

Object Oriented WEB Programming Using Ruby

Application behavior

Main page

SugChat

user list chat list room list

Chat title roomname posted date and time Log in
comment New account

Chat title roomname posted date and time
comment

Chat title roomname posted date and time
comment

This page
appears
if you clicked
“chat list”

Application behavior

Clicked
"chat title"

SugChat

user list

chat list

room list

About next class room1 2018/05/24 00:30:00

Chat
title

Participant: user1, user2

2018/05/24 00:01:22 user1:

Aaaaaaaaaaaa

2018/05/24 00:03:22 user2:

aaaaaaaaaaaa

2018/05/24 00:04:22 user1:

aaaaaaaaaaaa

2018/05/24 00:05:22 user1:

aaaaaaaaaaaa

2018/05/24 00:06:22 user2:

room
name

posted
date

Image (illustration)

posted
time

Application behavior

Clicked
"Log in"

SugChat

Log in

user name

password

OK

Back

Return to
main page

Application behavior

After Log in

SugChat

user list

chat list

room list

User name

Chat title roomname posted date and time
comment

New room

Chat title roomname posted date and time
comment

Chat title roomname posted date and time
comment

User name and
new room are
appeared

Application behavior

Clicked
"New account"

SugChat

New account

user name

password

OK

Back

Return to
main page

Application behavior

Clicked
“user list”

SugChat

user list

chat list

room list

User name

user1 online room1

New room

user2 online room1

user3 online room2

user4 offline

Application behavior

Clicked
"room list"

SugChat

user list

chat list

room list

User name

room1 created date and time
comment

New room

room2 created date and time
comment

room3 created date and time
comment

Application behavior

If a person who is not a member of this site clicks “New room” or room name, this page appears.

SugChat

Please log in
or
Make a new account

OK

Return to
main page

Application behavior

Clicked
"New room"

SugChat

Create a room

room name

comment

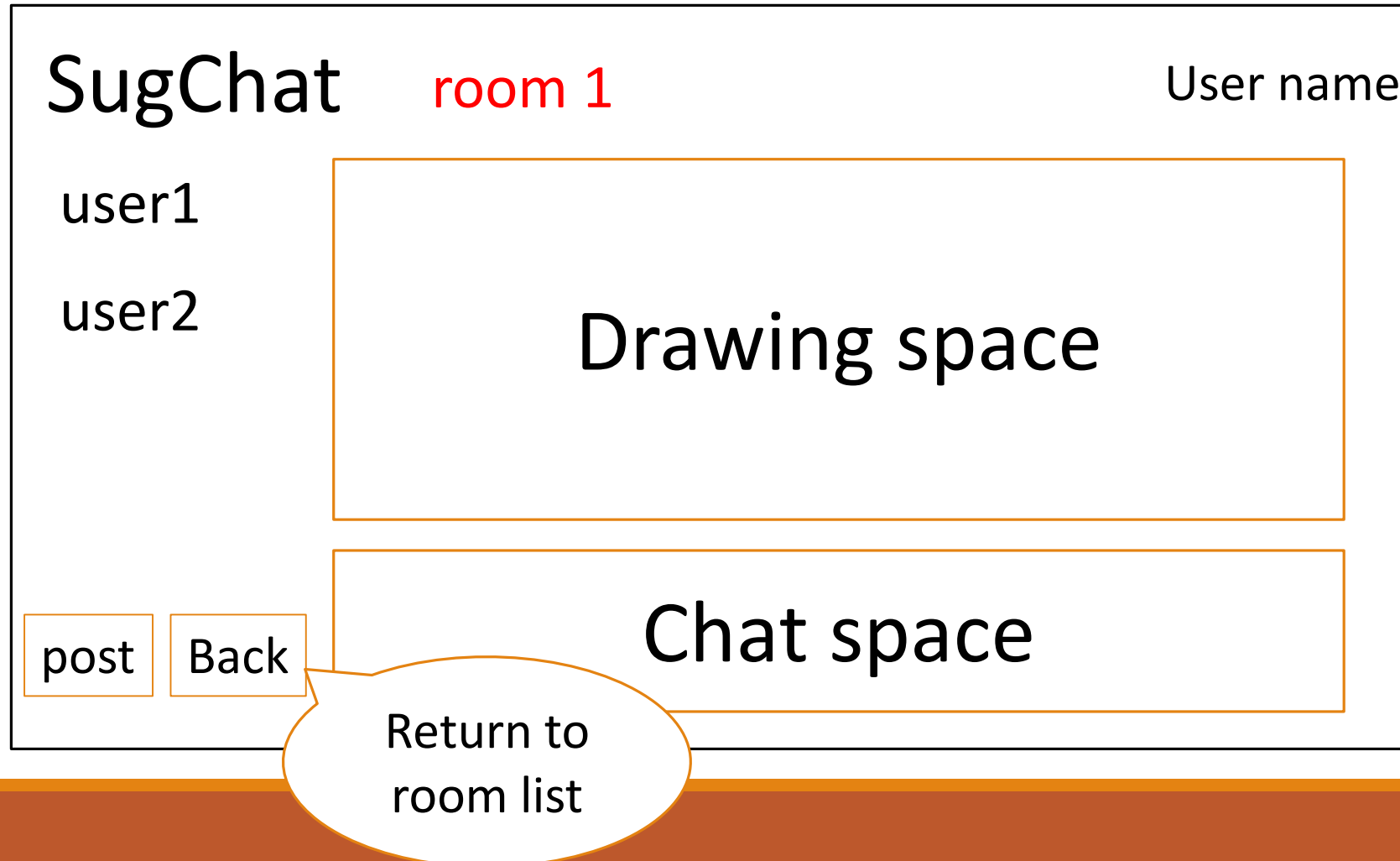
OK

Back

Return to
main page

Application behavior

Clicked
"room 1"



Application behavior

Clicked
“post”

SugChat

Save the log and image

Chat title

comment

OK

Back

Return to
chat page

Application behavior

After post the log,
back to this page.

SugChat

room 1

User name

user1

user2

Drawing space

post

Back

Chat space

Division of roles

1. Design the layout.

Improve the appearance of this application.

Temporary layout is not good.

Division of roles

2. Make a function to log in.

Make accounts and give data to the user model.

user
id: integer name: string state: bool RoomName: string password: string

Division of roles

3. Display user list.

Display all users who have their own accounts.

Include information about users. (online/offline, room?)

Division of roles

4. Display chat list.

Display all chat logs in database.

If chat titles are clicked, display the log and the image.

chat
id: integer
title: string
comment: text
log: text?
image: data?
PostedDate: string
PostedTime: string

Division of roles

5. Create a room and display room list.

Users who have accounts only make a room.

Display all rooms in database.

room
id: integer name: string comment: string CreateDate: string CreateTime: string

Division of roles

6. Make a chat function.

Make a chat page which can use with many users.

Post comments with the user name, time and date.

Division of roles

7. Make a drawing function.

Make a drawing page which can use with many users.

We draw an illustration with some colors.

Use canvas(HTML5)?

Division of roles

8. Post a image and a chat log.

Make a function to post an image and a chat log.

When we post them, they include a chat title and a comment about the log.