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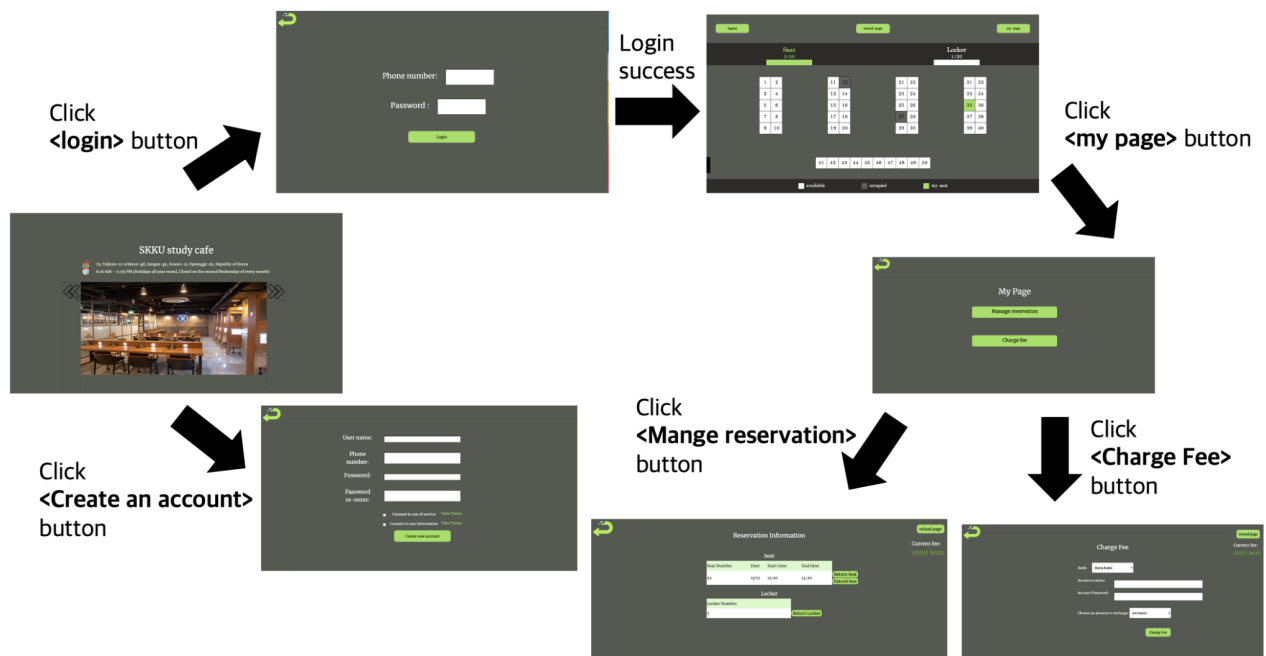
Course Section Number: SWE3048\_43

**WEB PROJECT**

**FINAL REPORT**

**[SKKU STUDY CAFE]**

## - overview



## 1. First page

## SKKU study cafe



73, Yuljeon-ro 101beon-gil, Jangan-gu, Suwon-si, Gyeonggi-do, Republic of Korea

8:00 AM ~ 11:59 PM (Holidays all year round, Closed on the second Wednesday of every month)



Space changes us better

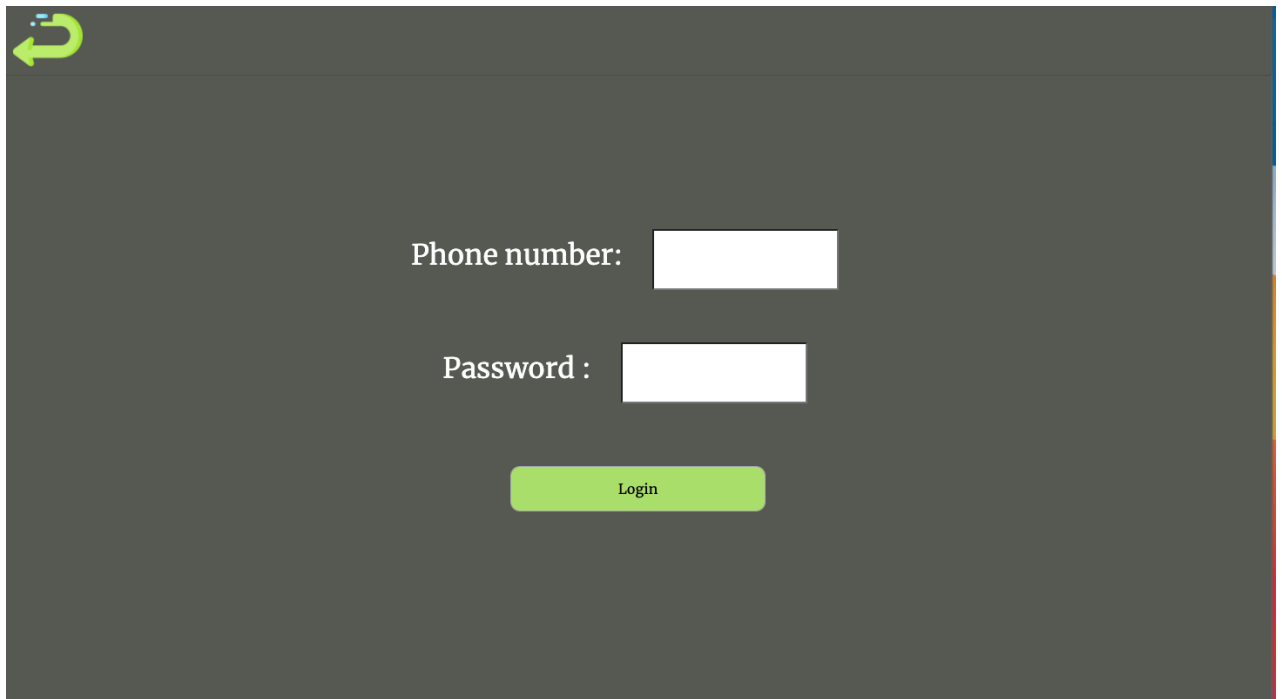
Login

Create an account

[Main Function]

- Click <Login> btn -> go to login page
- Click <Create an account> btn -> go to create account page

## 2. Login page

A login form on a dark gray background. In the top-left corner, there is a green circular icon with a white arrow pointing left. The form consists of two white text input fields. The first field is preceded by the text "Phone number:" and the second by "Password :". Below these fields is a green rectangular button with the text "Login" in white. The entire form is centered on the page.

Phone number:


Password :

Login

[Main Function]

- User enter phone number, password & click <Login> btn.
- If entered values are correct, user can enter to reservation page.
- Otherwise, alert message will appear.

### 3. Create account page



User name:

Phone number:

Password:

Password re-enter:

☐ Consent to use of service [View Terms](#)

☐ Consent to use information [View Terms](#)

[Create new account](#)

X

Article 1 (Purpose)

The purpose of these terms and conditions is to stipulate rights, obligations and responsibilities between the company and users in relation to the use of digital contents (hereinafter referred to as "contents") and other services provided by the company online. to do.

Article 3 (Provision of Identity Information, etc.)

The "Company" shall include the contents of these terms and conditions, trade name, representative name, business address (including the address where consumer complaints can be handled), phone number, facsimile number, E-mail address, business registration number, mail-order business report number, and the person in charge of personal information management are posted on the initial screen of the online service so that users can easily find out. However, the terms and conditions can be viewed by the user through the connection screen.

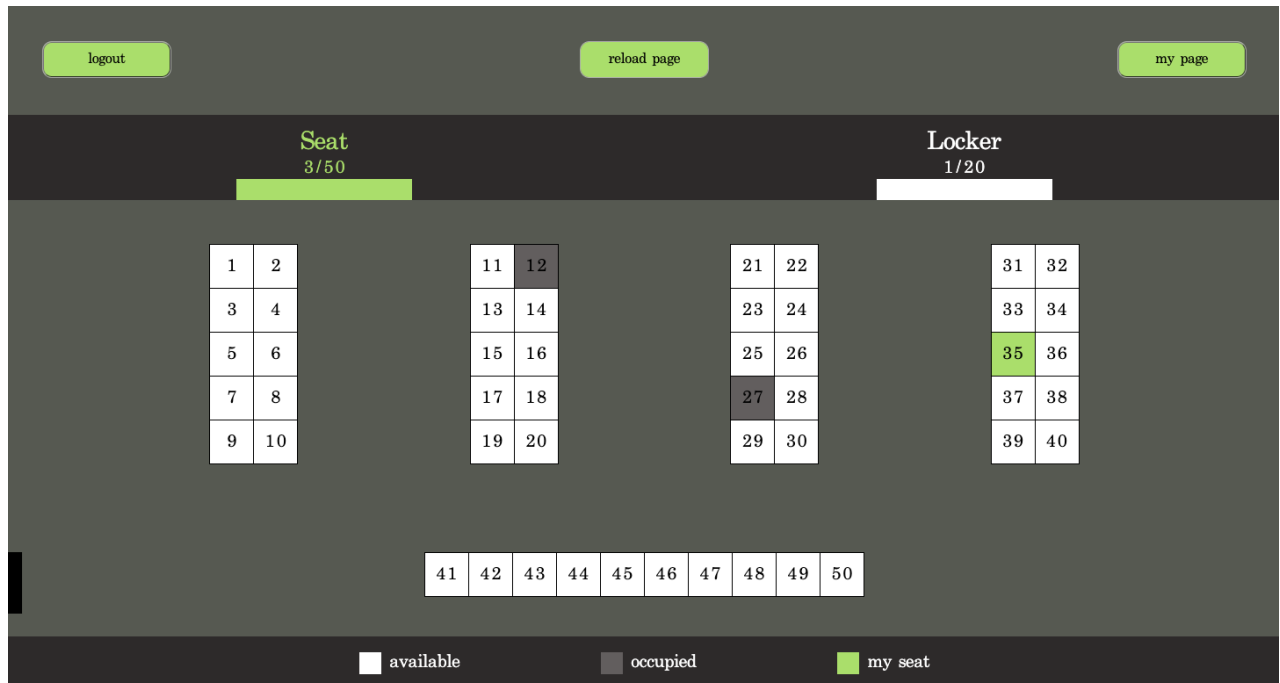
Article 4 (Publication of Terms and Conditions, etc.)

(1) "Company" takes technical measures so that "members" can print all of these terms and conditions and check the contents of the terms and conditions during the transaction. (2) "Company" installs technical devices so that "Users" can ask and answer questions about "Company" and the contents of these Terms and Conditions.

### [Main Function]

- User enter name, phone, number, password, phone number of their parents.
- User should agree to terms and conditions.
- There are requirements such as a 4-digit or more password. If the user adheres to all of these, an account is created.

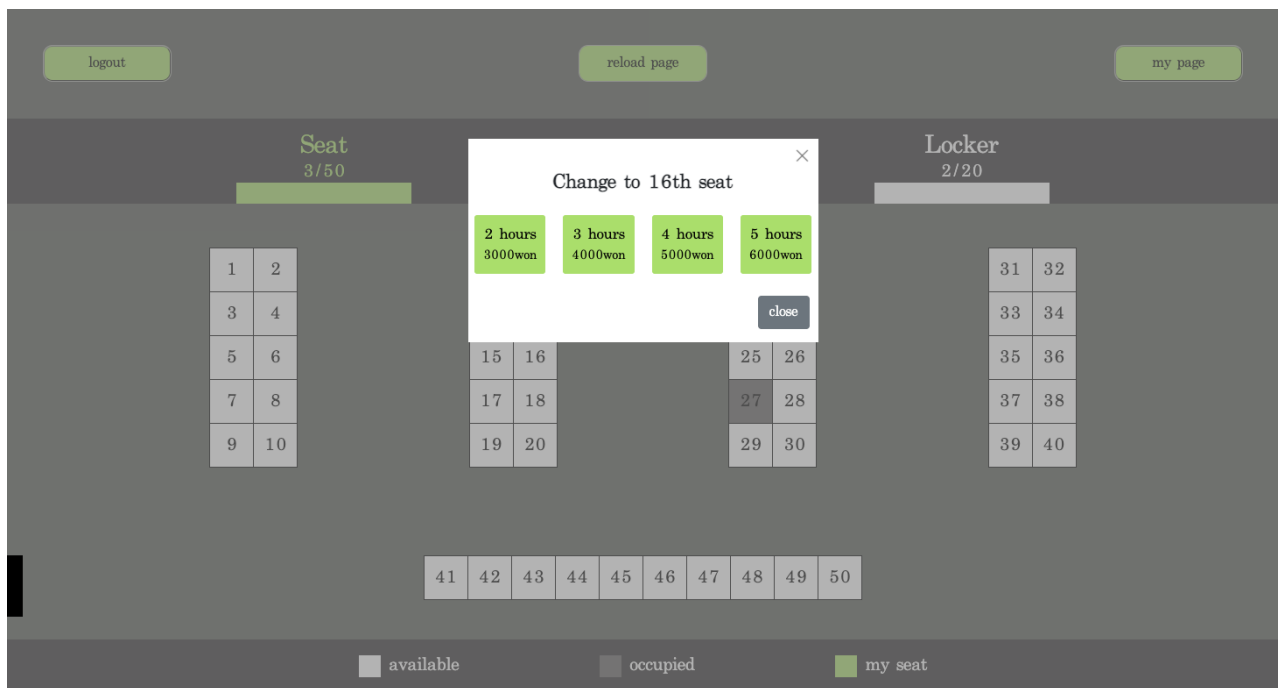
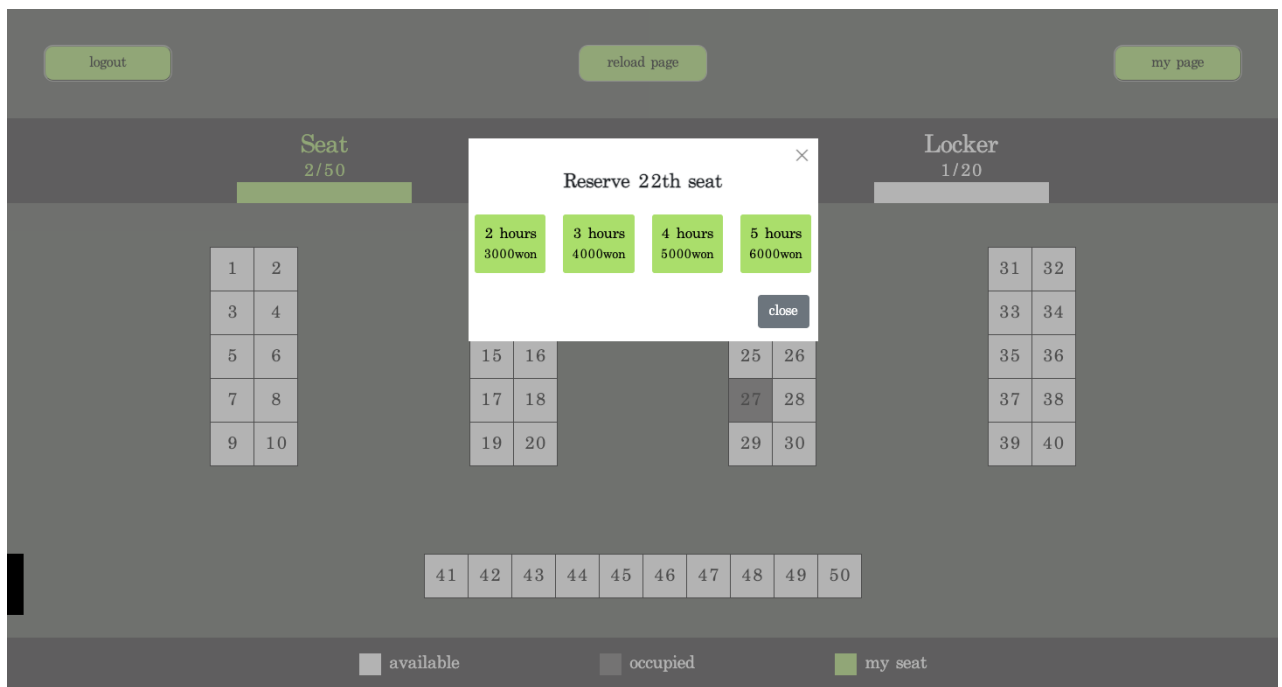
## 4. Reservation page



This page is to reserve the seat and locker. On the left side, black object means the door of the study room.

[Main function]

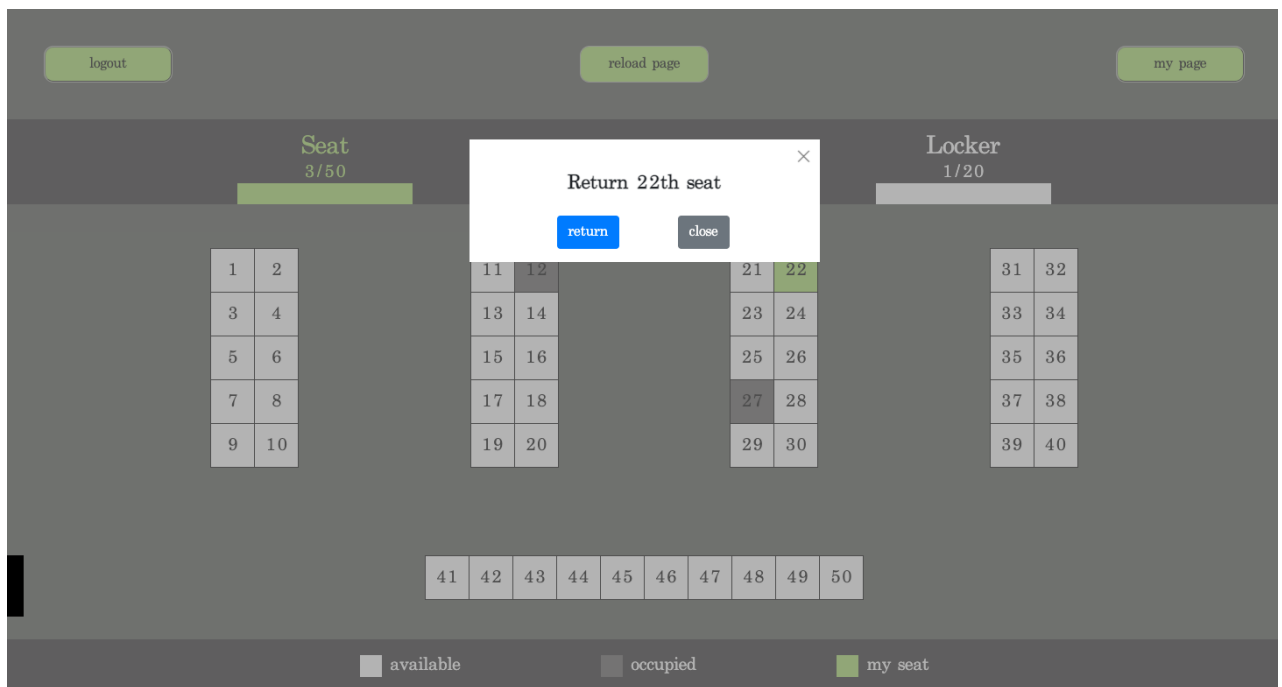
- check available seats  
(white: available seat, grey: occupied seat, green: my seat)
- Click <white available seat> btn -> show popup for reservation  
(if user already reserves seat, it shows popup for changing seat)
- Click <green my seat> btn -> show popup for return
- Click <logout> btn -> logout
- Click <reload page> btn -> reload page
- Click <my page> btn -> go to mypage



This screen is a popup to reserve/change a seat. If user already reserves seat, it shows “change to # seat” popup.

[Main function]

- Click <hours> btn -> choose hours to reserve  
(if user has insufficient fee, it shows error message)
- Click <close> btn -> close popup



This screen is a popup to return a seat.

[Main function]

- Click <return> btn -> return my seat
- Click <close> btn -> close popup



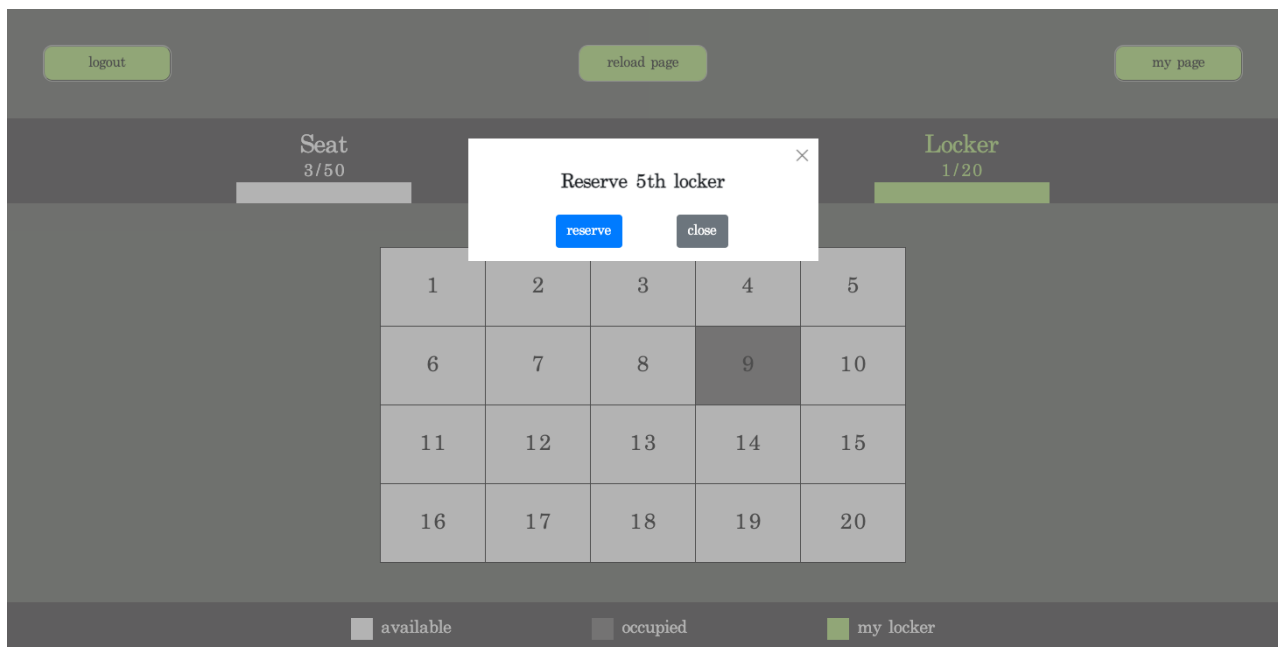
[Main function]

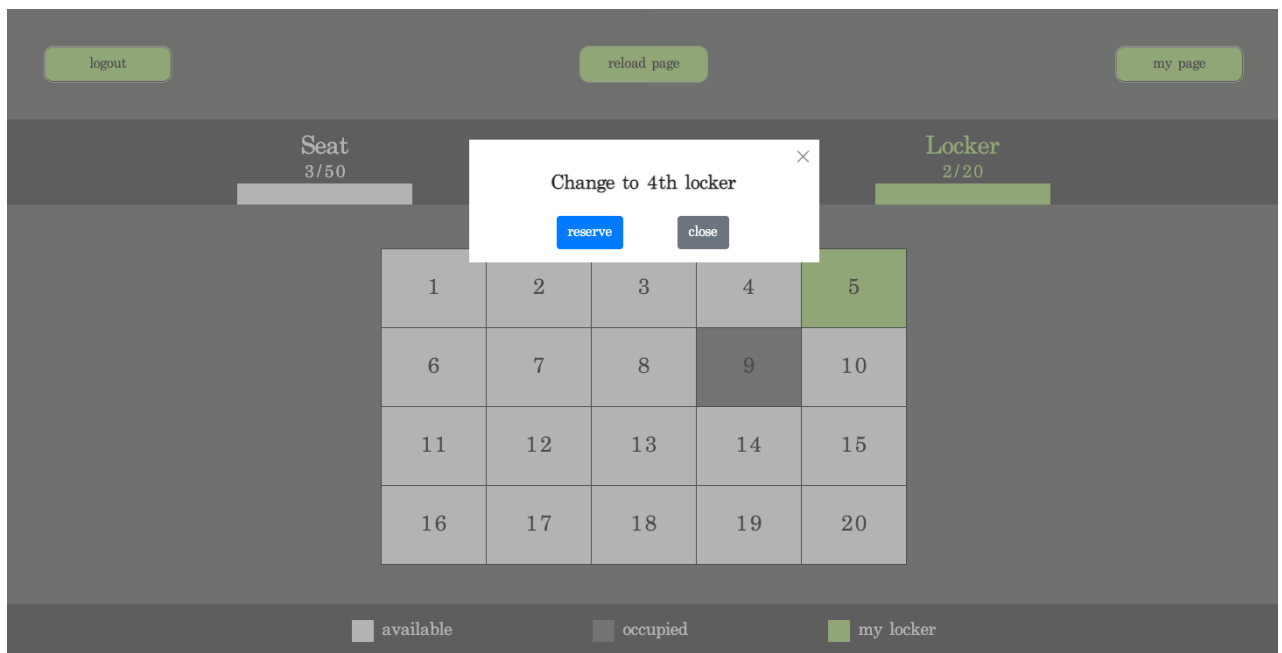
- check available lockers



(white: available locker, grey: occupied locker, green: my locker)

- Click <white available locker> btn -> show popup for reservation  
(if user already reserves locker, it shows popup for changing locker)
- Click <green my locker> btn -> show popup for return
- Click <logout> btn -> logout
- Click <reload page> btn -> reload page
- Click <my page> btn -> go to mypage



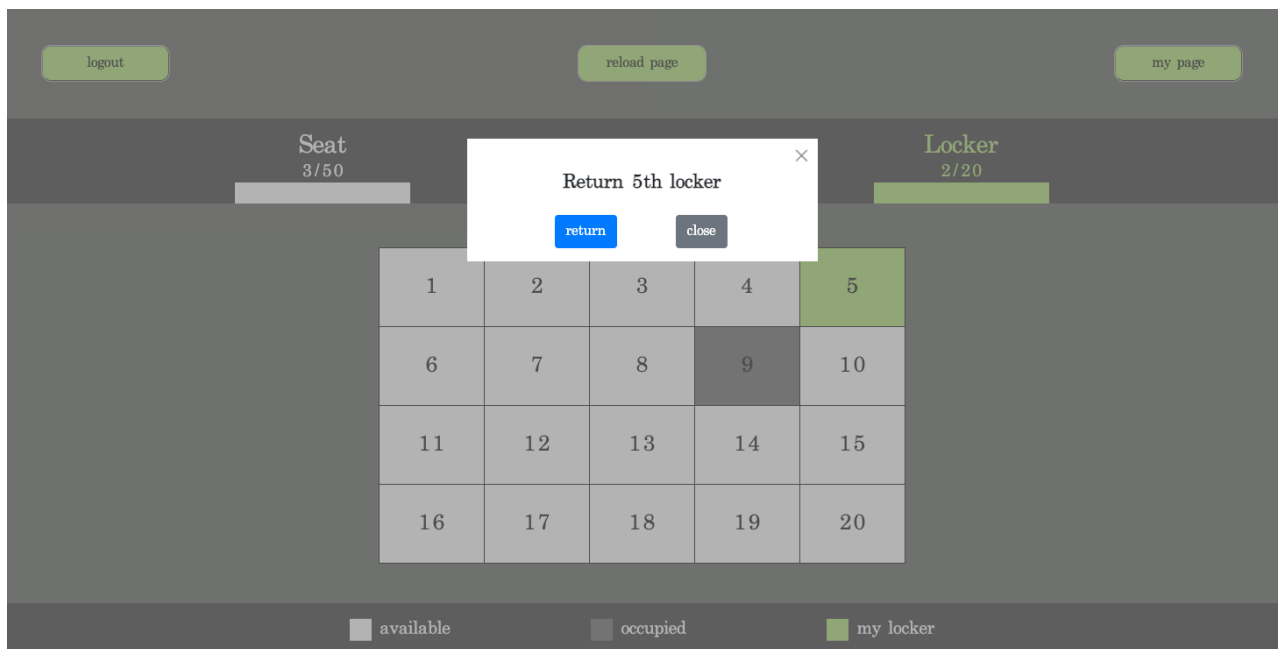


This screen is a popup to reserve/change a locker. If user already reserves locker, it shows “change to # locker” popup.

Locker system is the voluntary system that user doesn't charge and there is no fixed time(no end time to return). Users can use their lockers until they return them. Thus it is not per hours.

[Main function]

- Click <reserve> btn -> reserve locker  
(if user has insufficient fee, it shows error message)
- Click <close> btn -> close popup

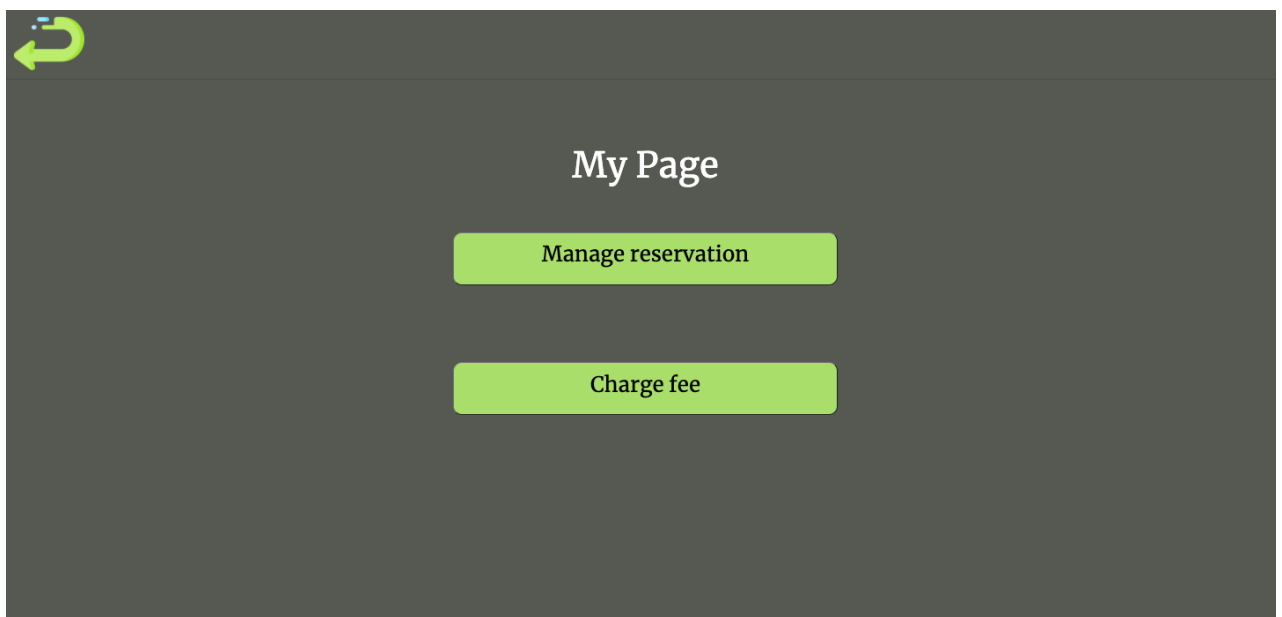


This screen is a popup to return a locker.

[Main function]

- Click <return> btn -> return locker
- Click <close> btn -> close popup

## 5. My page



This page is to go to the reservation manage page and the charge fee page.

[Main function]

- Click <Manage reservation> btn -> go to reservation manage page
- Click <Charge fee> btn -> go to charge fee page

## 6. Reservation manage page

The image displays two screenshots of the 'Reservation Information' page. Both screenshots feature a green circular arrow icon in the top left corner and a 'reload page' button in the top right corner. The current fee is consistently shown as '1000 won'.

**Top Screenshot (User has reservation):**

- Seat:** A table with columns 'Seat Number', 'Date', 'Start time', and 'End time'. The data row shows: Seat Number 22, Date 11/12, Start time 12:20, End time 14:20. To the right of the table are buttons for 'Return Seat' and 'Extend Seat'.
- Locker:** A table with column 'Locker Number'. The data row shows: Locker Number 7. To the right is a 'Return Locker' button.

**Bottom Screenshot (User has no reservation):**

- Seat:** Displays the message 'You don't reserve seat.'
- Locker:** Displays the message 'You don't reserve locker.'

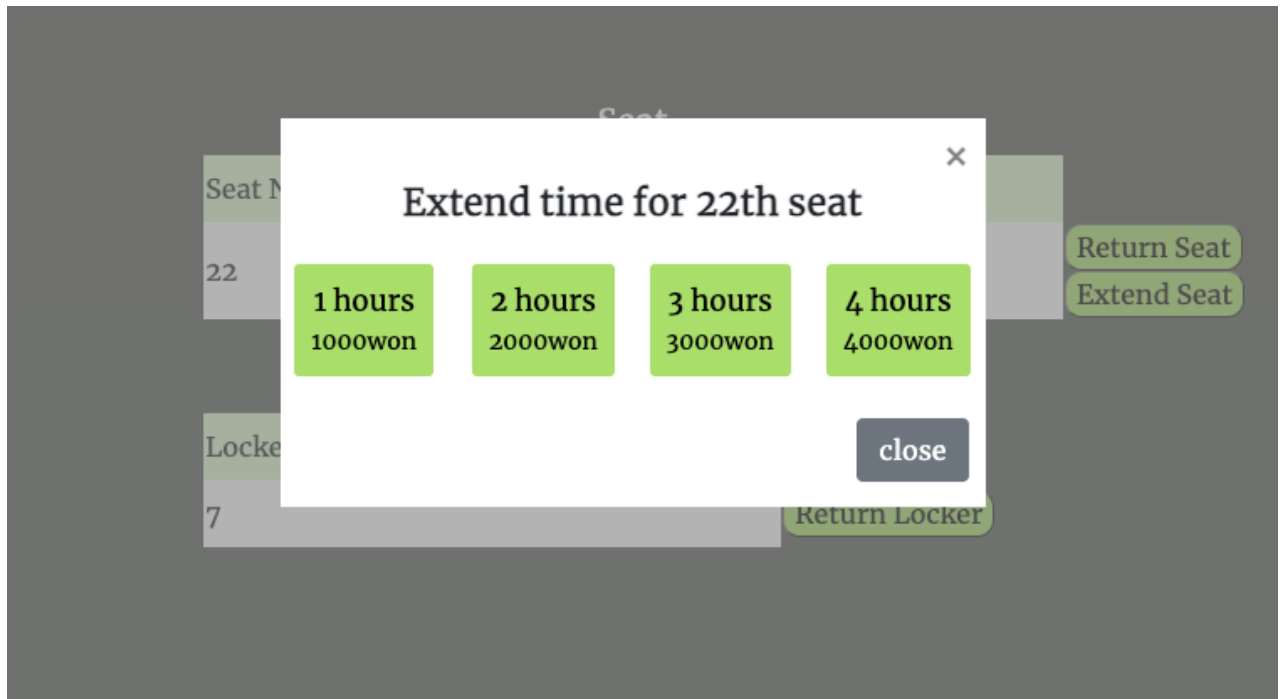
In this page, user can check his/her reservation of both seat and locker. If user has seat, can return or extend seat. Also if user has locker, can return locker.

But user doesn't have seat/locker, it shows "You don't reserve" message.

[Main function]

- User can check reservation information(seat, locker)
- User can check his/her current fee

- Click <reload page> btn -> reload page
- Click <return seat> btn -> return seat
- Click <extend seat> btn -> show popup for extending seat
- Click <return locker> btn -> return locker



This screen is a popup to extend the seat. User can extend specific hours for currently used seat. In the case of extend, it is cheaper than new reservation.

[Main function]

- Click <hours> btn -> choose hours to extend  
(if user has insufficient fee, it shows error message)
- Click <close> btn -> close popup

## 7. Charge fee page

**Charge Fee**

reload page

Current fee:  
1000 won

Bank: Hana bank

Account number:

Account Password:

Choose an amount to recharge: 1000won

Charge Fee

Bank: ✓ Hana bank  
KB Kookmin bank  
Woori bank  
Kakao bank  
Shinhan bank  
Toss bank

Choose an amount to recharge: ✓ 1000won  
2000won  
3000won(2 hours)  
4000won(3 hours)  
5000won(4 hours)  
6000won(5 hours)  
7000won  
8000won  
9000won  
10000won

The objective of this page is to charge fee. With this page, user can charge fee between 1,000 won and 10,000 won.

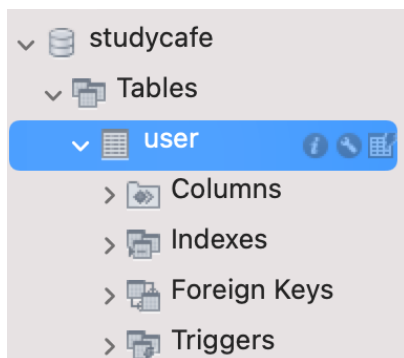
[Main function]

- User chooses the bank, enters account number, password and amount to recharge.
- User can check his/her current fee
- Click <reload page> btn -> reload page
- Click <Charge Fee> btn -> charge fee
- If user information is correct, fee will be charged.

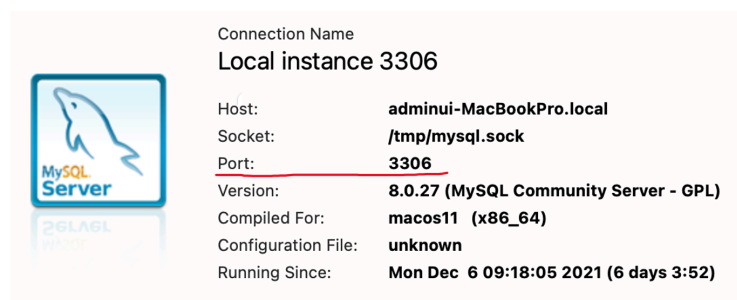
## ● Database

Name: <input type="text" value="user"/>		Schema: studycafe								
Column	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
userName	VARCHAR(60)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
userPassword	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
phoneNumber	VARCHAR(45)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
chargedFee	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'0'
seatId	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
lockerId	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
seatStartTime	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
seatEndTime	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Our team uses MySQL.

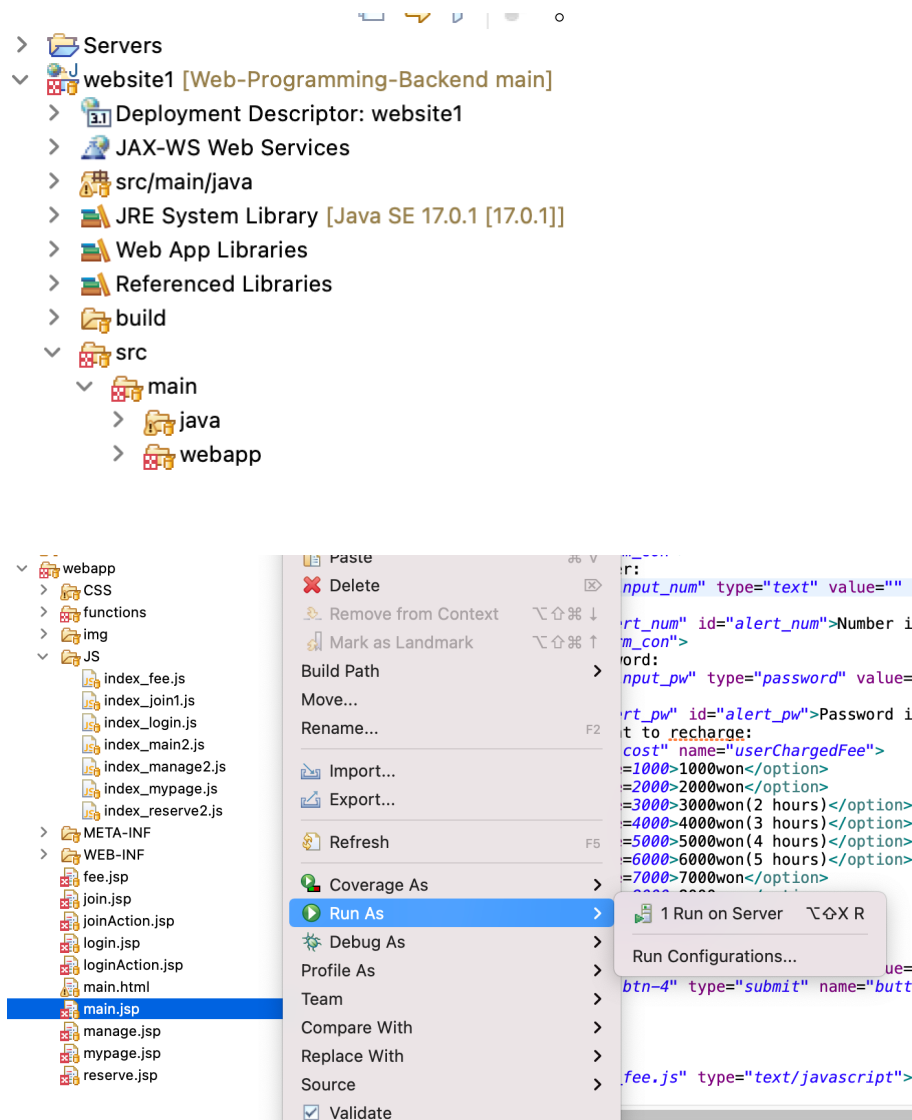


db scheme: studycafe, table name: user



The port number of DB should be 3306. Also the password of root is “leeja813”.

## ● How to run



Like this way, you can run the server in Eclipse.

Port Name	Port Number
Tomcat admin port	8005
HTTP/1.1	8080

The HTTP/1.1's port number is 8080. If you have another port number, please modify the link below.

You can start our website with ["http://localhost:8080/website1/main.jsp"](http://localhost:8080/website1/main.jsp)

(If you run our program, there may not be occupied(grey) seats on the reservation page. It is because seat end time may be before the time when professor and TAs will run code. That's natural, so if you want to check the occupied seats, please create a new account and check it.)



## ● Code history

You can check the development history in our Github Link!

<https://github.com/jjeongah/Web-Final-Project>