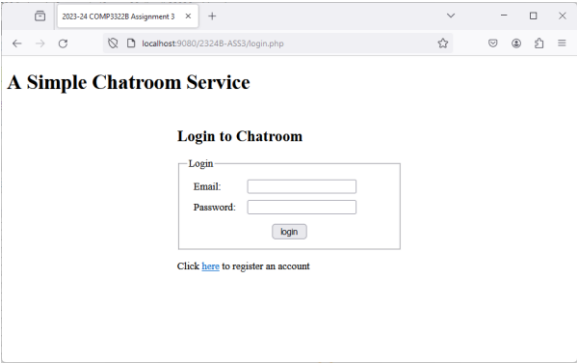


Client

Server



GET /login.php

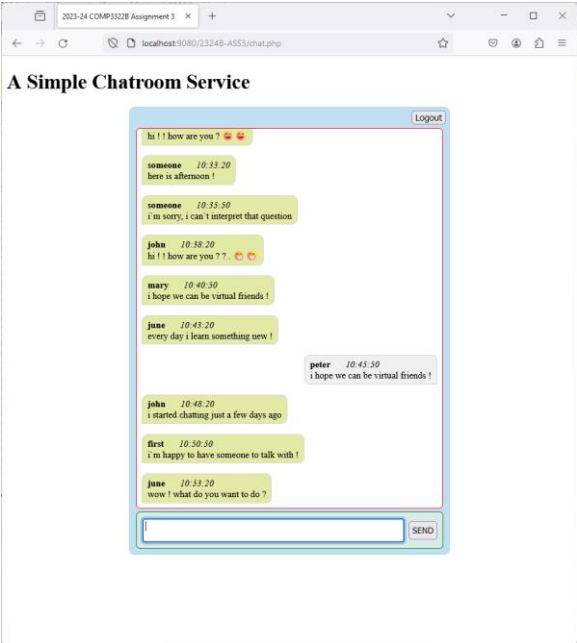
POST /login.php

login, email, password

redirection

GET /chat.php

After successfully logged in

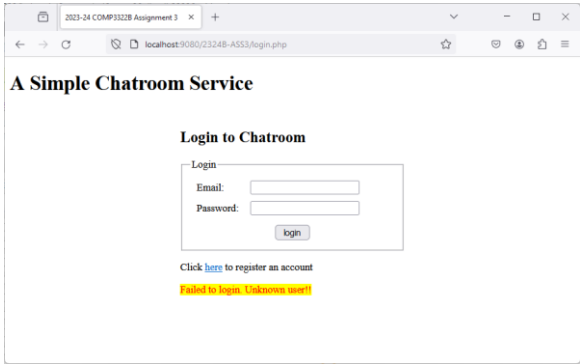


Client

Server

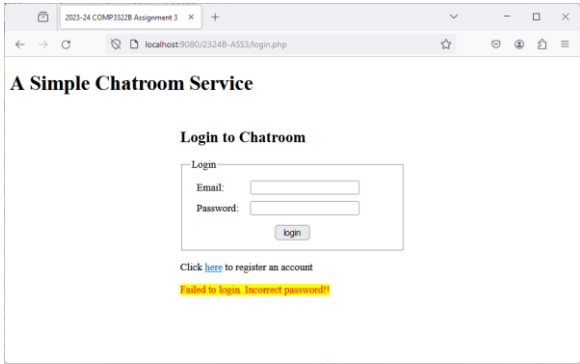
POST /login.php

login, **unknown**, password



POST /login.php

login, known, **wrong**



Client

Server

GET /check.php?email=Alice@connect.hku.hk

A Simple Chatroom Service

Login to Chatroom

Login

Email: Alice@connect.hku.hk

Password:

login

Click [here](#) to register an account

Cannot find your email record!

Cannot find your email record

Other validations

- @connect.hku.hk email address
- Missing email address
- Missing password

Please enter a valid HKU @connect email address

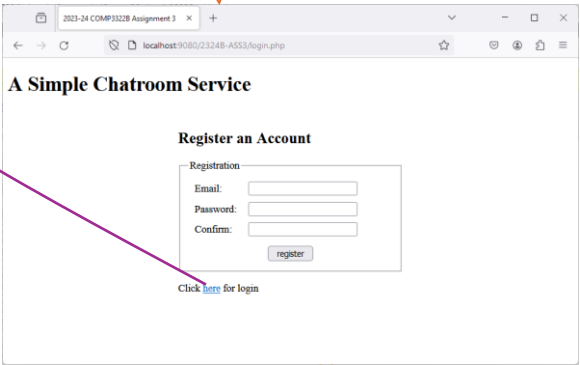
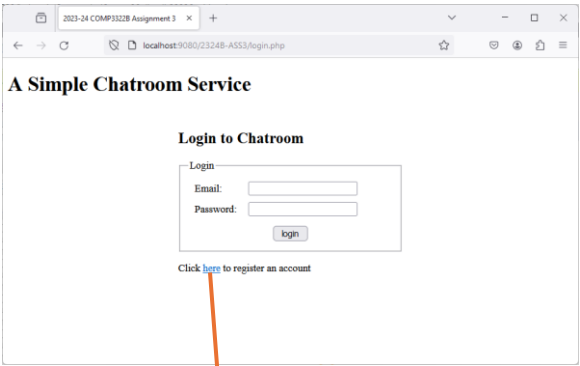
Missing Email address!!

Please provide the password

Client

Server

GET /login.php



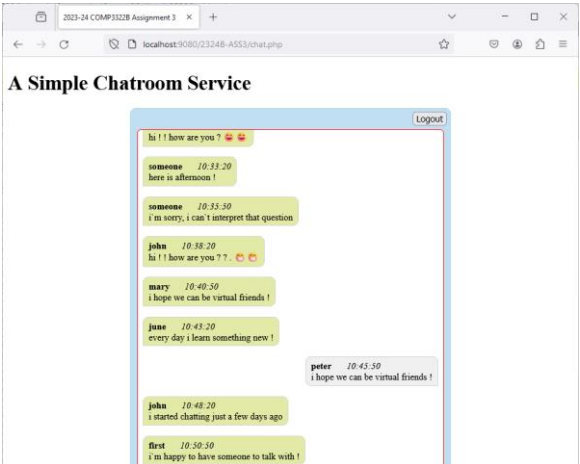
POST /login.php

register, email, password

After successfully registered

redirection

GET /chat.php



Client

Server

2023-24 COMP3322B Assignment 3

localhost:9080/2324B-ASS3/login.php

A Simple Chatroom Service

Register an Account

Registration

Email:

Password:

Confirm:

[Click here](#) for login

You have registered before!!

Login to Chatroom

Login

Email:

Password:

[Click here](#) to register an account

Failed to register. Already registered before!!

GET /check.php?email=june@connect.hku.hk

You have registered before!!

User ignores
the warning!!

POST /login.php

login, **known**, password

Other validations

- @connect.hku.hk email address
- Check the two passwords
- Missing email address
- Missing password

Please enter a valid HKU @connect email address

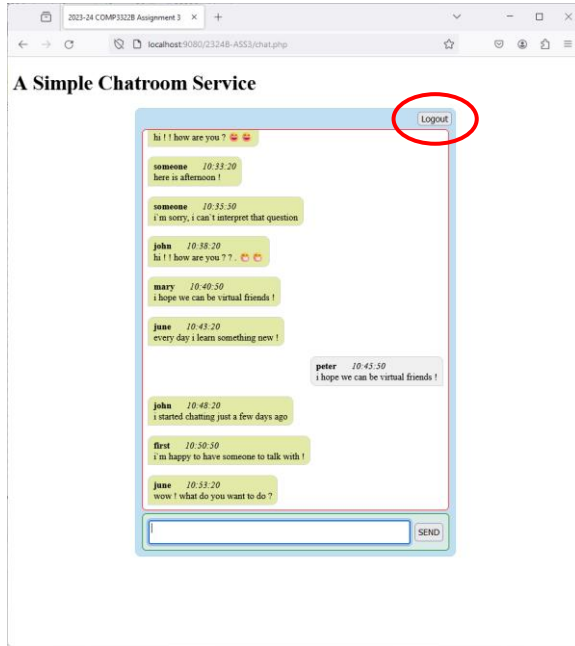
Mismatch passwords!!

Missing Email address!!

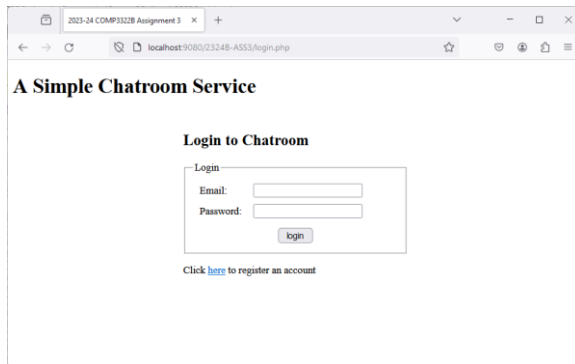
Please provide the password

Client

Server



GET /login.php?action=signout

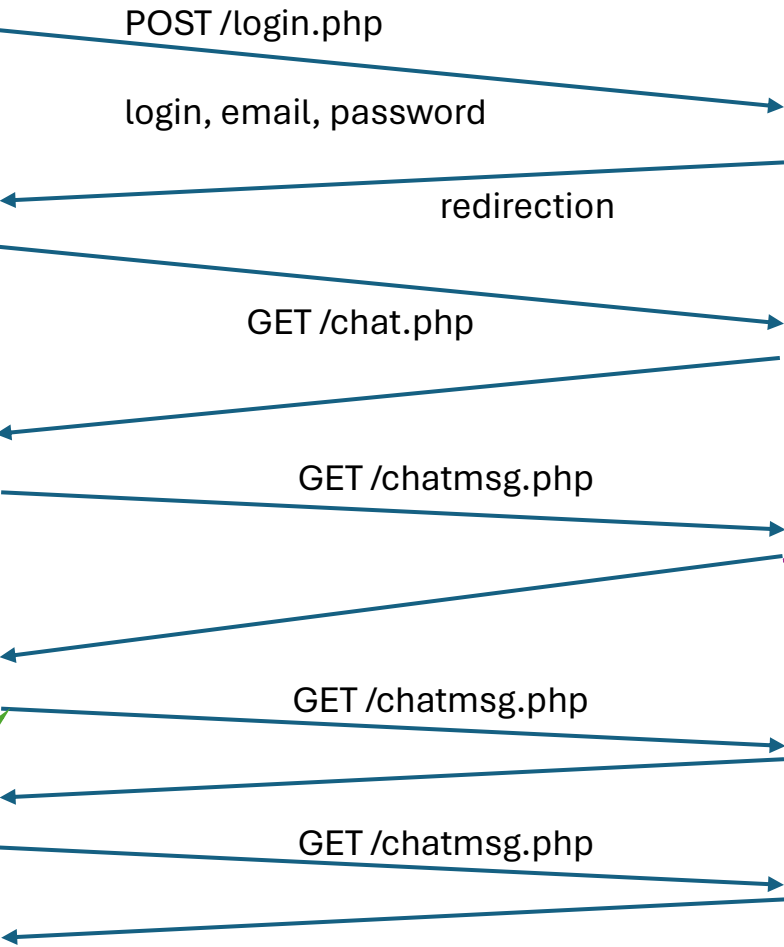
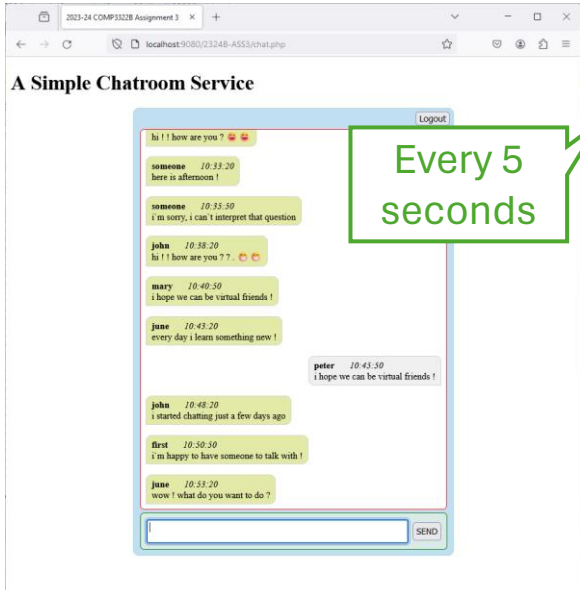
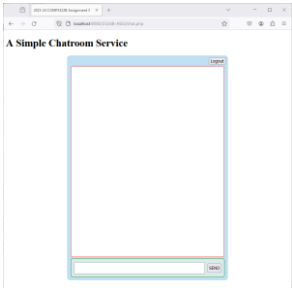
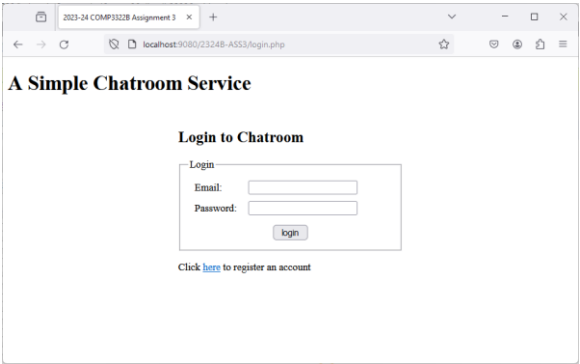


```
CREATE TABLE `account` (  
  `id` smallint NOT NULL AUTO_INCREMENT,  
  `useremail` varchar(60) NOT NULL,  
  `password` varchar(50) NOT NULL,  
  PRIMARY KEY (`id`)  
);
```

You can design your schema for the account table

Client

Server



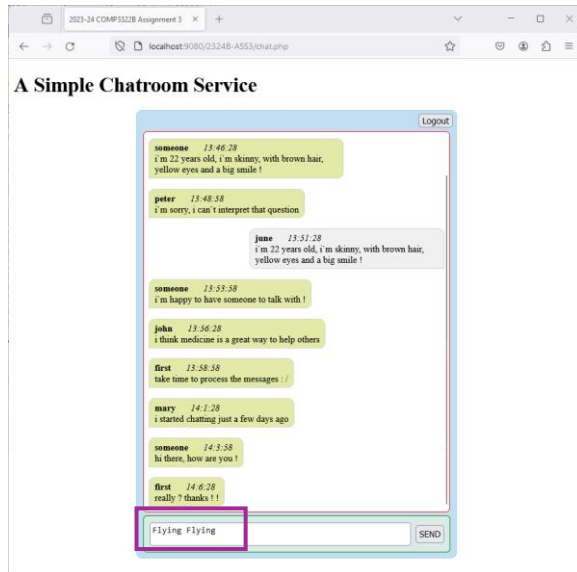
Return all chat messages that were posted in the past hour

Return any new messages

Every 5 seconds

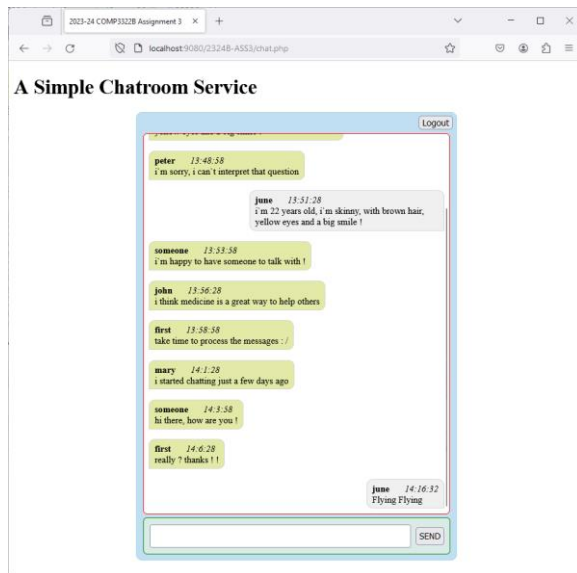
Client

Server



POST /chatmsg.php

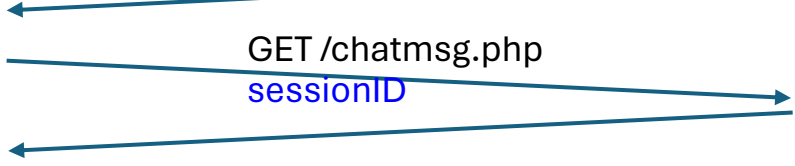
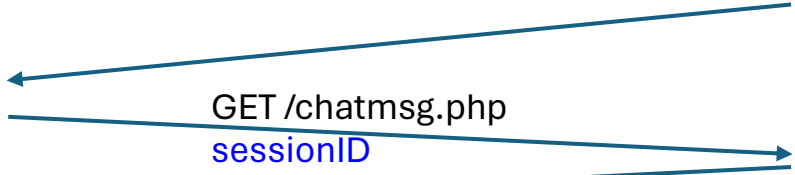
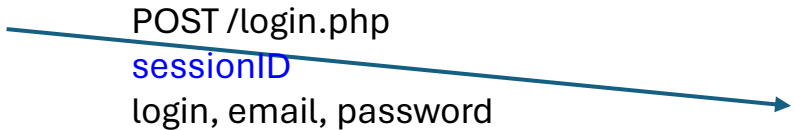
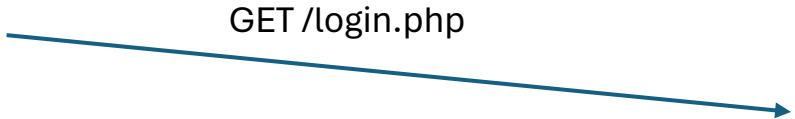
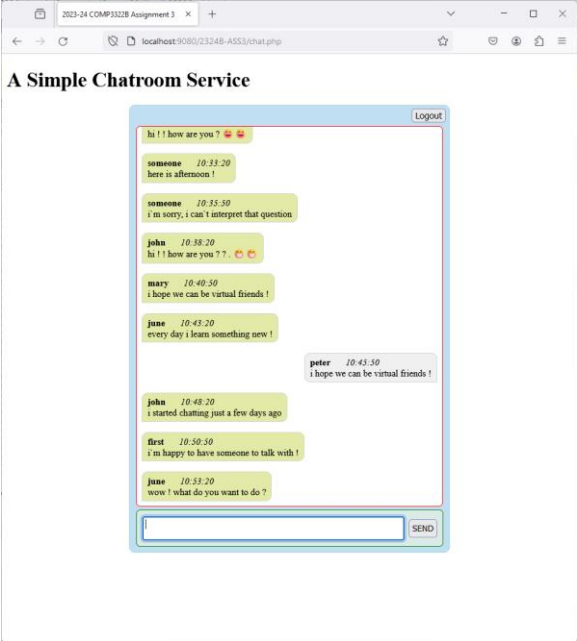
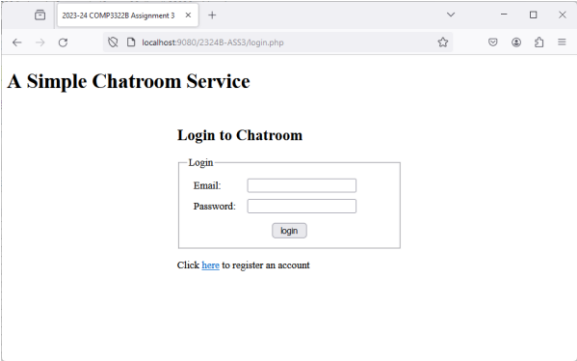
message



When to display the message on the message window is an implementation decision

Client

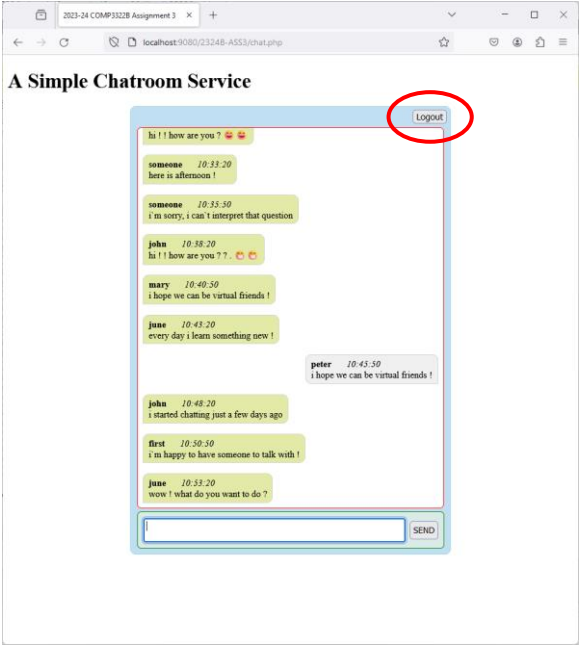
Server



Authenticated

Client

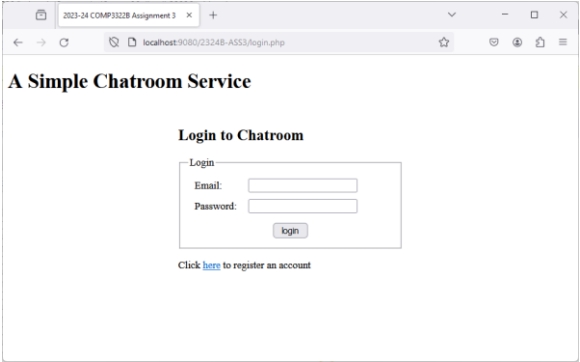
Server



GET /login.php?action=signout
sessionID

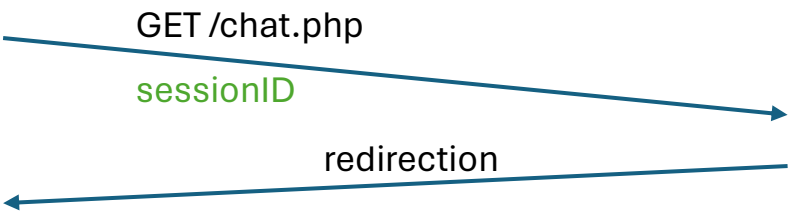
Logout

new sessionID



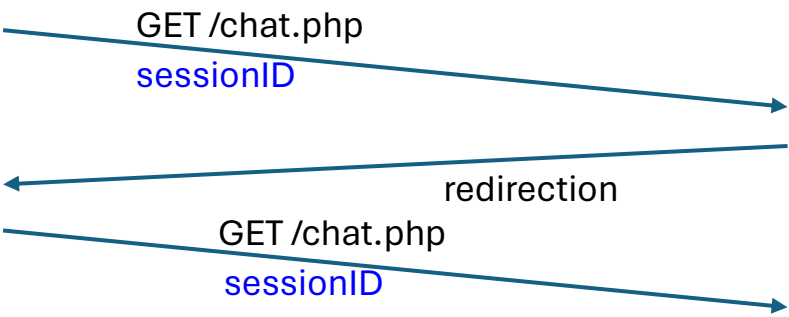
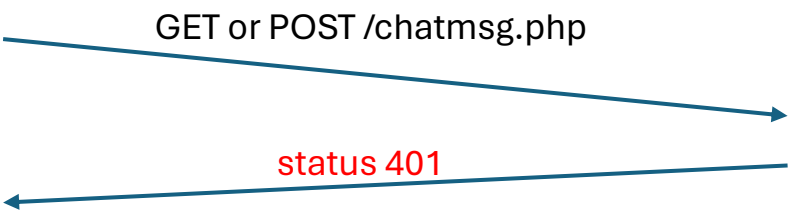
Client

Server

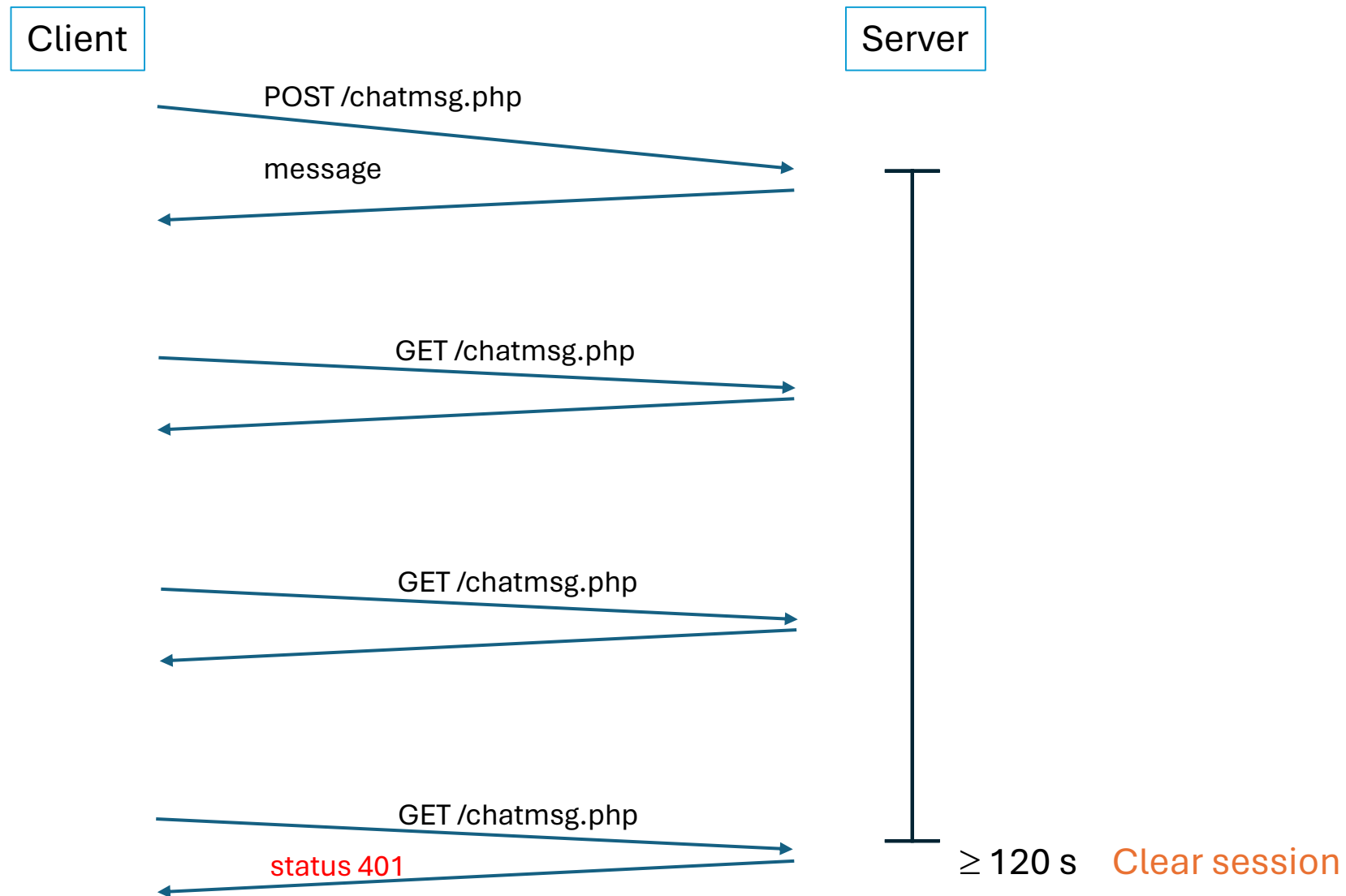


Not Authenticated

Redirect to login.php



Authenticated



```
CREATE TABLE `message` (  
  `msgid` int NOT NULL AUTO_INCREMENT,  
  `time` bigint NOT NULL,  
  `message` varchar(250) NOT NULL,  
  `person` varchar(20) NOT NULL,  
  PRIMARY KEY (`msgid`)  
);
```

You can design your schema for storing the chat messages