

Group name: ALPHA

Group members: 1. Aktaruzzaman Ridoy (F16040112)
2. Fabiha Tafannum (F16040113)
3. Md. Nazim Uddin Nayim (F16040114)
4. Md. Jahidul Kabir (F16040117)
5. Golam Jilany Rayhan (F16040102)

Software Requirements Specification

Project name: Student Registration

Product description:

In our proposal project, we have already described about our software which is basically a student registration system for the students. We can expect that, any types of educational institution can use it to register their student information. It is such a software that a student can be one of the admins by himself by entering his mail and password. So it is of course beneficial for a student to change any of his data whenever he wants; he even won't have to ask the main official admin to do so as he can make himself an admin of this software. So we think it can be different from the others.

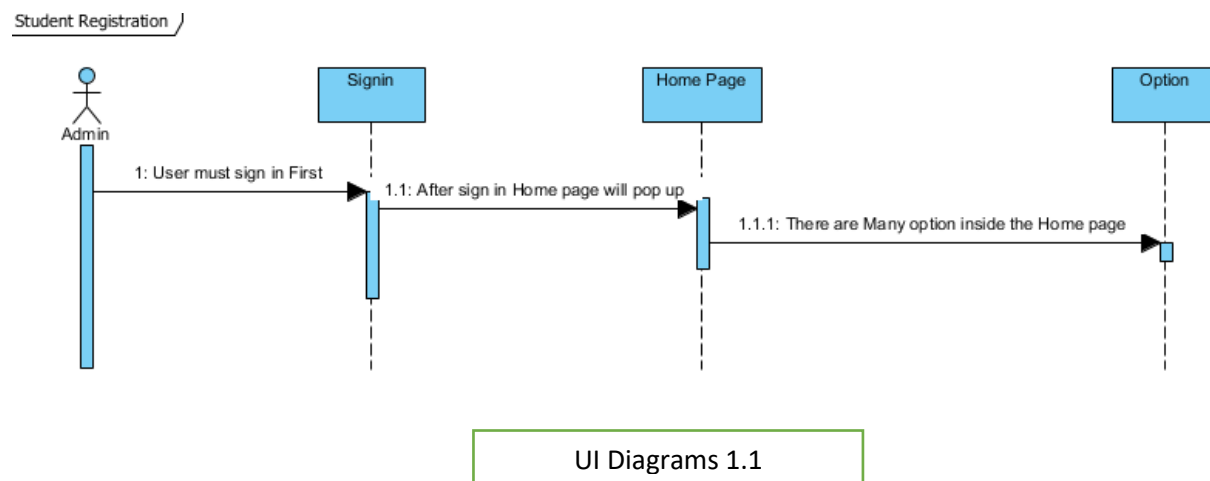
The major features of our software's are given below.

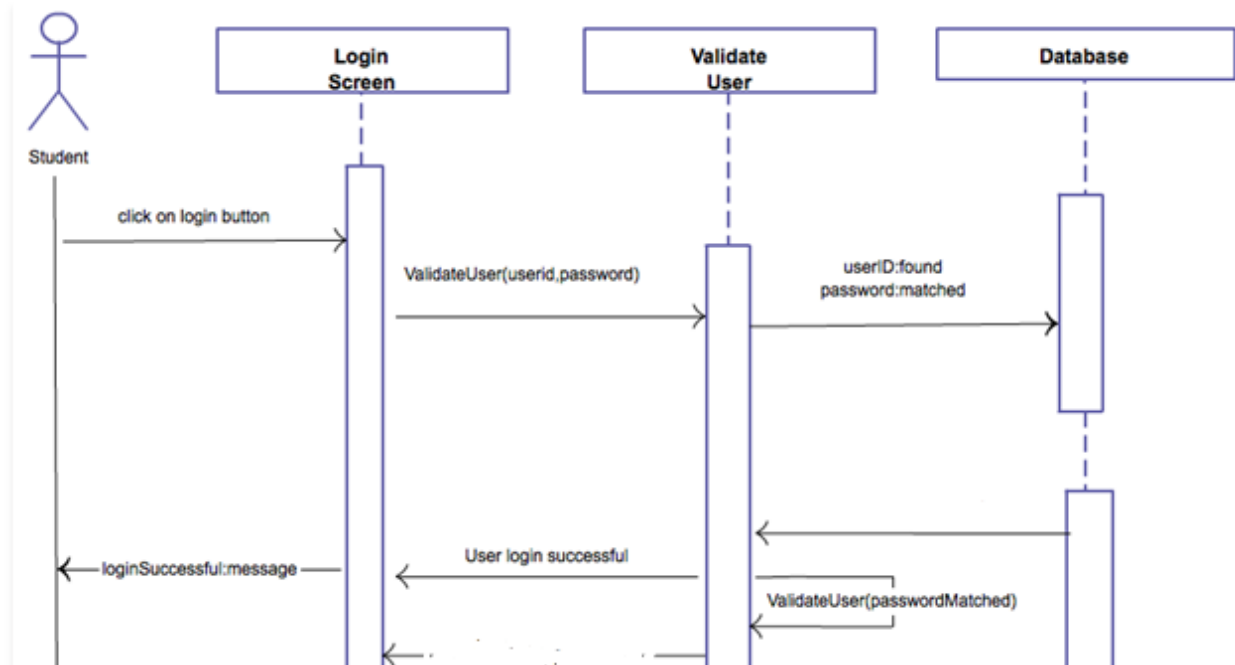
- Any student's information will be saved as database and anytime the admins and even users can also see the data what will be input there.
- Student can Search his/her information by using his/her ID.
- If necessary information can be updated.
- In our software there is an option which is “**show students**” where all the information of students can be seen in a table.

UI diagrams:

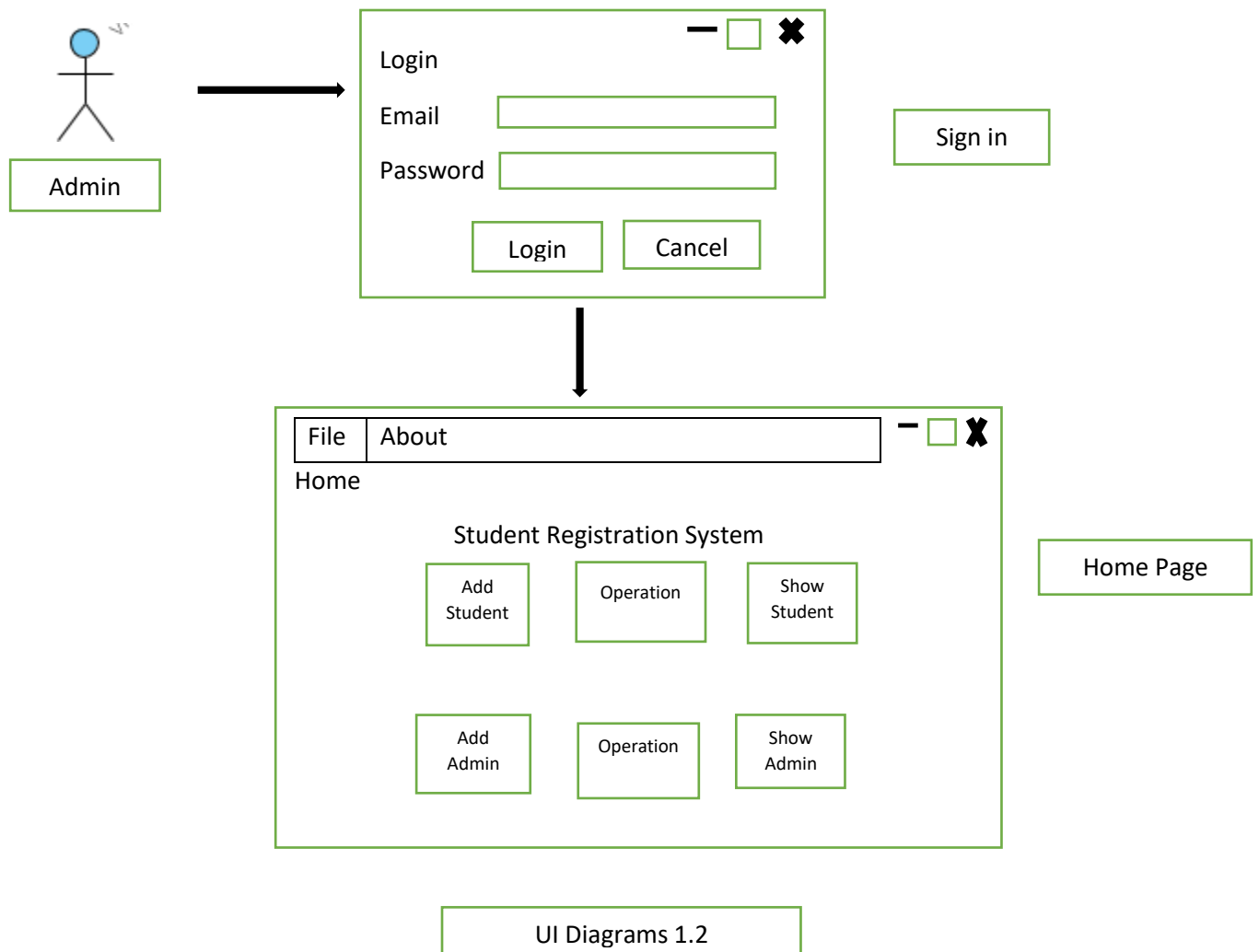
UI Diagrams of our Software are given below.

In our first diagram (UI Diagrams 1.1) we just tried to give a basic idea about our software.

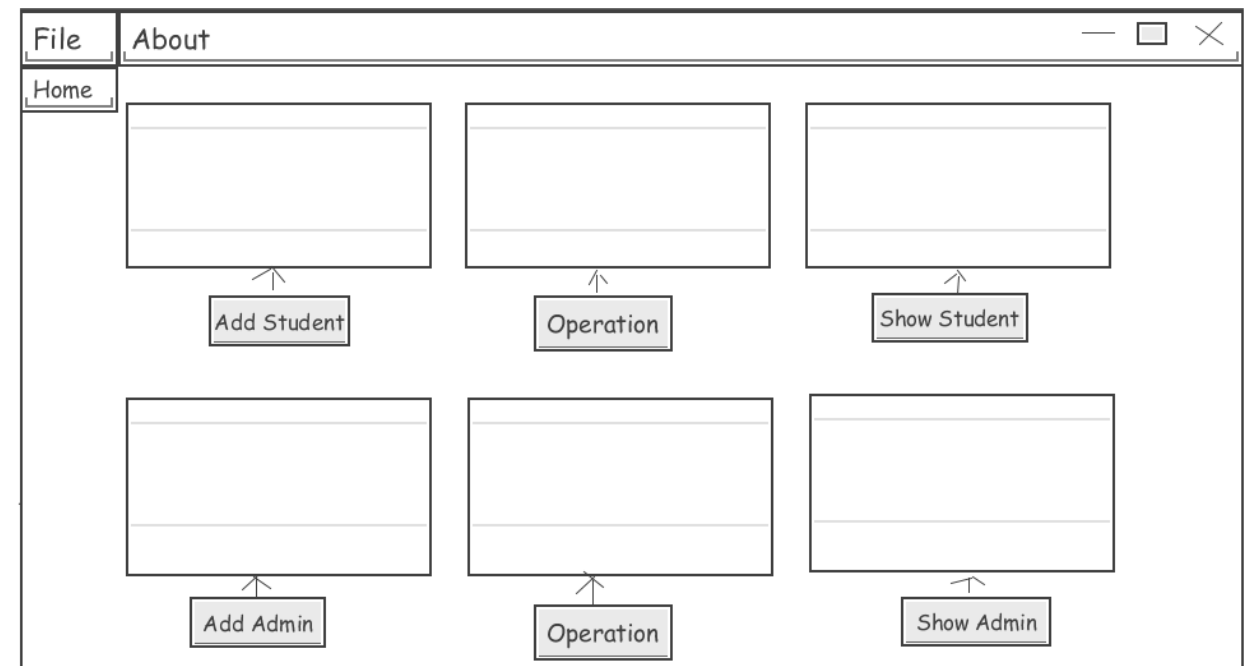




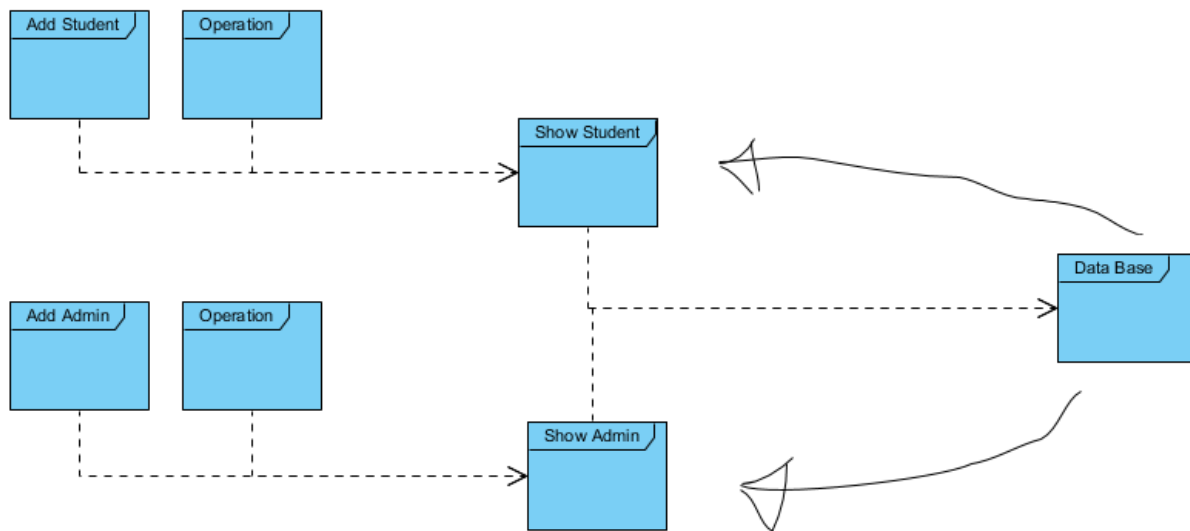
And, in the following diagram (UI Diagrams 1.2) we tried to show it elaborately, how actually our software will be looks like.



And after clicking each Options a new window will pop-up, like as shown in below.



And in the following diagram (UI Diagrams 1.3) we tried to show relation between our Software and Database connection. Like if we put any information inside our Software's Option (Add student, Operation, Add admin, Operation) it will save in our data- base and if we want can retrieve the data from database.



UI Diagrams 1.3

Use cases:

- The user enters the mail and password and chooses if the user is student or administrator. If entered details are valid, the user's account becomes available. If it is invalid and an appropriate message is displayed to the user.
- The User added his/her information, now he/she needs to search it, if he/she put the correct id in search box all the information will be shown instantly.
- Somehow the user needs to update the information, like recently he has changed his phone number and he wants to update his phone number's information to the registration

system in this case he/she can easily update his/her information.

Primary and Secondary Actors

Φ Primary Actors

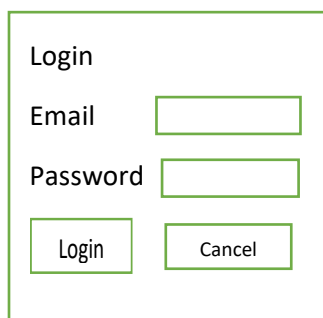
- Actors who initiate a scenario (use case) causing the system to achieve a goal
- Automated registration system example the “student or admin” is a primary actor.

Φ Secondary Actors

- Actors supporting the system so primary users goals can be completed.
- Automated registration system example the registration “data base” is a secondary actor.

Main Success Scenario

<u>Step</u>	<u>Actor</u>	<u>Action Description</u>
1	System	The login box pops up. The following
-		fields are available



Login

Email

Password

- Email
- Password
- Login
- Cancel

The login box provides the Register Option.

- | | | |
|---|--------|--|
| 2 | User | User enters Email, Password and press login |
| - | | Option. |
| 3 | System | Login page disappears and Home page pops up. |

Scenario Extensions

<u>Step</u>	<u>Actor</u>	<u>Action Description</u>
2a	User types wrong	The popup window says “email or
-	Email or Password	password is wrong “.

Process:

Software Toolset:

The Software Toolset that we will use here in our project are given below-

1. Language: JAVA
2. Toolkits: JDK (Java Development Kit)
IDE (NetBeans)
ICO converter (to convert image into icon)
3. Launch4j

4. Xampp (for the Database)

5. mysql-connector-java-5.1.43

We are familiar with java because in the last semester we did java course. That's why in this project we are using java language. And we are also familiar with those software Toolset that already mentioned on top.

Group Dynamics:

Project Manager: AKTARUZZAMAN RIDOY

In our project every group member will contribute equally.

Role1: Some of us will handle the coding part.

Role2: Some of us will look after is there any error are occurring when others are doing Coding? If any error is occurs then, he/she will try to find out how to solve that problem by “google” it, or in any others way.

Role3: Some of us will write the project that we have to submit in GitHub.