



# **CS251 – Software Engineering**



# CS251: Phase 2 – Mohamed Samir

## Project: <Social Network>

## Software Design Specification

### Team

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### Document Purpose and Audience

- **Purpose:** Is to provide high-level view of the architecture of our system, and on the interaction between the user and the system.
- **Audience:** This document is intended for both the users and the developers of the system.



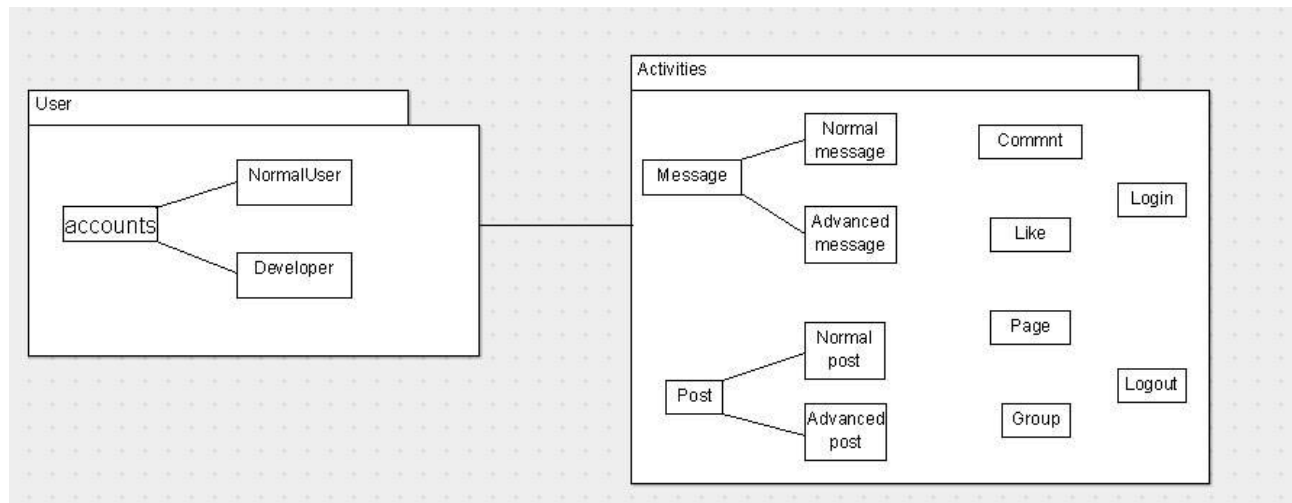
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### System Models

#### System Decomposition



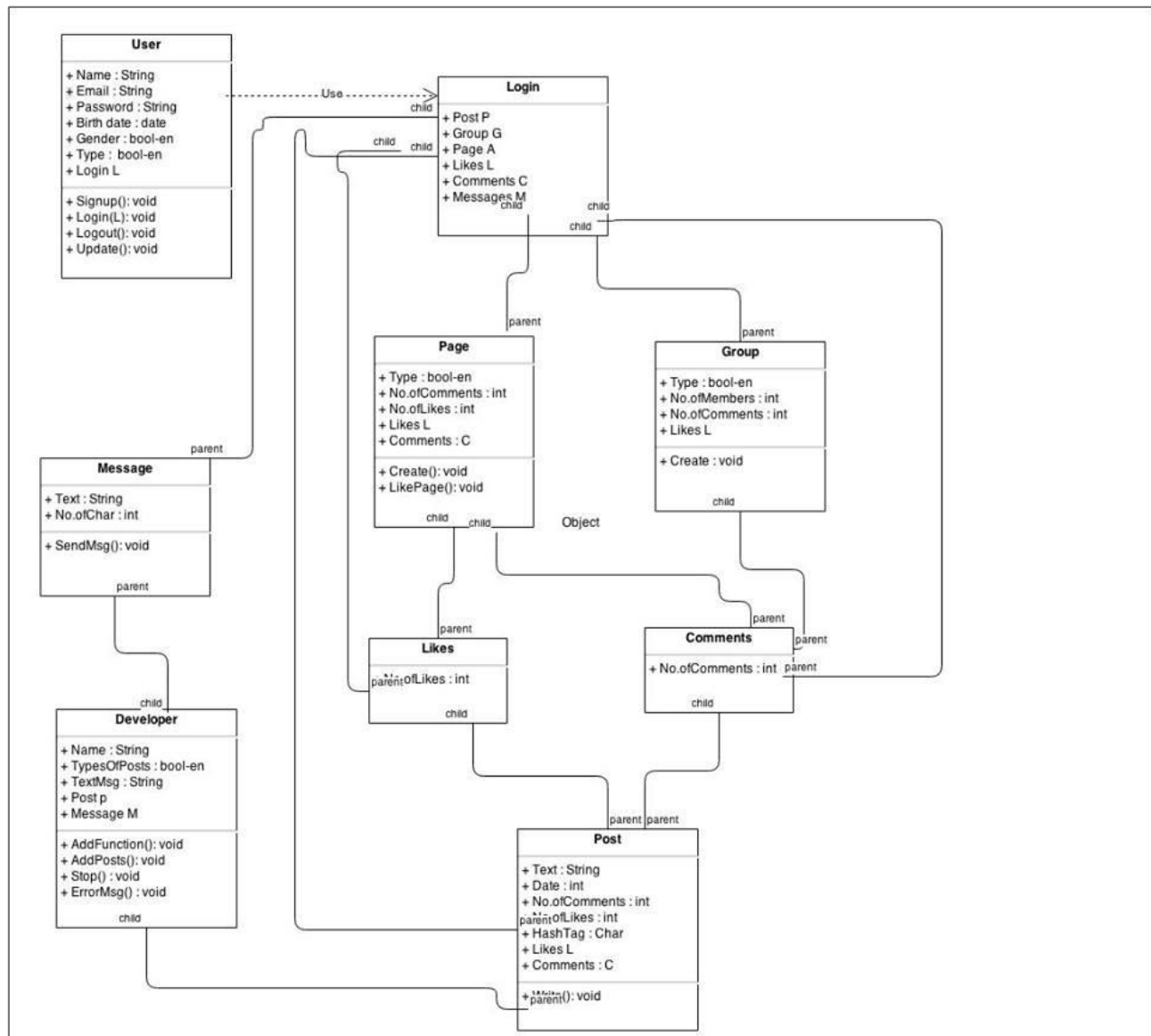


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### Class diagrams





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## Software Design Specification

Class ID	Class Name	Subsystem ID	Description
1	User	1	Class for user to signup, login, logout, and update.
2	Developer	1	Class for developer to add some features like add posts and error messages.
3	Post	1	Class to write a post.
4	Page	1	Class to like or create page.
5	Group	1	Class to create or join group.
6	Comment	1	Class to make comment.
7	Message	1	Class to send messages.
8	Likes	1	Class to make like.
9	Login	1	Class to login to your profile then you can post or like page...etc.

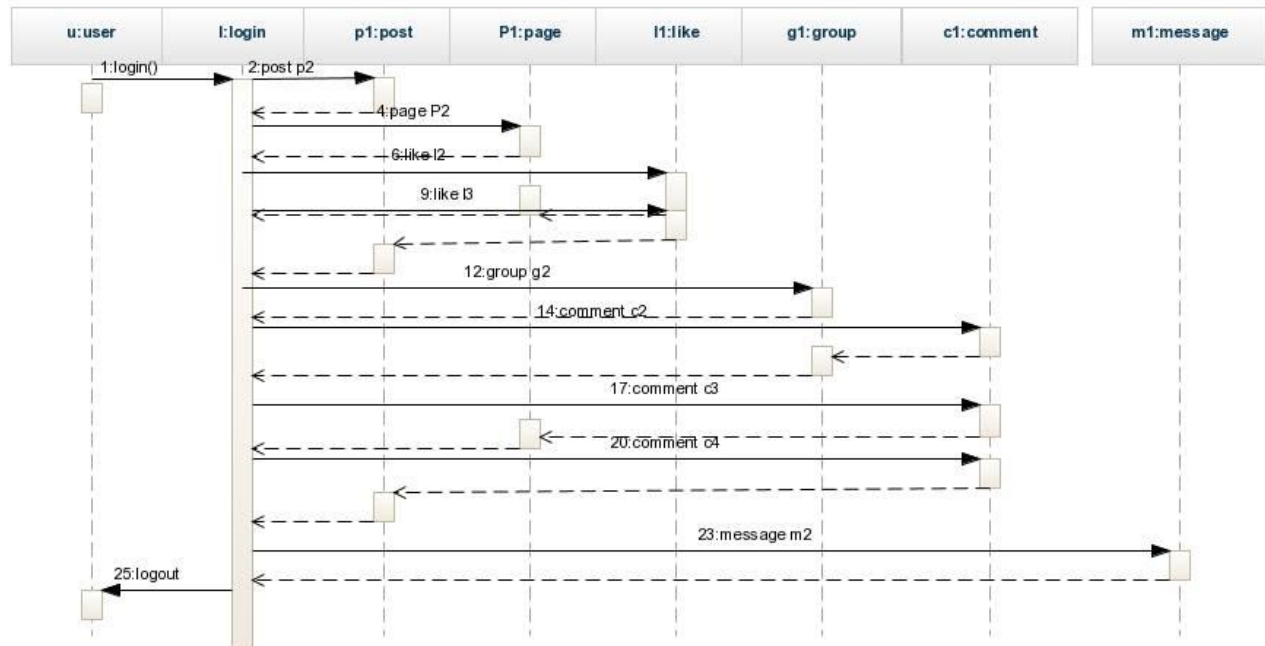


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### Sequence diagrams



### Class - Sequence Usage

Class Name	Sequence Diagrams	Overall used methods
user	1,25	Login, logout
login	2,3,4,5,6,8,9,11,12,13,14,16,17,19,20,22,23,24	
post	2,3,10,11,21,22	write
page	4,5,8,18,19	Create,Likepage
like	6,7,9,10	
group	12,13,16	Create
comment	14,15,17,18,20,21	SendMsg
message	23,24	

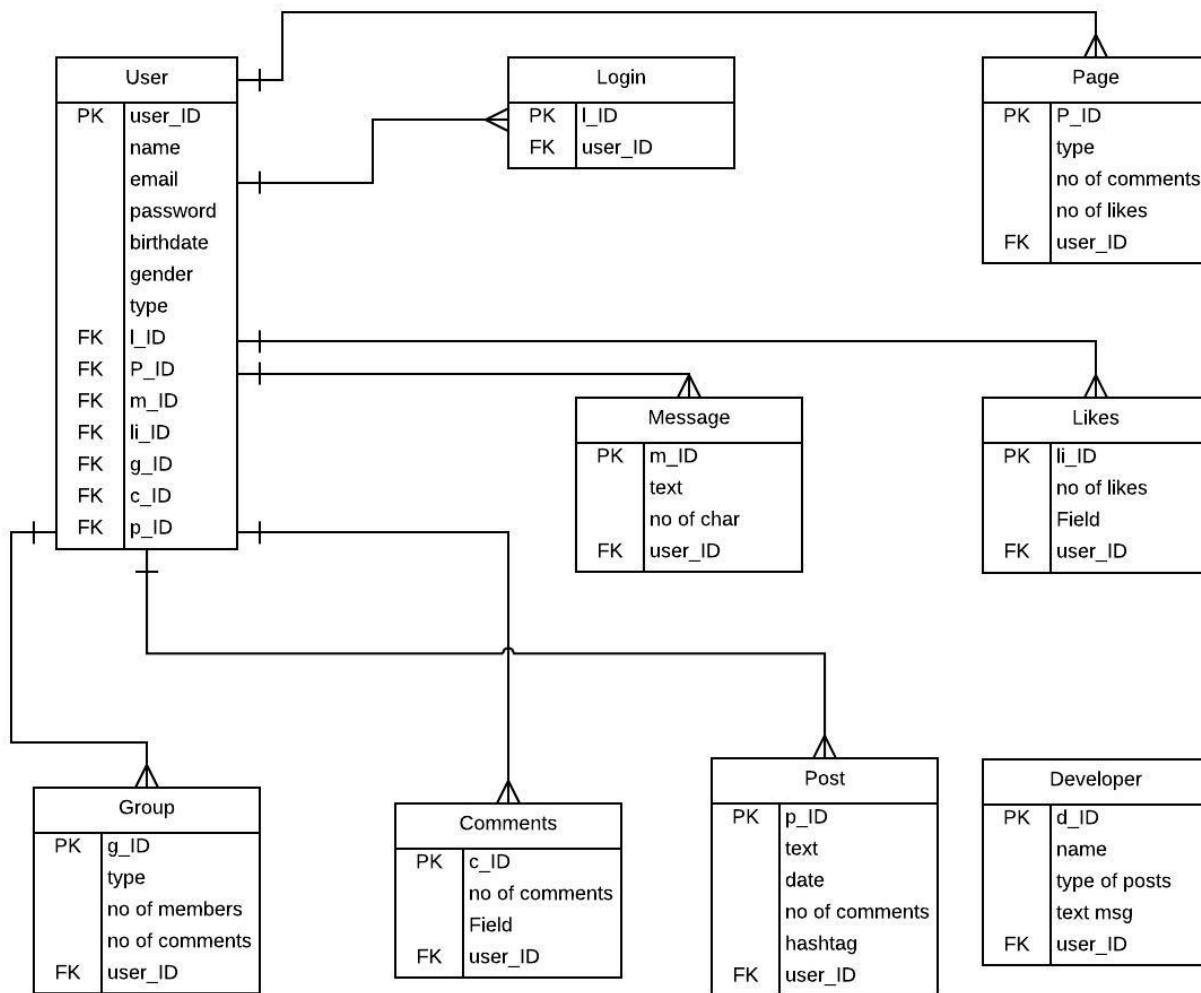


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### Physical Entity-Relationship Diagram





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### User Interface Design

#### Login Screen

username

password

Login

#### Sign Up Screen

name

password

birthdate

gender

email

Sign up