Cairo University  
Faculty of Computers and Information



**CS251**

**Software Engineering I**

**2alak feen** فِيَنَّ قَالَكَ

**Software Design**

**Phobia**

**3/12/2015**

Contents

[Team 3](#_Toc435127351)

[Document Purpose and Audience 4](#_Toc435127352)

[System Models 4](#_Toc435127353)

[I. System Decomposition 4](#_Toc435127354)

[II. Class diagrams 5](#_Toc435127355)

[III. Sequence diagrams 7](#_Toc435127356)

[IV. Physical Entity-Relationship Diagram 13](#_Toc435127357)

[V. User Interface Design 14](#_Toc435127358)

[16](#_Toc435127359)

[VI. Bonus: State Diagram and OCL 17](#_Toc435127360)

[Ownership Report 17](#_Toc435127361)

# Team

|  |  |  |  |
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# Document Purpose and Audience

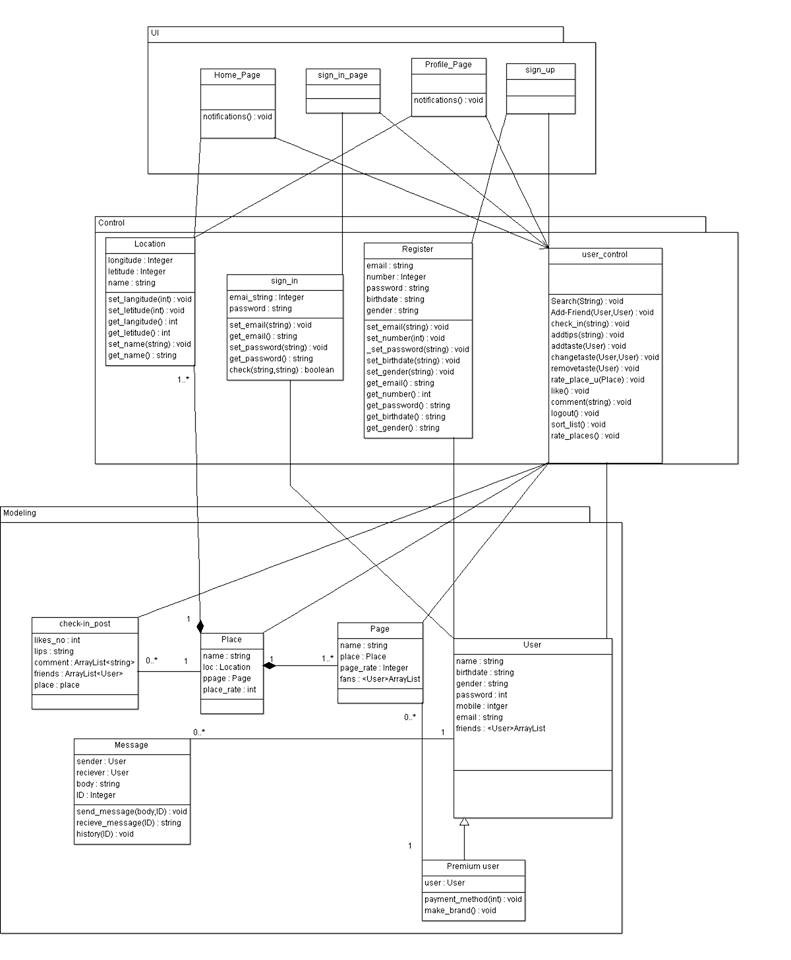
This document is Software Design specification for 2alak feen system.

Customer must read this document.

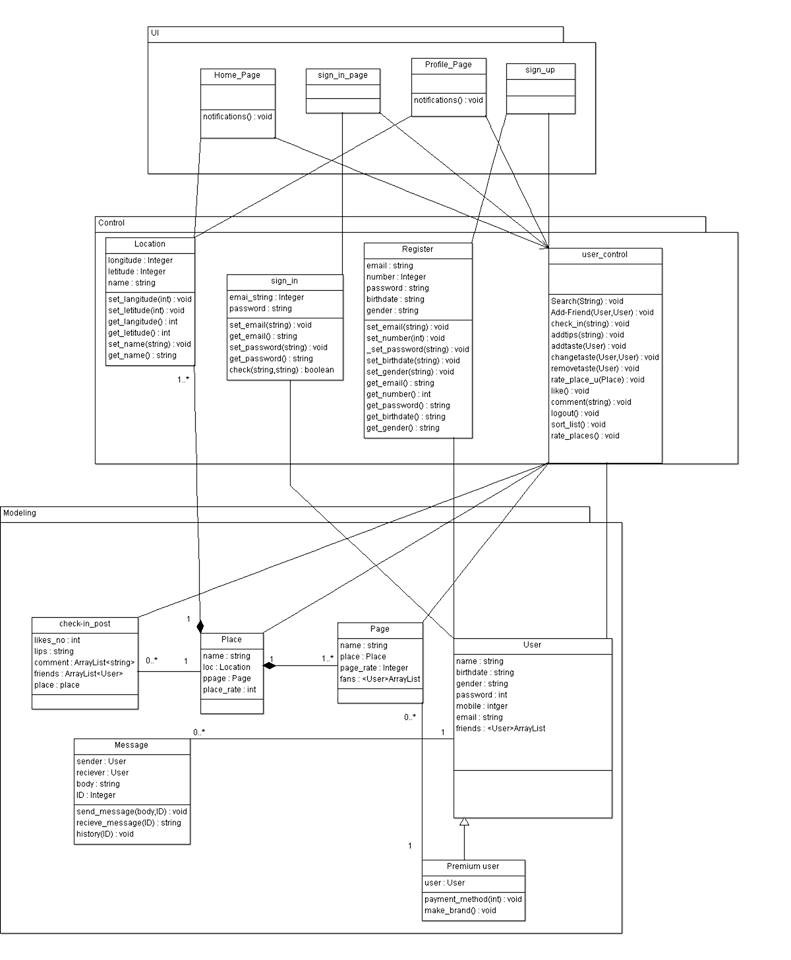
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# System Models

## System Decomposition

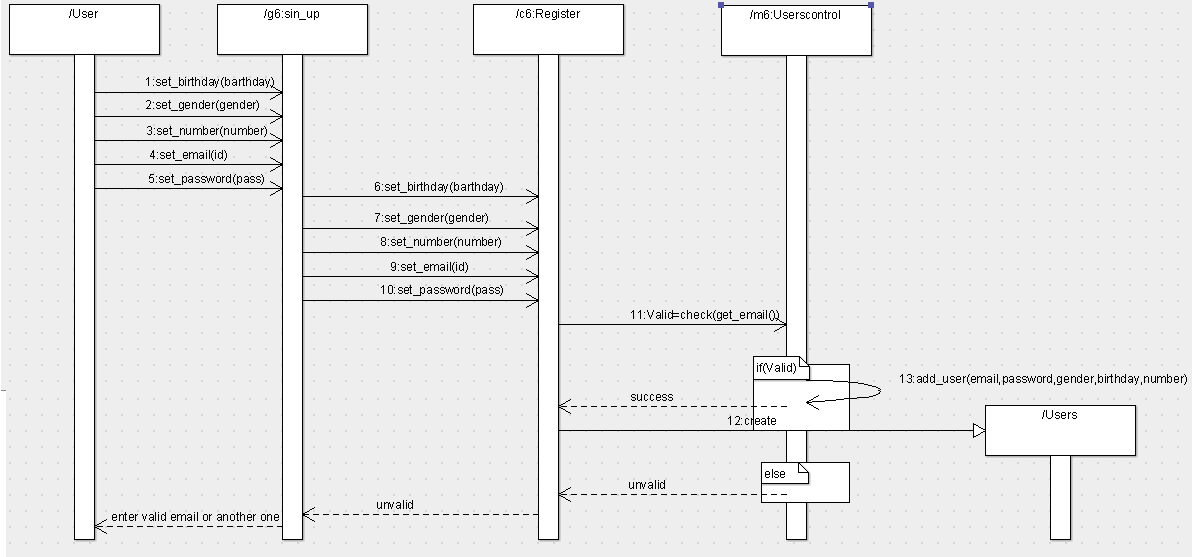


## Class diagrams

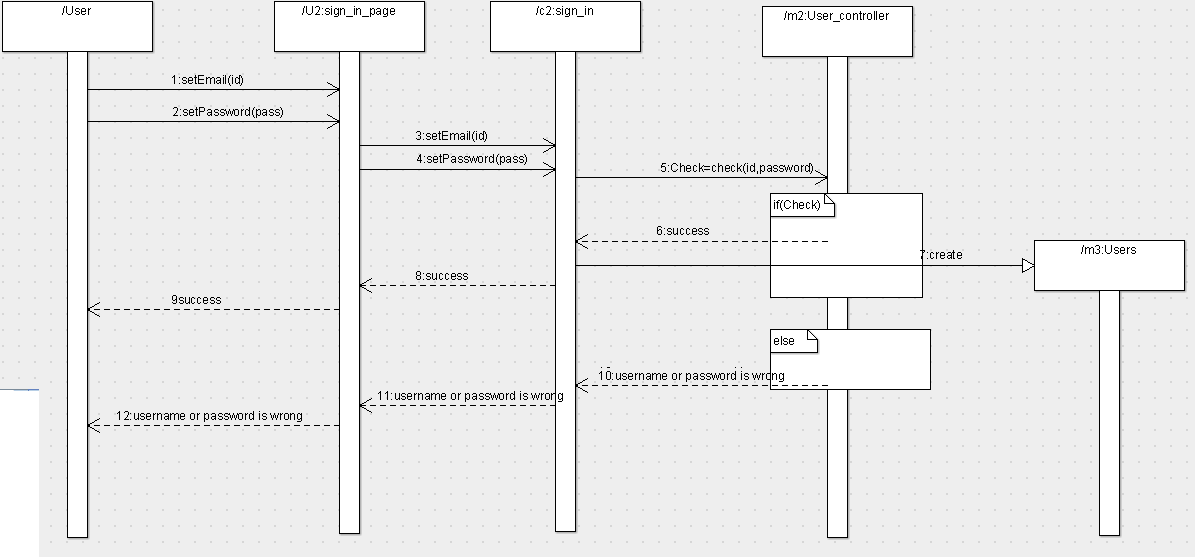


| **Class ID** | **Class Name** | **Subsystem ID** | **Description & Responsibility** |
| --- | --- | --- | --- |
| S1 | Sing\_up | UI1 | interface for sign up |
| U1 | User | Modellig1 | Users Data base |
| UC1 | User\_controller | Controller1 | Sinup ,users,login,logout, Usrers,  Search for people or places,addtips,add tastes |
| U2 | Premium\_user | Users1 | This for users who pay money to make brand |
| P1 | Page | Modelling1 | Move between pages and create them |
| Pl1 | Place | Modelling1 | Create places and rate this place |
| Loc1 | Location | Controller1 | Keep longitude and latitude of the place |
| Sin1 | Sin\_in | Controller1 | Take email and password from user and check if he has authentications to log in or not if he has he go to his home page |
| Msg1 | Message | Modelling1 | Manage message between users and group chating(send message ,receive message) and show all your sent message |
| Sin2 | Sin\_in\_page | Ui1 | Interface for sin in allow user enter his add and password |
| Profile1 | Profile\_page | UI1 | Interface for profile page allow user to see his tips ,see his friends and removing any one of them |
| Home1 | Home\_page | UI1 | Interface home page .user can see places and check in of his friends |
| Reg1 | Register | Controller1 | For new users(sign up) take email, password , mobile number, gender and birthday and create new account |

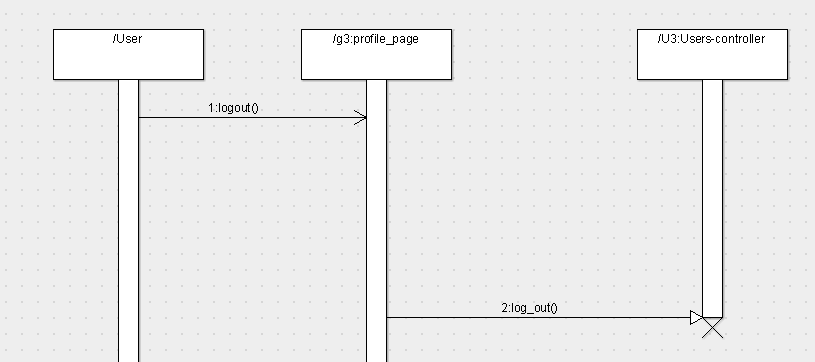
## III. Sequence diagrams

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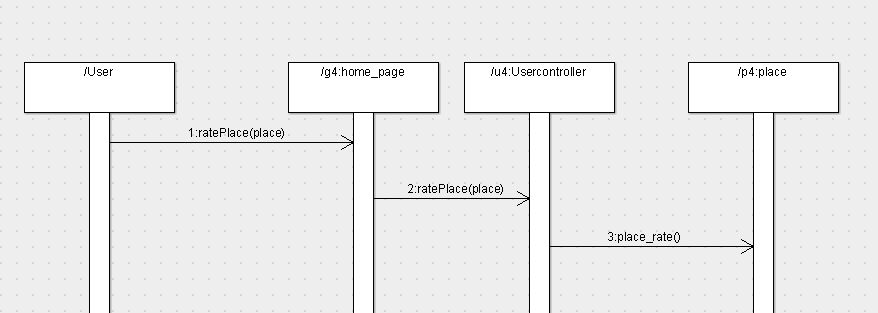
| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| --- | --- | --- |
| Sin\_up | 1,2,3,4,5 | Take birthday,gender,email,mobile number and password from user  GUI |
| Register | 6,7,8,9,10 | Take birthday,gender,email,mobile number and password from user  Controller |
| User\_controll | 11,12 | Check if the email is valid or not if it is create new user(account) else return a statement to user to enter valid email |
| User | 13 | Add this data to data base |

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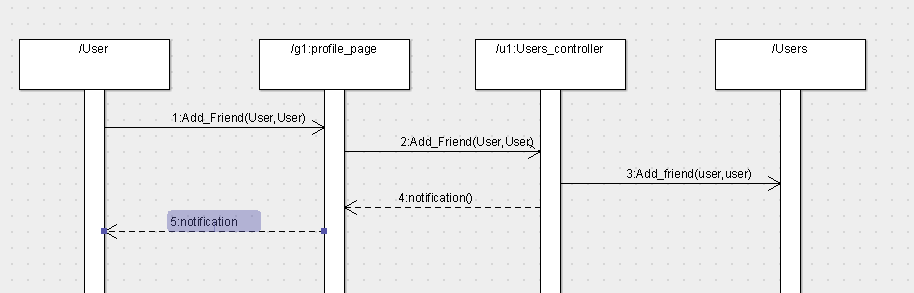
| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| --- | --- | --- |
| Sign\_in\_page | 1,2 | Take email and password from user  GUI |
| Sign\_in | 3,4 | Take email and password from user  Controller |
| Users\_controller | 5,7 | Check if its right id and password call this account(create user) |

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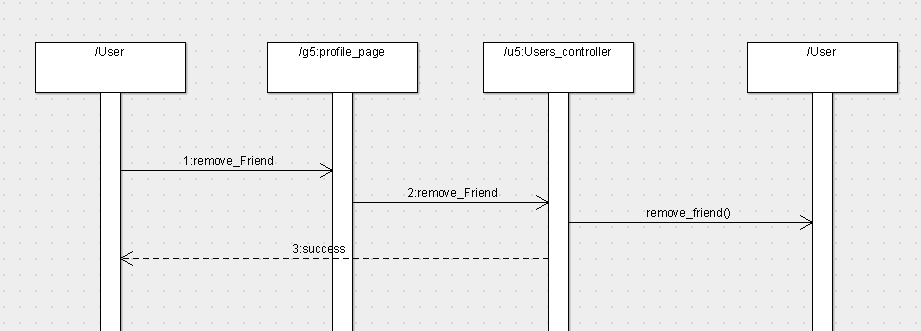
| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| --- | --- | --- |
| GUI | 1 | Interface (click log out) |
| User\_controller | 2 | Quite from this account |

****

| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| --- | --- | --- |
| GUI | 1 | Click on rate place |
| User\_controller | 2 | Calculate rate of this place from all users |
| Place | 3 | Store this value in the data base |

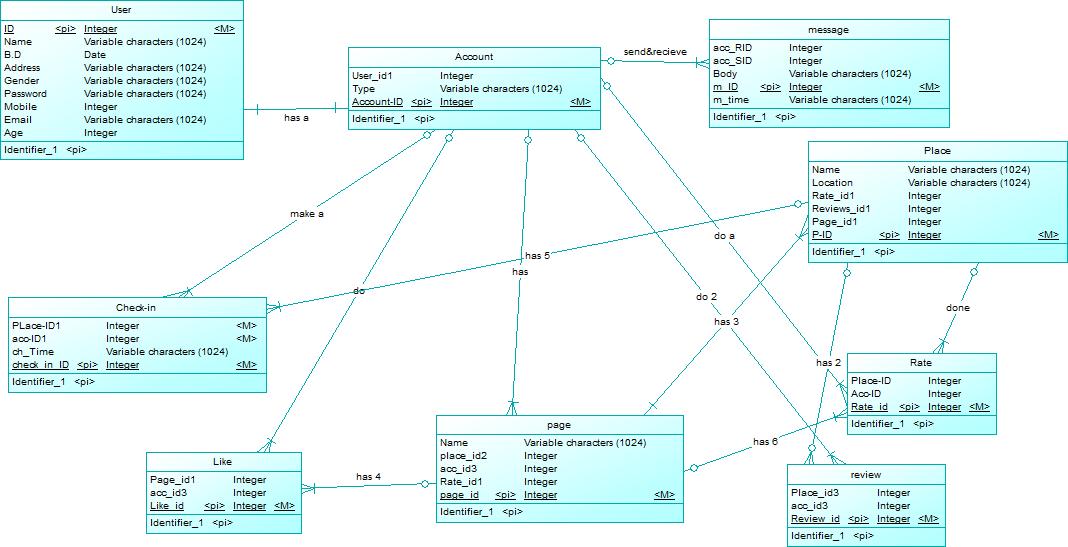


| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| --- | --- | --- |
| Profile\_page | 1 | Click on add friend |
| Users\_controller | 2 | Add this friend to user friend list and vis versa and push notification to another user |
| User | 3 | Add this friend to data base |

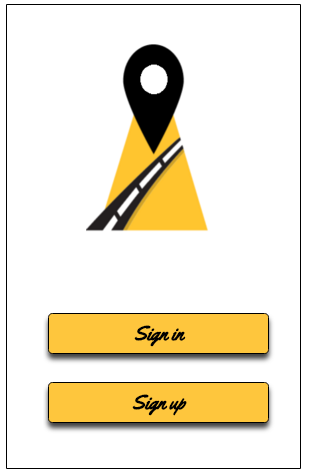
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| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| --- | --- | --- |
| Profile\_page | 1 | Click on remove friend |
| Users\_controller | 2 | Remove friend from his friend list |
| User | 3 | Remove from data base |

## IV. Physical Entity-Relationship Diagram



## V. User Interface Design





## 

## VI. Bonus: State Diagram and OCL

# Ownership Report

|  |  |
| --- | --- |
| **Item** | **Owners** |
| System decomposition - ERD | *20130062* |
| UI – Class diagram | *20130043* |
| Sequence diagrams | *20130034* |

https://github.com/ahmedsalamay/2olyFeen