

**CS251 – Software Engineering I**

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# Team

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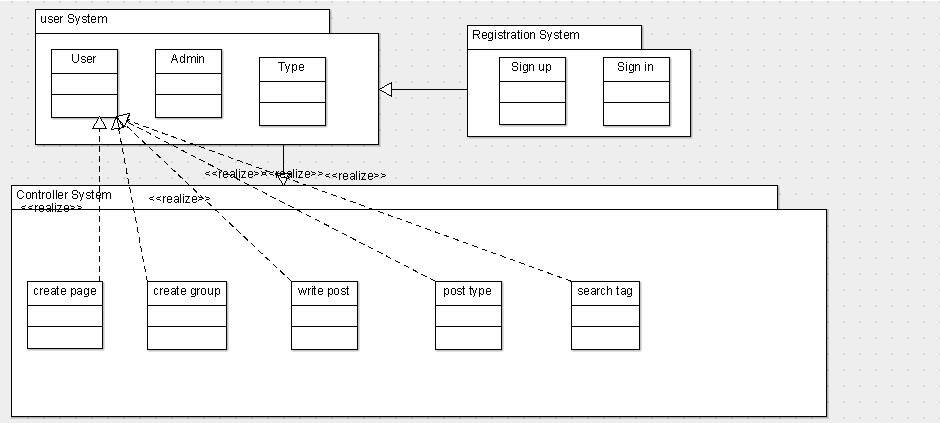
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# Document Purpose and Audience

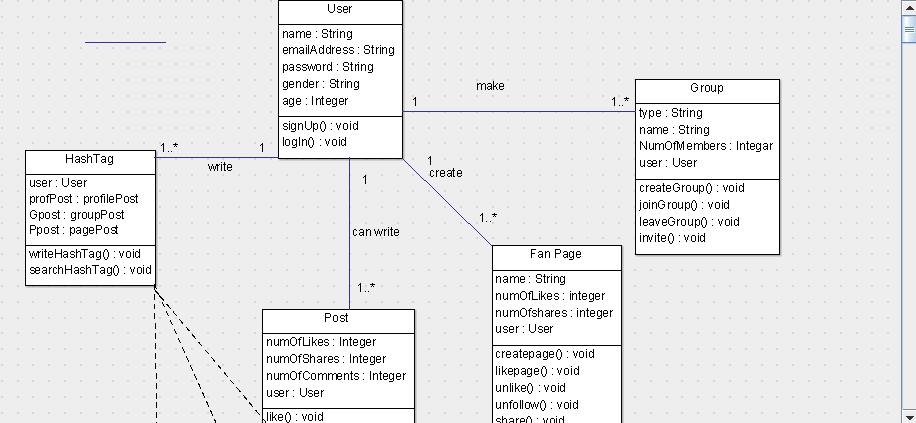
* This document is talking about the Design of how to develop back-end API for social network something like Facebook API and this document will give a Class diagrams, System Decomposition , User Interface to describe our system and make it has reliability maintainability ,reusability and flexibility to understand it.
* Our audience are project owner, project manager, clients.

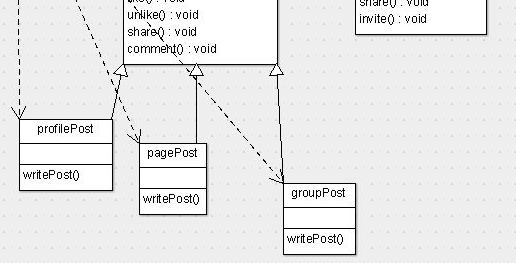
# System Models

## System Decomposition

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## Class diagrams

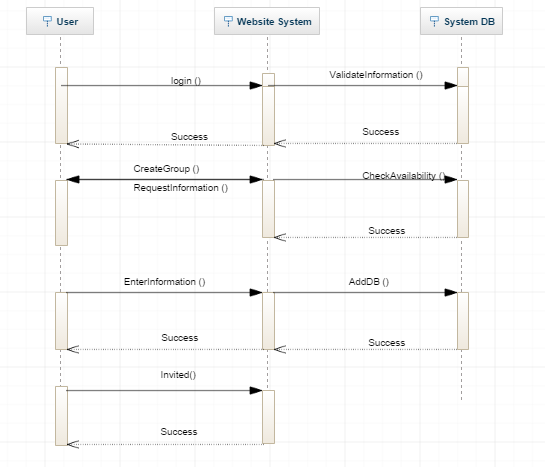
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| **Class ID** | **Class Name** | **Subsystem ID** | **Description** |
| --- | --- | --- | --- |
|  |  |  |  |

## 

## Sequence diagrams

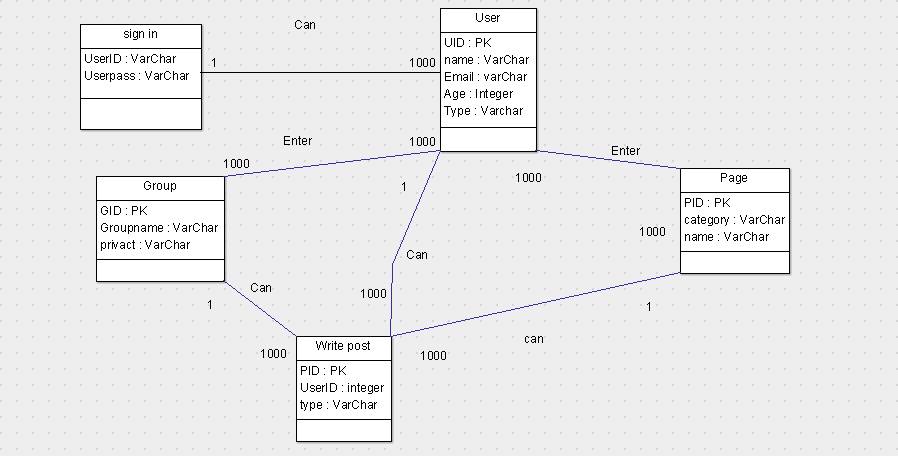


### Class - Sequence Usage

| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| --- | --- | --- |
| User | 1,5,9,13 | Login(),CreateGroup(),EnterDetails(),  Invited() |
| Website System | 2,6,10,14 | ValidateInformation(),checkAvailibiltiy(),AddInfromation() |

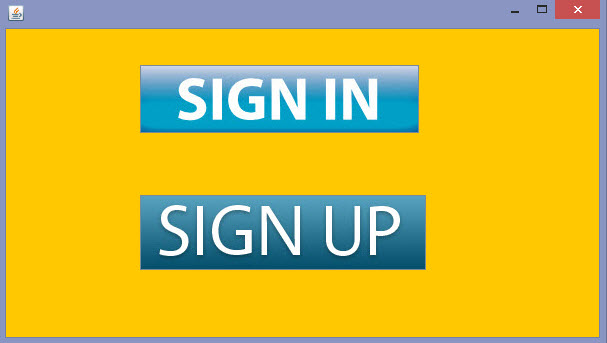
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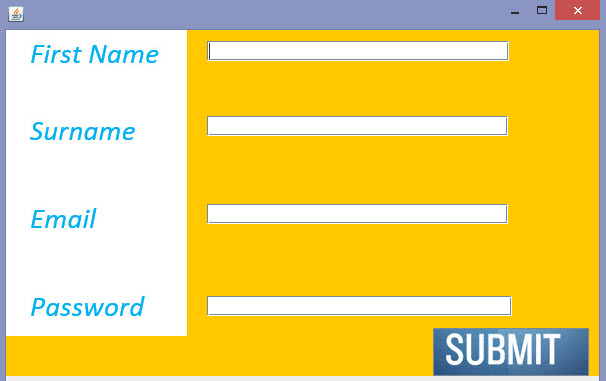
## Physical Entity-Relationship Diagram

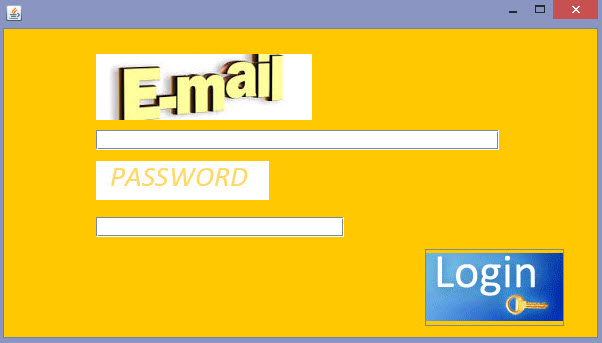


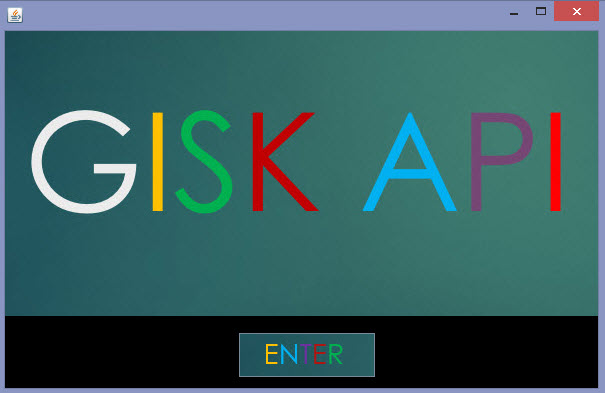
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## User Interface Design









# Ownership Report

|  |  |
| --- | --- |
| **Item** | **Owners** |
| Sequence diagram | *Ahmed Idris Elsedeek Mohamed*  *20120007* |
| Physical Entity-Relationship Diagram | *Ahmed Idris Elsedeek Mohamed*  *20120011* |
| User Interface Design | *Ahmed Gamal Ahmed*  *20120015* |
| Class diagramsSystem Decomposition | *Khaled Mahmoud Youssef*  *20120164*  *Team* |