

# **SUNY Korea Community:**

# **Software Requirements**

# **Specification**

## **Team Members:**

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# **1. Introduction**

## **1.1. Product description**

Many new students have a problem finding information about their colleges including SUNY Korea. After being a SUNY Korea student for two years, I felt the absence of the school community among SUNY Korea students, because of this, I was not able to know which courses by which professors are better. This inconvenience disturbed me to choose classes to take.

SUNY Korea Community(Not finalized name) is a web application designed to help communication between SUNY Korea students, and manage their timetable.

- Ability to create timetable and add courses by their course number
- Ability to view and create the review of professors
- Ability to share the timetable with their friends

## **1.2. Scope**

This product is to support students to make decisions for which courses they should take. Product will not suggest any information or opinions to users directly. Our product is to give only the public opinion. Our data collection will not be connected to the SBU system to get a grade they got, but all information should be given when they are volunteering.

The product will be running on Chrome and a range of devices will be smartphone(Android and iOS), and desktop(Chrome).

## **1.3. Users**

The product's primary users are SUNY Korea students including SBU and FIT, who want to get information about professors and courses, and use and share their timetable. Since our users are college students, we are expecting them to be familiar with the common user interface.

Currently, we are limiting our target to SUNY Korea because of our workload, but various users will be using it.

#### **1.4. User feedback**

We got feedback from professors. These are:

1. Indication where the users are very weak.
2. The input of reviews are not explicitly explained.
3. There are possible factors that we can monetize.

For these feedbacks, we noticed that it was the fault of our mockup process. We tried to think and make it look perfect, but we never thought in the way of the new users. Therefore, the change of the mockup was inevitable. For the first feedback, we changed our mockup to indicate what page they are in. Secondly, we changed the text explanation to be more descriptive on “Write review” page. For the third one, we are trying to think whether the monetization could be a moral hazard, but it is definite that we need a business model.

#### **1.5 Existing Alternative**

There are existing alternative apps which are Everytime, RatemyProfessor, and Campus-pick. The Everytime application handles the timetable and community service, and the RateMyProfessor website shows reviews of the professors. However, when we use timetable service in Everytime, we have to type every single class name, classroom, and instructor manually. Also, there are no reviews of professors from SUNY Korea in the RateMyProfessor. Therefore, we try to make a website that don't need to type all the information about the class to add timetable. Also, we are going to provide professor review for SUNY Korea students.

#### **1.6 Definition**

No special word.

#### **1.7 References**

[https://www.figma.com/file/gYfUOC8VJASMSwOnGk7pZf/CSE416\\_Protoype?node-id=0%3A1&t=AfgzczaCEki2VnD3-1](https://www.figma.com/file/gYfUOC8VJASMSwOnGk7pZf/CSE416_Protoype?node-id=0%3A1&t=AfgzczaCEki2VnD3-1)

<https://phdkim.net/>

<https://everytime.kr/>

<https://www.kakaocorp.com/page/service/service/KakaoTalk?lang=en>

<https://www.ratemyprofessors.com/>

## **2. Requirements**

### **2.1 Functional Requirements**

#### Common Interface

- Must Level
  - Function to “Register”
  - Function to “Log in”
  - Function to “Log out”
  - Function to “View the review of professors”
- Should Level
  - Function to “Edit its profile”
    - Editing user Id or email should require more authentication process.
    - This includes almost every information of its information such as email, id, pwd, and email

#### Common Users

- Must Level
  - Function to “add courses to their table”
    - This automatically adds the designated chatroom
  - Function to “edit or remove courses on their timetable”
    - This automatically edit or remove the designated chatroom
  - Function to “leave and remove(edit) a review for professors”
  - ~~- Function to “message and view of the chatroom”~~
- Should Level
  - Function to “add friends by userid”
  - Function to “view the friends’ timetables”
  - Function to “find the course by its information”

#### Faculty

- Must Level
  - Function to “request to remove the reviews”
    - This is limited to only when students leave an insulting message which is not beneficial to the community.
    - Too many frequent and unreasonable requests will cause a ban from this system, but they should be able to contact us with inconvenient way.
  - Function to “modify its information”
    - This includes the office hour and office room number of professors

## Administrator

- Must Level
  - Function to “remove the reviews”
  - Function to “ban users for short period or permanently”
  - Function to “add courses to the database”
  - ~~- Function to “moderate the chat rooms” such as muting~~
    - ~~This function will be given to Student Moderator in further development.~~
- ~~- Should Level~~
  - ~~- Function to “assign common user as Student Moderator”~~

## 2.2 Use Cases

### 2.2.1.

Use Case	Edit timetable
Primary Actor	Common User
Priority	Essential
Scenario	<ol style="list-style-type: none"><li>1. User try edit(add/delete) timetable.</li><li>2. User add course(s) using course ID.</li><li>3. System checks course ID is valid and provides alert.</li></ol>
Extensions	If the course ID is invalid or does not exist, provide an alert.

Use Case	Edit Profile
Primary Actor	Common User
Priority:	Essential
Scenario:	<ol style="list-style-type: none"><li>1. User edit password.</li><li>2. Users save the password.</li><li>3. System checks if the password is valid or not and if it's valid, provides an alert.</li></ol>
Extensions:	If the password is invalid form, provide an alert to fix the password in the right form.

Use Case	Add courses
Primary Actor	Common Users
Priority	Essential
Scenario	<ol style="list-style-type: none"> <li>1. User logs in the website</li> <li>2. User is redirected to the timetable website.</li> <li>3. User press + button.</li> <li>4. User types the course number and press add course.</li> <li>5. The system shows the changed time table.</li> </ol>
Extensions	4-1. If the course number doesn't exist, it will not accept and give feedback to the user that course number doesn't exist.

Use Case	Write a review
Primary Actor	Common User
Priority	Essential
Scenario	<ol style="list-style-type: none"> <li>1. User logs in the website.</li> <li>2. User presses "Reviews" to go to the review page.</li> <li>3. User find professor by major and name</li> <li>4. User presses "write a review"</li> <li>5. User fills the information requested.</li> <li>6. User presses the submit button, and the system will redirect to the review page of the professor.</li> </ol>
Extensions	5-1. On the recommended level, it will automatically block bad words with some language filters.

## 2.3 User Interfaces

<First draft>



Figure1: Main Page

The main page features a yellow header bar with the SUNY Korea logo and navigation icons. Below the header is a large, rounded rectangular area containing a login form and a password recovery link.

**Log-In**

**Email:**

**Password:**

**Log-In** **Sign-up**

Forgot your password?

Figure2: Sign-up Page

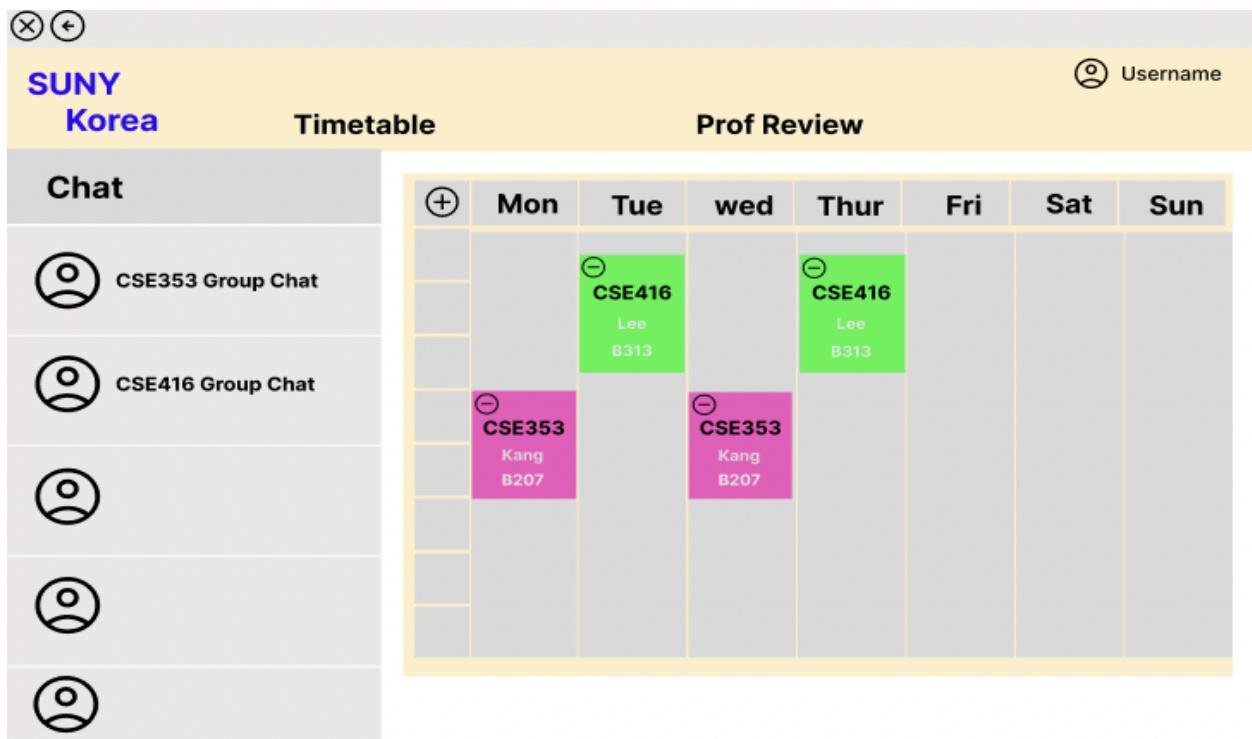


The header of the sign-up page features the SUNY Korea logo in blue text on a yellow background. It includes standard browser control buttons for closing and navigating.



A central rectangular form titled "Sign-Up". It contains four input fields labeled "Name:", "Student ID:", "Email:", and "Password:", each with a corresponding text input box. Below the input fields is a large, rounded rectangular button labeled "Register".

Figure 3: MainPage with login User



The main page header includes the SUNY Korea logo, a "Timetable" section, and a "Prof Review" section. A "Username" input field is located in the top right corner. The left sidebar is titled "Chat" and lists five entries, each with a user icon and text: "CSE353 Group Chat", "CSE416 Group Chat", and three entries starting with "(o)". The main content area displays a weekly timetable grid from Monday to Sunday. Specific slots are highlighted in green and pink, containing course names like "CSE416" and "CSE353", and room information such as "Lee B313" and "Kang B207".

Figure 4: Add Course Page

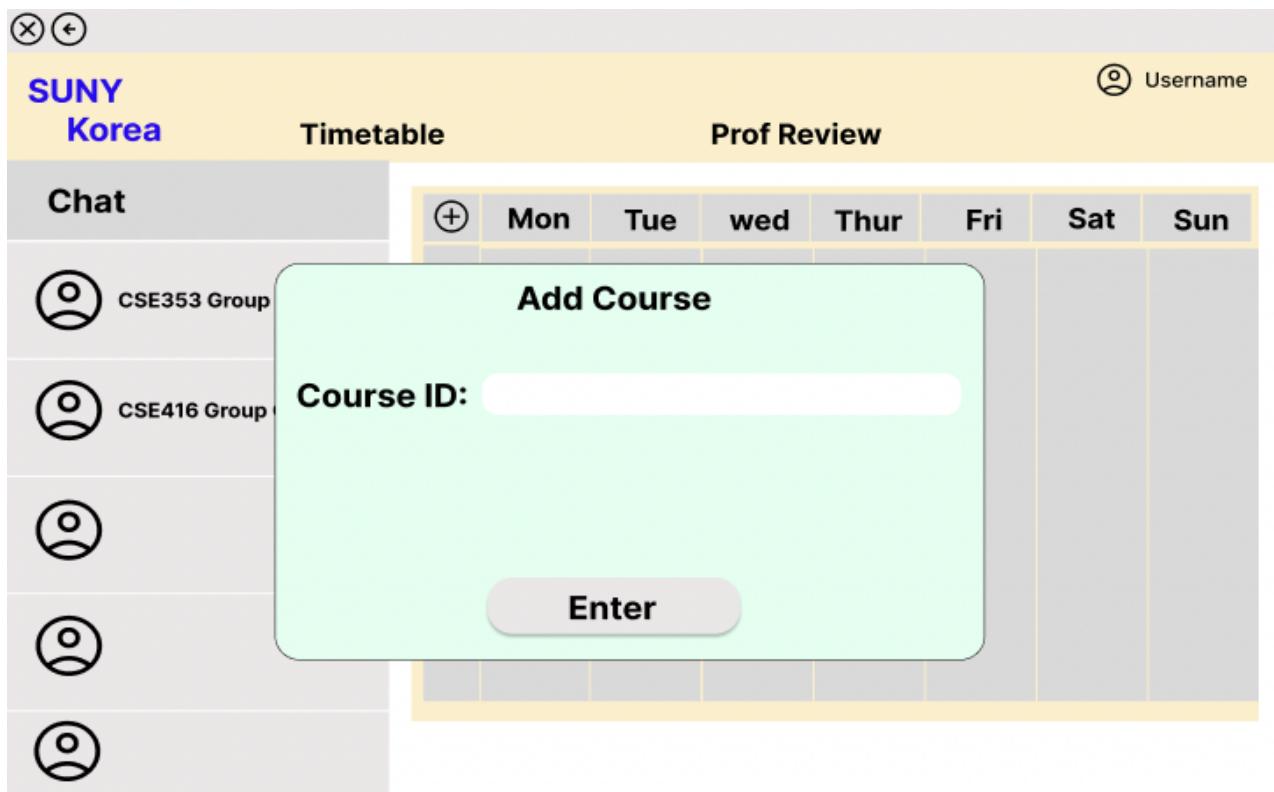


Figure 5: Chatting Page

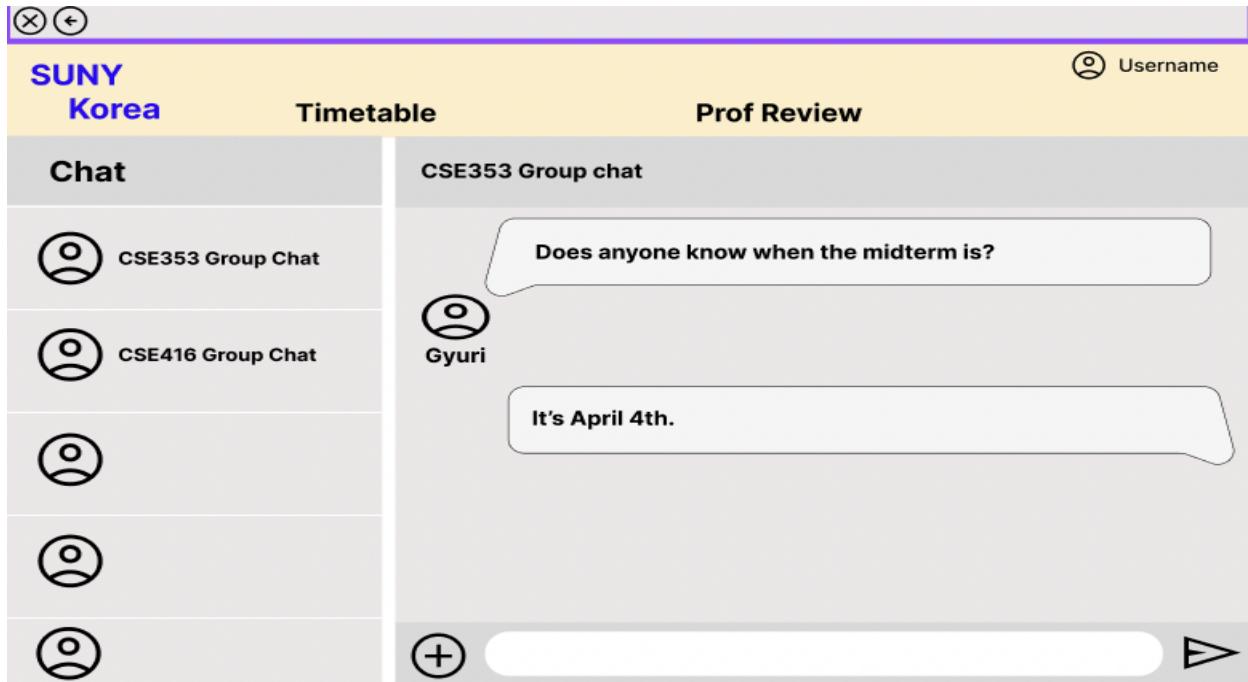


Figure 6: Edit Profile Page

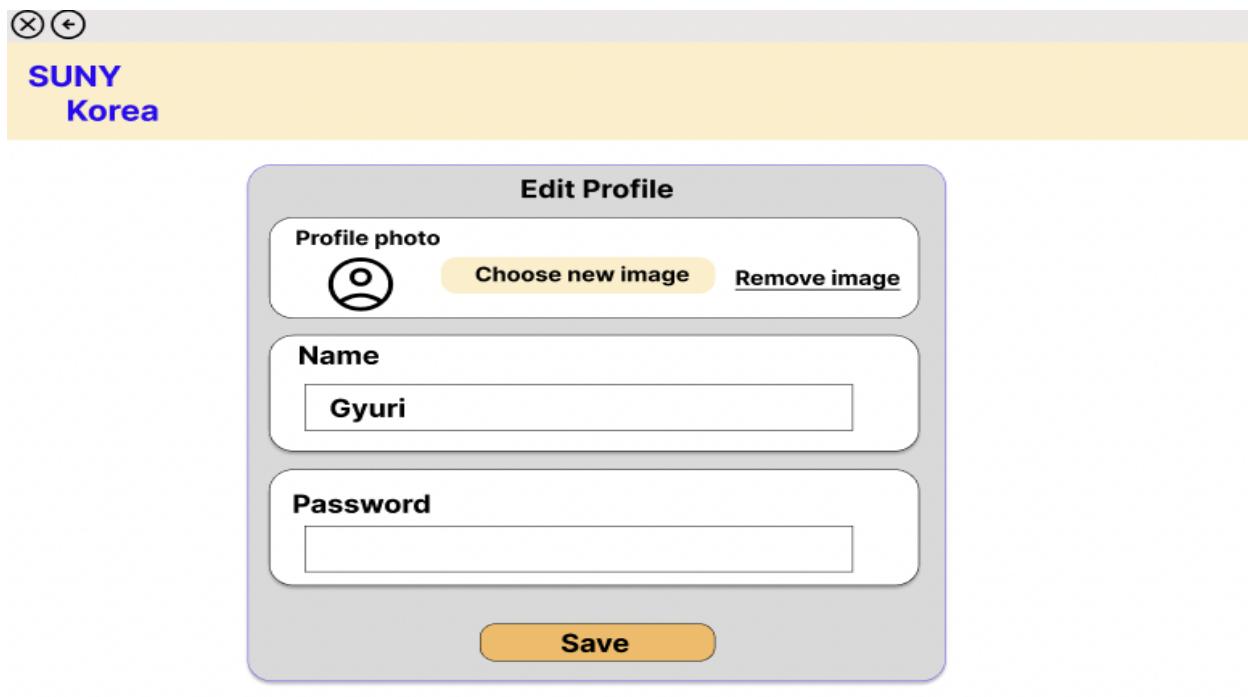


Figure 7: Prof Review Page

The screenshot shows a web-based application for reviewing professors. At the top, there are navigation links for 'SUNY Korea' (highlighted in blue), 'Timetable', and 'Prof Review'. A search bar for 'Professor name' is also at the top. Below the header, there's a section for 'Recent Review' with a dropdown menu for 'Course' (set to 'CSE') and a search icon.

Course Name	Rating	Review Content	Instructor
101 - Computer Science principles	5	He is a great professor I've ever met	Francois Rameau
AMS310 - Survey of Probability and Stat	1	I withdraw this class because of horrible lecture	George
CSE214 - Data structure	4	He is so good at teaching but the material in this class is so hard.	Byungkon Kang
MEC101 - Freshman Design Innovation	3	No comment	Cornelius Bradter

Figure 7.1:

This screenshot shows a simplified version of the 'Prof Review' page. It features a header with 'SUNY Korea', 'Timetable', and 'Prof Review' links, and a search bar for 'Professor' set to 'CSE'.

A large green box displays the average rating: **4.6/5**. Below it, there are two buttons: 'Arthur Lee' and 'Rate Professor'.

Below the rating, there's a section titled 'Comments' containing three entries:

Quality	Grade	Semester
5	Grade: A	Semester: 2022 Fall
4	Grade: A-	Semester: 2022 Spring
1	Grade: C-	Semester: 2021 Fall

Each row includes a text input field for comments, with the first entry containing the placeholder text 'Here is the comment'.

**Figure 8: Rate Professor Page**

The screenshot shows a web page titled "Rate Professor Page". At the top, there is a header bar with the SUNY Korea logo, a "Timetable" link, a "Prof Review" link, and a "Username" input field. Below the header, the professor's name "Arthur Lee" is displayed. The main content area contains five dropdown menus for rating the professor:

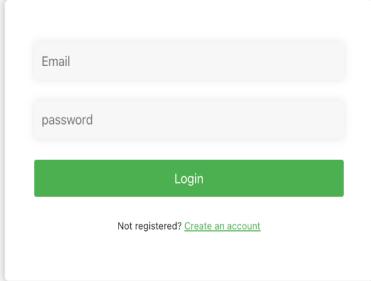
- Select Course
- Rate the professor
- Letter grade you get
- Semester you've taken
- Comment

Each dropdown menu consists of a rectangular input field and a downward-pointing arrow icon.

## Actual Working Pages

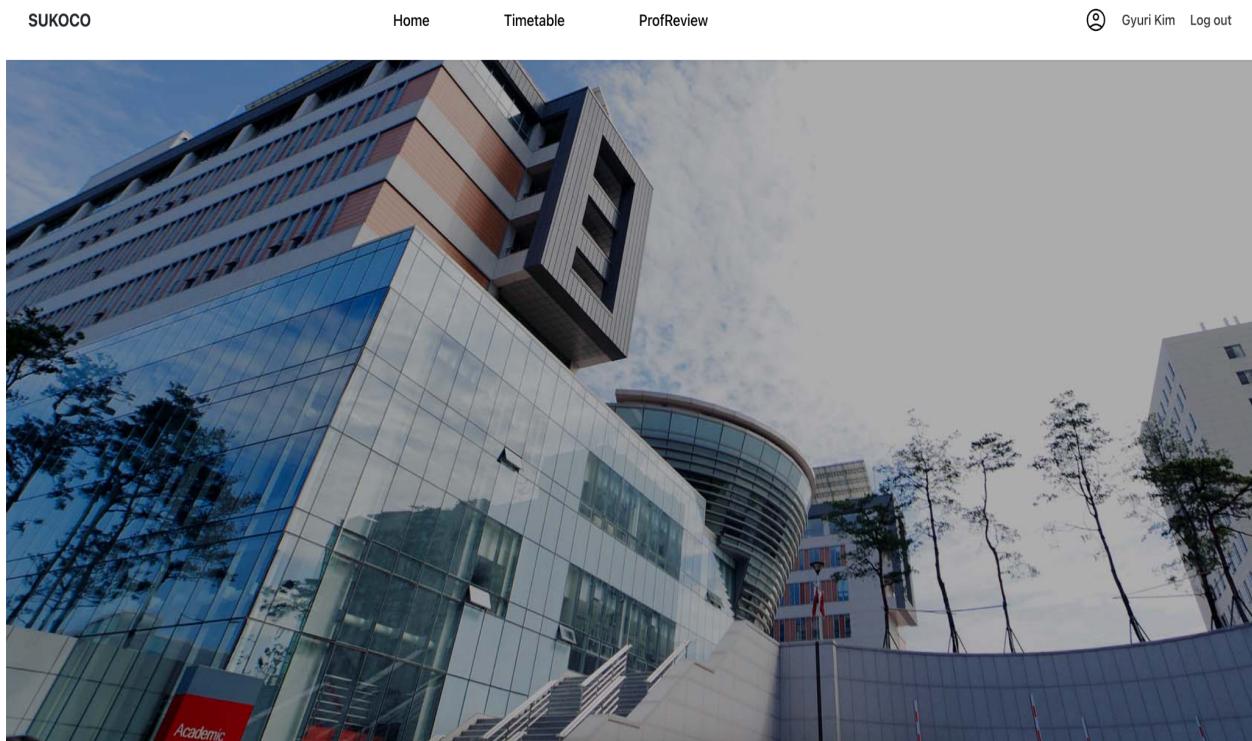
**Figure 1. Log-in**

SUKOCO      Home      Timetable      ProfReview      Log In      Sign Up



The image shows a login form within a white box. It contains two input fields: 'Email' and 'password', both with placeholder text. Below the fields is a green 'Login' button. At the bottom of the box, there is a link 'Not registered? [Create an account](#)'.

**Figure 2. Main Page**



**Figure 3. Register Page**

The screenshot shows a web application interface for 'SUKOCO'. At the top, there is a navigation bar with links for 'Home', 'Timetable', 'ProfReview', 'Log In', and 'Sign Up'. The main content area features a registration form within a white box with rounded corners. The form contains four input fields: 'First name', 'Last name', 'Email', and 'Password'. Below the 'Email' field, a red note says 'You should Sign-up with your school email'. A green 'Sign up' button is located at the bottom right of the form.

First name

Last name

Email

You should Sign-up with your school email

Password

Sign up

**Figure 4. Recent Reivews from Ratetheprofessor Pages**

The screenshot shows a user interface for a professor review site. At the top, there is a navigation bar with links for Home, Timetable, ProfReview, and a user profile for Gyuri Kim. Below the navigation bar is a search bar with fields for 'Select a course' and 'Professor Name', and a 'Search' button. The main content area is titled 'Recent Reviews'. It displays three recent reviews for different courses:

- Course Name: CSE 101 - Computer Science Principles, Instructor: Arthur Lee  
Rating: 5  
Comments: This is a comment
- Course Name: CSE 114 - Introduction to Object-Oriented Programming, Instructor: Antonino Mione  
Rating: 4  
Comments: This is a comment
- Course Name: CSE 214 - Data Structure, Instructor: Byungkon Kang  
Rating: 4  
Comments: This is a comment

**Figure 5. Review Page for Arthur Lee**

This screenshot shows a detailed review page for Arthur Lee. At the top, it displays a large rating of '4.5/5' for 'ARTHUR LEE' and a 'Rate Professor' button. Below the rating, it shows a review for 'CSE 101 - Computer Science Principles, Instructor: Arthur Lee'. The review includes a rating of 5 and the same comment: 'This is a comment'.

**Figure 6. Post a review page**

SUKOCO      Home      Timetable      ProfReview      Gyuri Kim   Log out

ARTHUR LEE

Select Course:

Rate the Professor:

Letter grade you got:

Semester you took:

Comment:

**Figure 7. Timetable page**

SUKOCO      Home      Timetable      ProfReview      Gyuri Kim   Log out

Time	Mon	Tue	Wed	Thur	Fri	
9:00-10:00						
10:00-11:00						
11:00-12:00						
12:00-13:00						
13:00-14:00						
14:00-15:00						
15:00-16:00						
16:00-17:00						
17:00-18:00						
18:00-19:00						
19:00-20:00						
20:00-21:00						
21:00-22:00						

## **2.4. Non-functional Requirements**

1. Users should be able to complete use cases and perform all function requirements in the web application via Chrome.
2. All users' private data should be obtainable and accessible only when necessary.
3. On this web application, all communication should be secured with SSL.
4. This web application should handle at least 200 connections and secure the average load time in 1 second.
5. The web application will be given in English.

## **3. Contributions**

Gyuri Kim: Design brain-storming, Figma Disign, Discuss software requirements specification, write the document.

Sungwoong Park: Design brain-storming, Discuss software requirements specification, write the document, Presentation.