



Course name: CS251- Software engineering-1

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project name : Social network

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SDD Doc title: The design of an ABI of Social network

Team

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Document Purpose and Audience

What is this document?

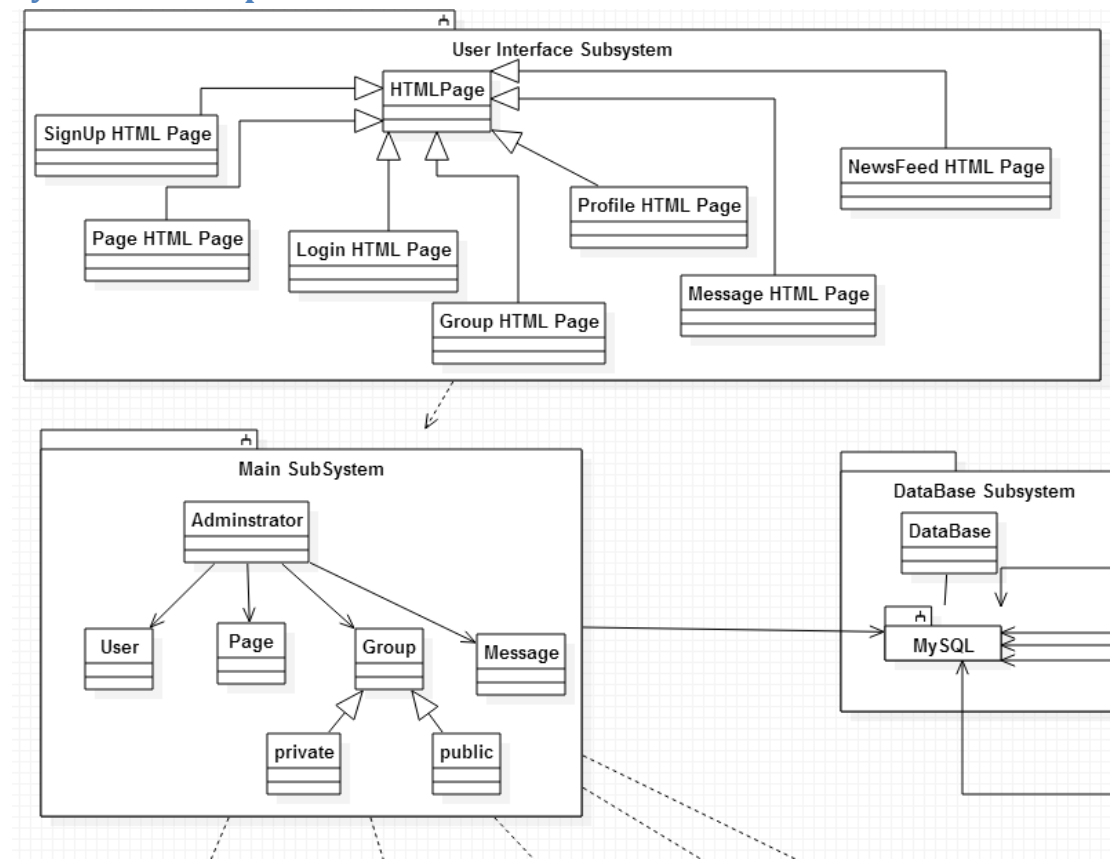
This document is about the diagrams and decomposition to create social network of using API application for staff and students in Cairo university.

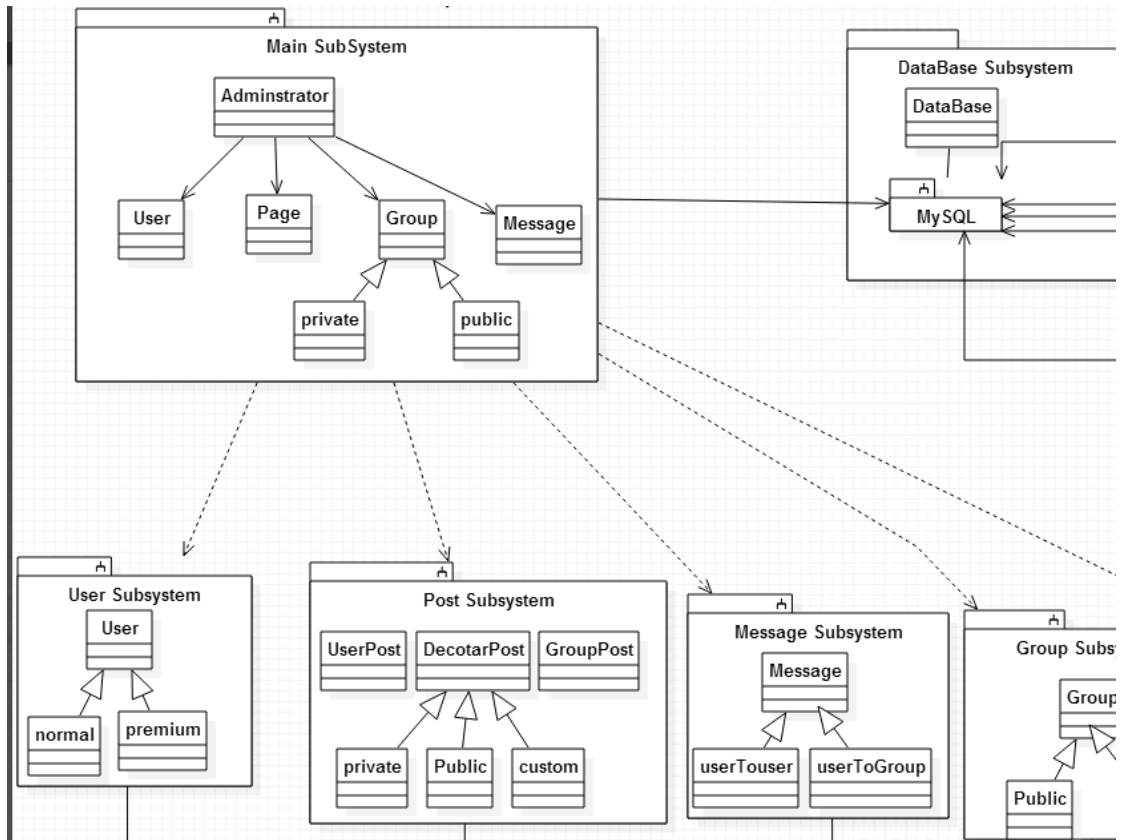
The target audience to read this document.

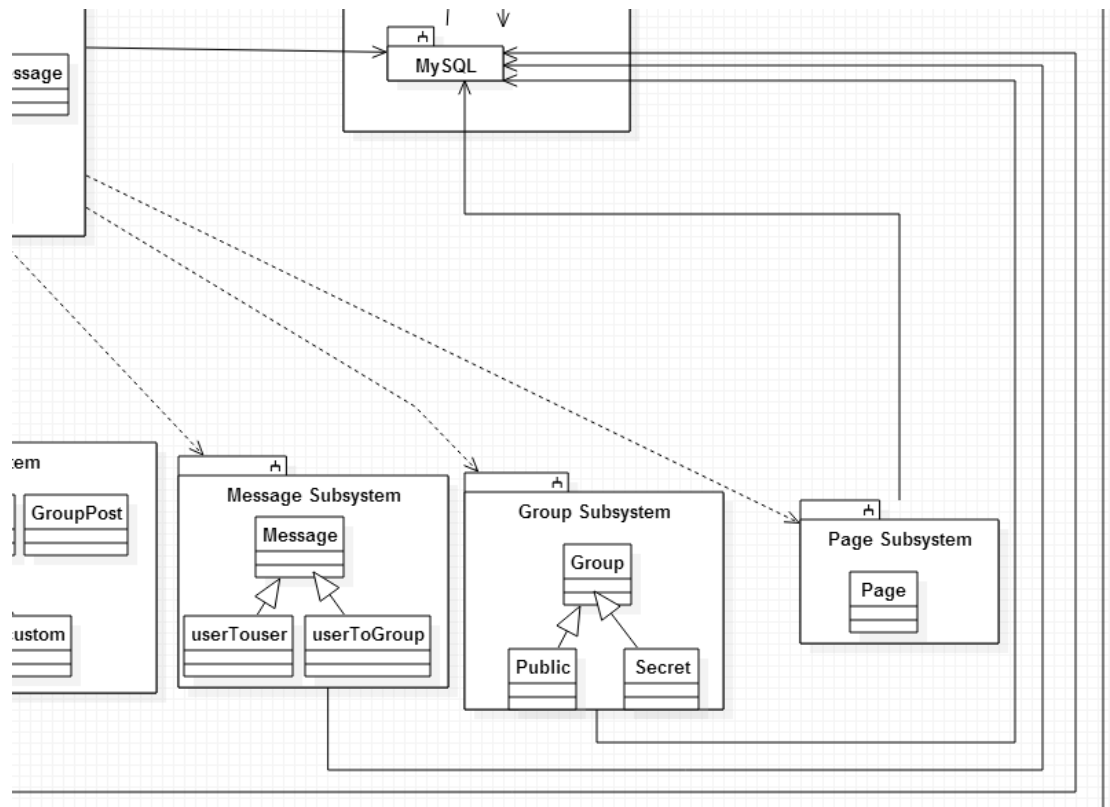
Developers ,project manager, software engineering manager and administrator

System Models

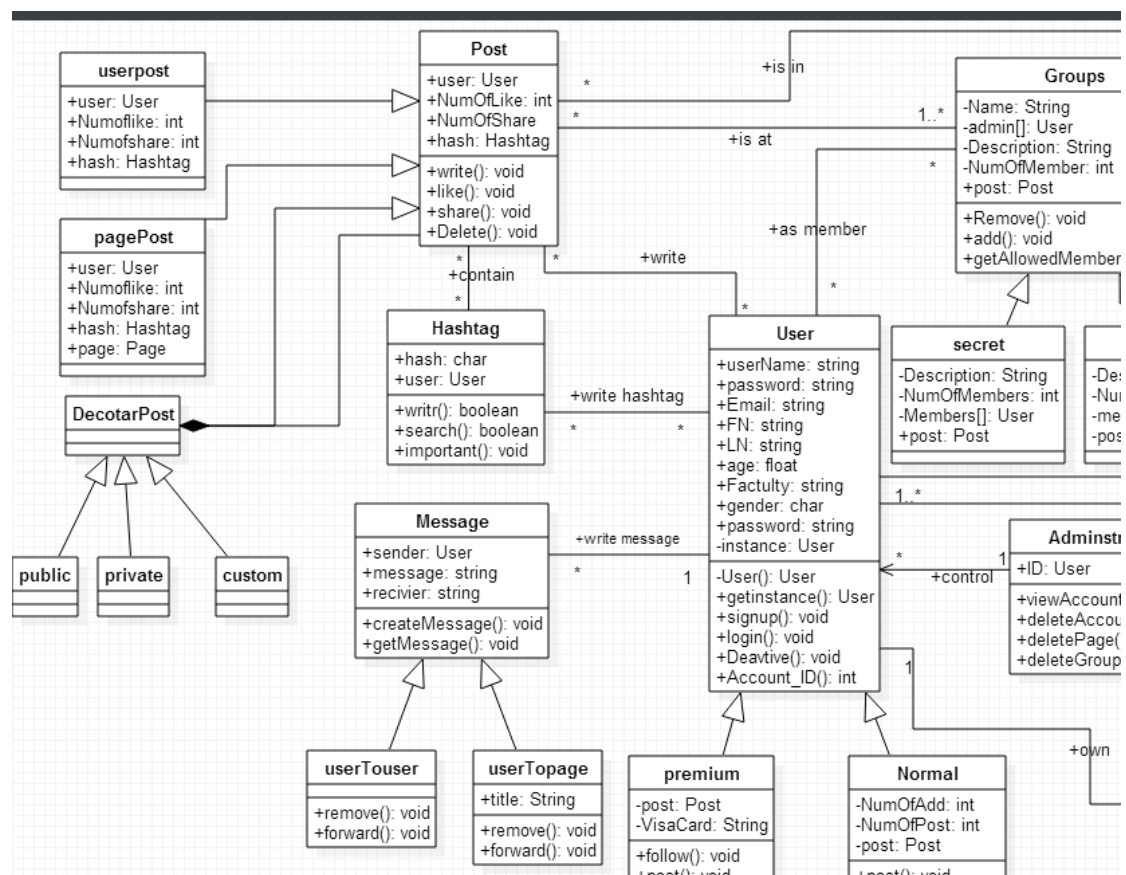
System Decomposition

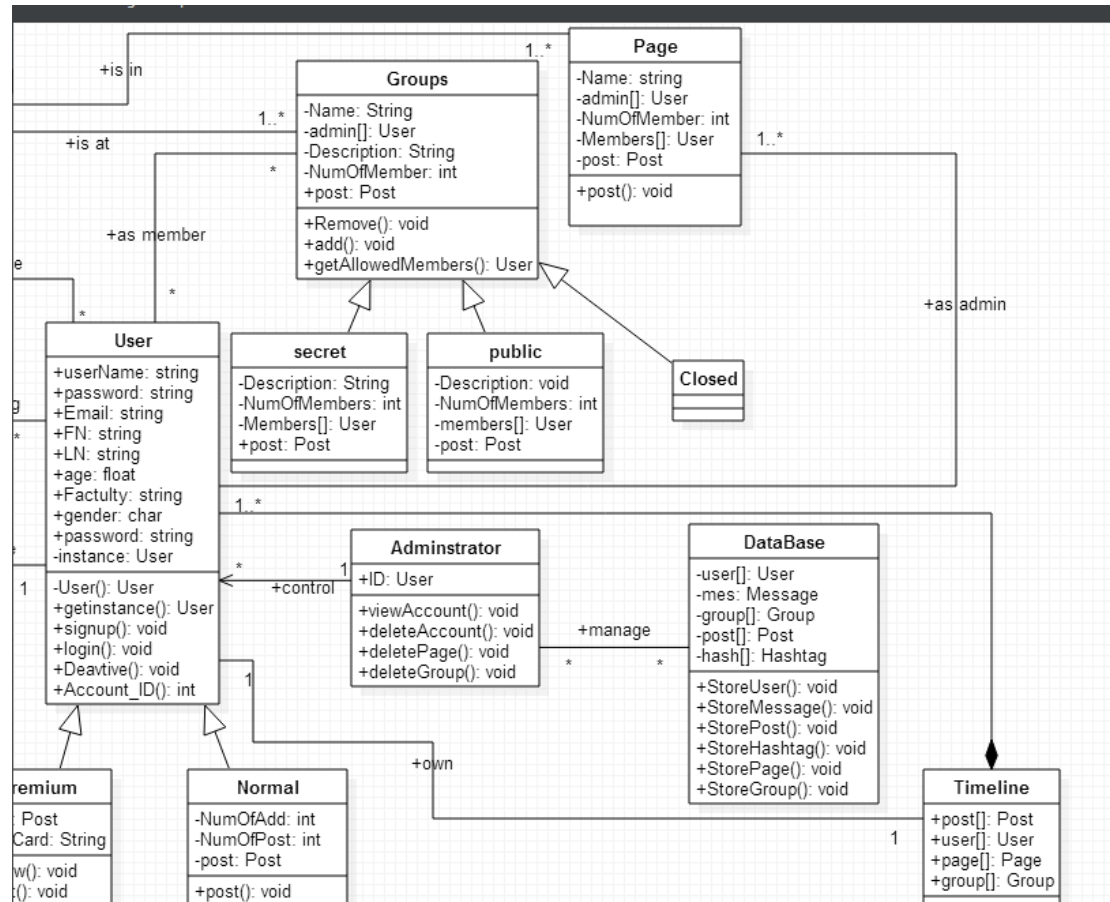


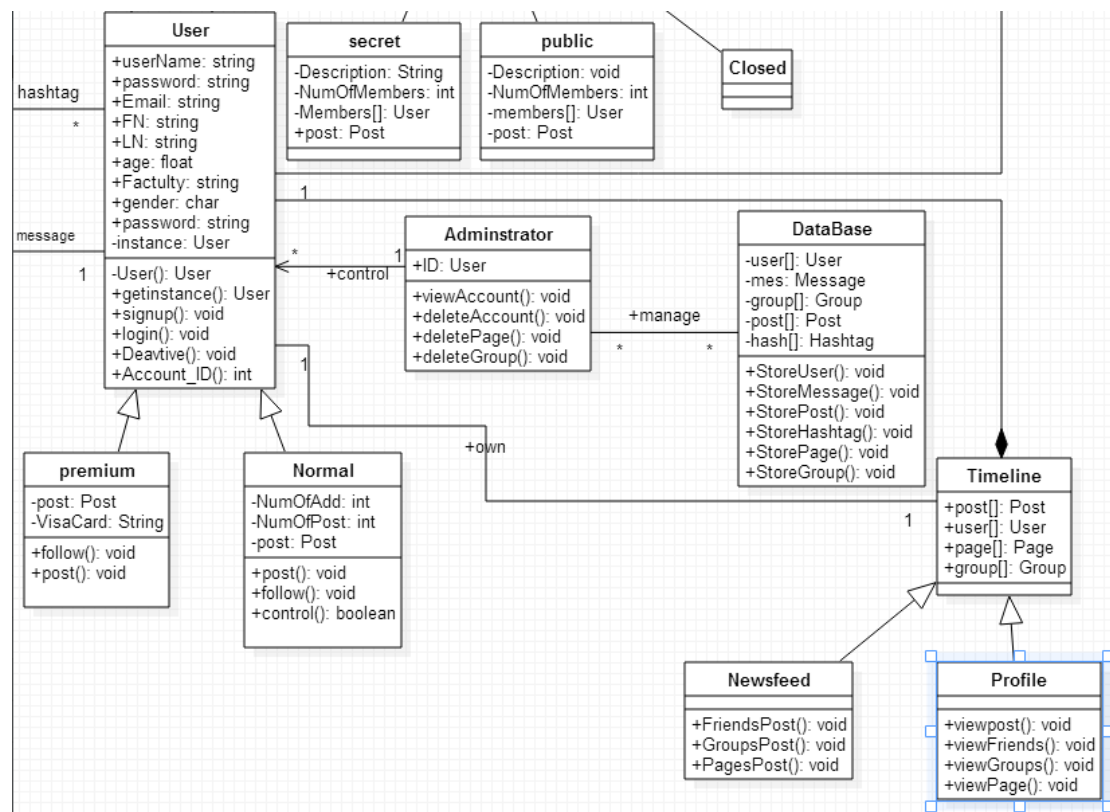




Class diagrams



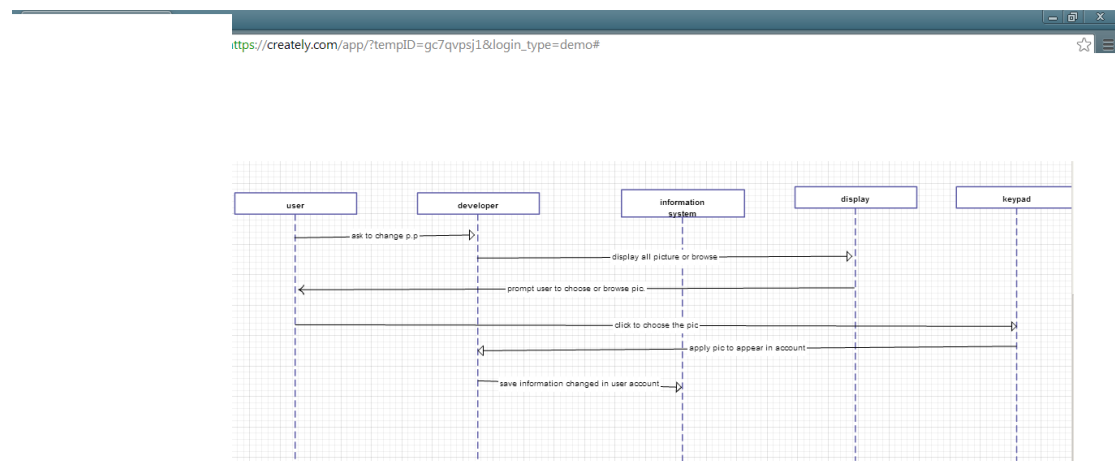


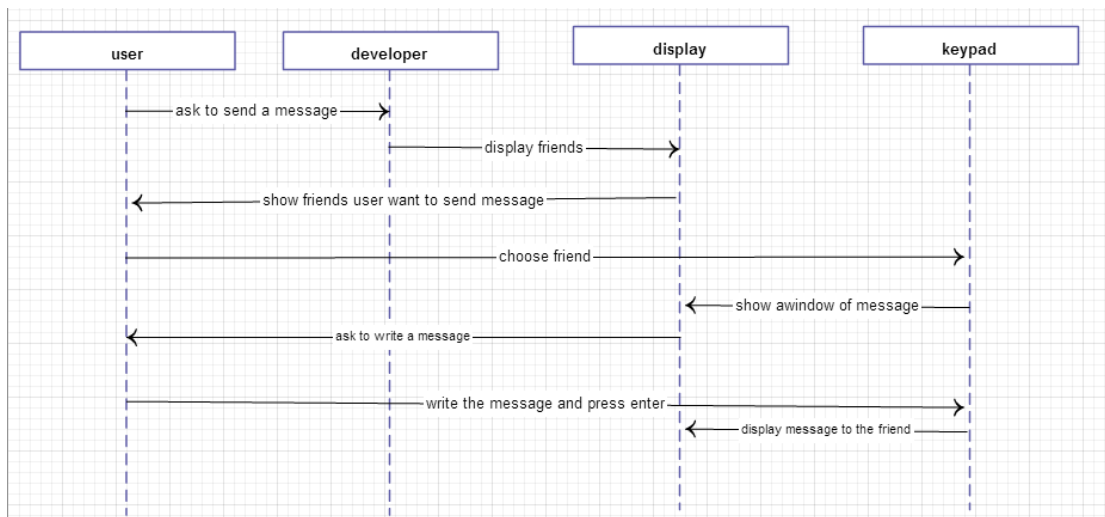
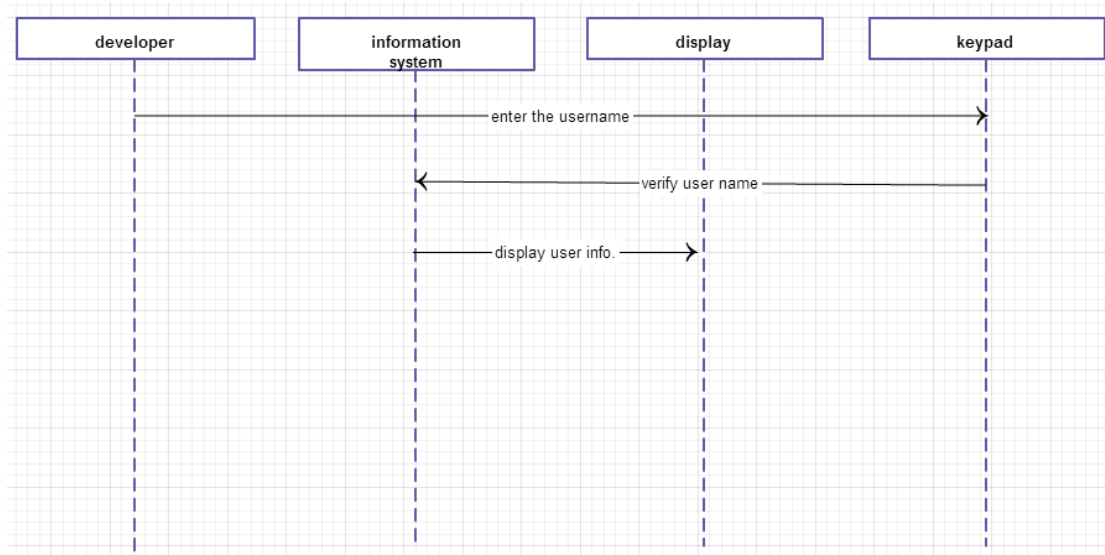


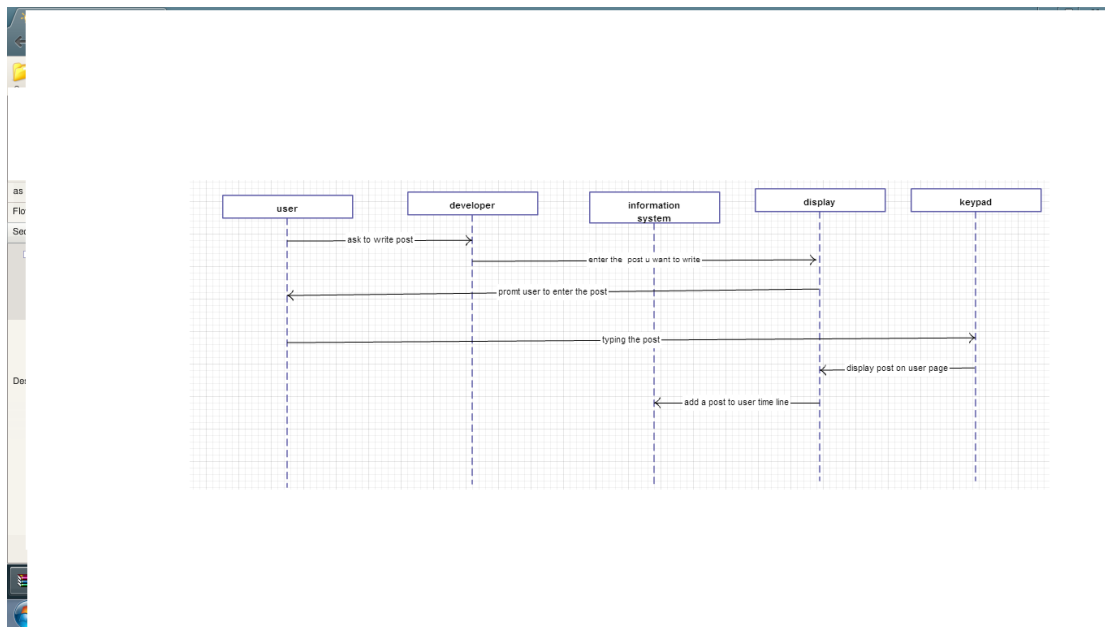
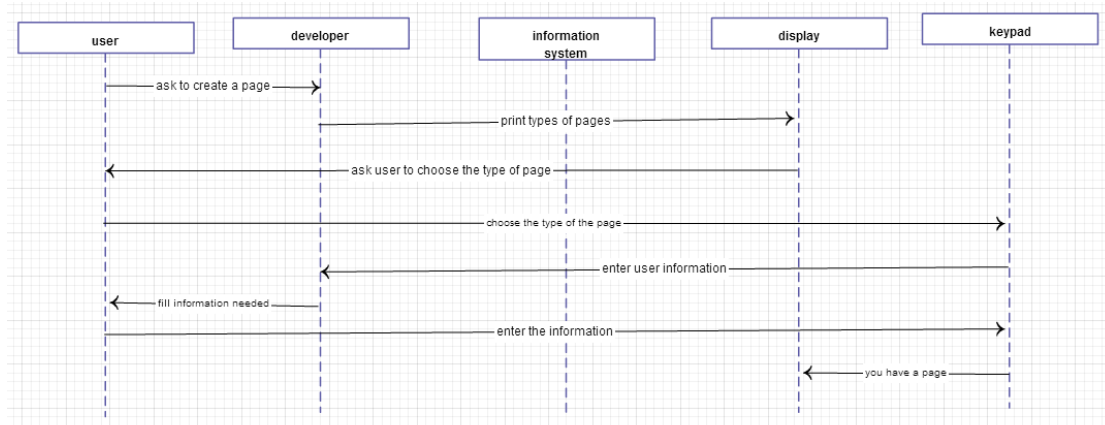
Class Name	Subsystem ID	Description
Post	1	User can write post.
UserPost	1	User can write post in his profile and friends can see it.
GroupPost	1	User can write post in joined group and members of group can see it
DecotarPost	1	For privacy of post.
Hashtag	2	It's like a conversation ,just the user write # and the hash statement with _ in his post.
Message	3	It's a conversation .
UserToUser	3	Between two users
UserToPage	3	Between user and specific page.
User	4	It's the main component of whole the system without this class there is no social network
normal	4	He has a limited function ,no money pay.
Premium	4	Has more function than normal because he pay an amount of money from time to time
Administrator	5	he manage whole the system.

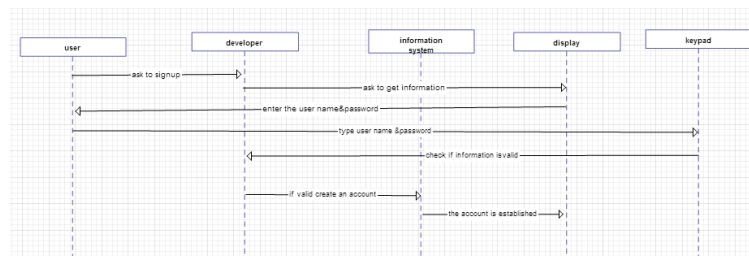
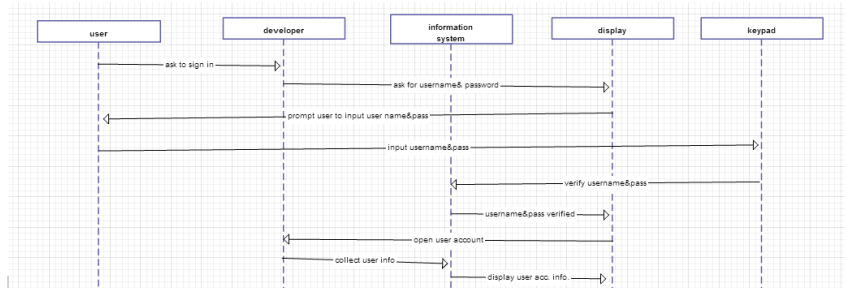
Database	5	Store all the record for any component in the system .
Timeline	6	It's divided to two component
profile	6	Shows the posts of specific user and his pages and groups
NewsFeed	6	Shows the posts of friends ,groups and page.
page	7	Users may need to create fan page for specific entity or product. It's the same idea as Facebook pages
Group	8	Divided according to its privacy.
Secret	8	No one outside this group can't see its posts.
public	8	Any one can see its posts
closed	8	No one can use it because its closed by the admin.

Sequence diagrams

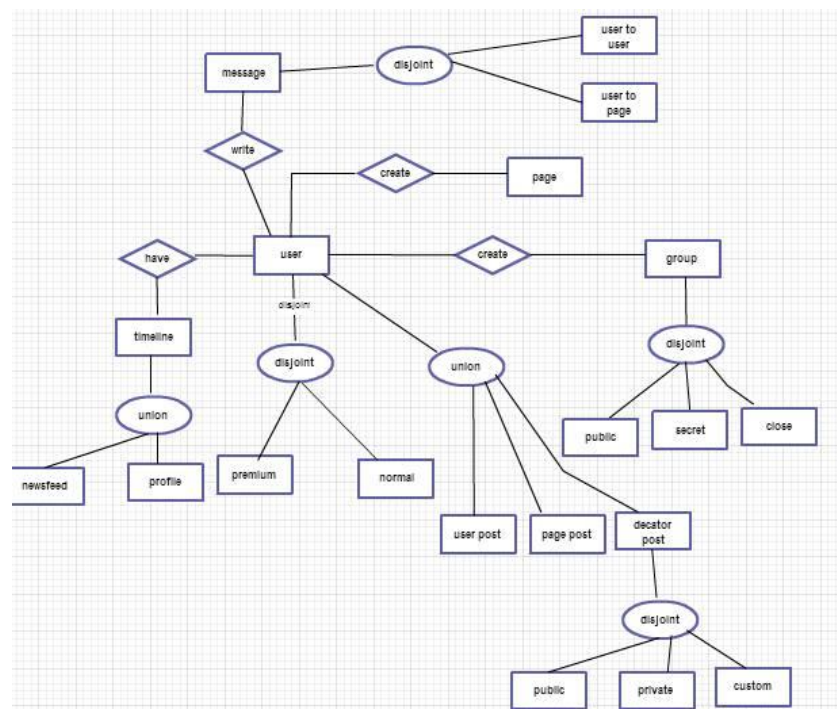








Physical Entity-Relationship Diagram



User Interface Design

A login form with three input fields and a login button. The first field is labeled "Your Name" and has a person icon. The second field is labeled "Your Email" and has an envelope icon. The third field is for a password, indicated by asterisks and a lock icon. Below the fields is a green button labeled "LOGIN" with a play icon.

Ownership Report

Item	Owner
Class Diagram and System Decomposition	Mahmoud El-sayed fateaha
Sequence Diagram and ERD	Mohamed Fathy Sayed