:	The user can use the application	
Flow of events:	User Action	System Action
	1- User Enter his email and password	
		2- System Verify user data
Exceptions:	Account can be rejected due to missing information	
Includes:		
Notes and Issues:		

Use Case Name:	Logout	
Actor:	Students, Instructors, Teaching assistants and Doctors	
Pre-conditions:	User has created an account and logged in	
Post-conditions:	The user can no longer use the application until he logs in again	
Flow of events:	User Action	System Action



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	1- User press the log out button.	
		2- System logs out the user of the application
Exceptions:		
Includes:	Login	
Notes and Issues:		

Use Case Name:	Create group	
Actor:	Students, Instructors, Teaching assistants and Doctors	
Pre-conditions:	User has created an account and logged in	
Post-conditions:	User can post or share thing on the group which may be private or public one	
Flow of events:	User Action	System Action
	1. USER enters the group name , purpose and the people will be in it	
		2- System creates the group for him
Exceptions:	group can be rejected due to missing information	



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Software Requirements Specifications

Includes:	Login
Notes and Issues:	

Use Case Name:	Create page	
Actor:	Students, Instructors, Teaching assistants and Doctors	
Pre-conditions:	User has created an account and logged in	
Post-conditions:	User can create fan pages for specific instructors or courses under the management of the admin of the page	
Flow of events:	User Action	System Action
	1. USER enters the page name , purpose and the people will be in it	
		2- System creates the page for him
Exceptions:	page can be rejected due to missing information	
Includes:	Login	
Notes and Issues:		

Use Case Name:	Sharing post
Actor:	Students, Instructors, Teaching assistants and Doctors
Pre-conditions:	User has created an account and logged in



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Post-conditions:	The user can of share posts defined as texts and can be liked or commented on by the viewers	
Flow of events:	User Action	System Action
	1- User Enter the post	
		2- System share it among the user's friend list
Exceptions:		
Includes:	Login	
Notes and Issues:		

Use Case Name:	Using hashtag	
Actor:	Students, Instructors, Teaching assisters and Doctors	
Pre-conditions:	User has created an account	
Post-conditions:	The user can it is used to express context around a given keyword,	
Flow of events:	User Action	System Action
	1- User Enter the keyword Preceded by "#" symbol	



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Use Case Name:	messaging	
Actor:	Students, Instructors, Teaching assistants and Doctors	
Pre-conditions:	User has created an account and logged in	
Post-conditions:	users can send messages to people who are on their friend list or to anyone involved in the API.	
Flow of events:	User Action	System Action
	1.user choose the person he want to chat with	
		2- system create a chat box to them both
Exceptions:	page can be rejected due to missing information	
Includes:	Login	
Notes and Issues:		

Ownership Report

Item	Owners
Introduction	<i>Lena medhat maher</i>
Purpose, Audience and Software Scope	<i>Mai abd elmajeed mohamed</i>



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Use Case Diagram	<i>Mai Ibrahim sayed taha</i>
Use Case Tables	<i>Mai abd elmajeed Mohamed , mai Ibrahim sayed taha and lena medhat maherHassan</i>