

# Object Oriented WEB Programming Using Ruby

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# Application behavior

Main page and  
Clicked “chat list”

**SugChat**      user list    chat list    room list

Chat title   roomname   posted date      Log in

Chat title   roomname   posted date    New account

Chat title   roomname   posted date

Chat title   roomname   posted date

# Application behavior

Clicked  
“chat title”

**SugChat**

user list

chat list

room list

About next class room1 2018/05/24

2018/05/24 user1:

Aaaaaaaaaaaa

2018/05/24 user2:

aaaaaaaaaaaa

2018/05/24 user1:

aaaaaaaaaaaa

2018/05/24 user1:

aaaaaaaaaaaa

2018/05/24 user2:

aaaaaaaaaaaa

Image (illustration)

# Application behavior

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Clicked  
“Log in”

SugChat

Log in

user name

password

OK

Back

# Application behavior

After Log in

**SugChat**

user list

chat list

room list

User name

Chat title roomname posted date

New room

Chat title roomname posted date

Chat title roomname posted date

Chat title roomname posted date

User name  
is  
appeared

# Application behavior

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Clicked  
"New account"

SugChat

New account

user name

password

OK

Back

# 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 comment creation date

New room

room2 comment creation date

room3 comment creation date

room4 comment creation date



# Application behavior

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If you are not a member and  
Clicked  
“New room” or room name

SugChat

Please log in  
or  
Make a new account

OK

# Application behavior

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Clicked  
"New room"

## SugChat

### Create a room

room name

comment

OK

Back

# Application behavior

Clicked  
"room 1"

SugChat

room 1

User name

user1

user2

Drawing space

post

Back

Chat space

# Application behavior

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Clicked  
“post”

## SugChat

### Save the log and image

Chat title

comment

OK

Back

# Application behavior

After post the log,  
back to this page.

SugChat

room 1

User name

user1

user2

post

Back

Drawing space

Chat space

# Division of roles

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## 1. Design the layout.

Improve the appearance of this application.

Temporary layout is not good.

<b>SugChat</b>	user list	chat list	room list	
Chat title	roomname	posted	date	Log in
Chat title	roomname	posted	date	New account
Chat title	roomname	posted	date	
Chat title	roomname	posted	date	

# Division of roles

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## 2. Make a function to log in.

Make accounts and give data to the user model.

user
id: integer name: string password: string

# Division of roles

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## 3. Display user list.

Display all users who have their own accounts.

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



# Division of roles

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## 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?

# Division of roles

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## 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

# Division of roles

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## 6. Make a chat function.

Make a chat page which can use with many users.

Post comments with the user name and date.

# Division of roles

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## 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

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## 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.