**Signup.php:**

<?php

session\_start();

if (!isset($\_SESSION['username'])) {

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Chat App - Sign Up</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOOl7+AMvyTG2x" crossorigin="anonymous">

<link rel="stylesheet"

href="css/style.css">

<link rel="icon" href="img/logo.png">

</head>

<body class="d-flex

justify-content-center

align-items-center

vh-100">

<div class="w-400 p-5 shadow rounded">

<form method="post"

action="app/http/signup.php"

enctype="multipart/form-data">

<div class="d-flex

justify-content-center

align-items-center

flex-column">

<img src="img/logo.png"

class="w-25">

<h3 class="display-4 fs-1

text-center">

Sign Up</h3>

</div>

<?php if (isset($\_GET['error'])) { ?>

<div class="alert alert-warning" role="alert">

<?php echo htmlspecialchars($\_GET['error']);?>

</div>

<?php }

if (isset($\_GET['name'])) {

$name = $\_GET['name'];

}else $name = '';

if (isset($\_GET['username'])) {

$username = $\_GET['username'];

}else $username = '';

?>

<div class="mb-3">

<label class="form-label">

Name</label>

<input type="text"

name="name"

value="<?=$name?>"

class="form-control">

</div>

<div class="mb-3">

<label class="form-label">

User name</label>

<input type="text"

class="form-control"

value="<?=$username?>"

name="username">

</div>

<div class="mb-3">

<label class="form-label">

Password</label>

<input type="password"

class="form-control"

name="password">

</div>

<div class="mb-3">

<label class="form-label">

Profile Picture</label>

<input type="file"

class="form-control"

name="pp">

</div>

<button type="submit"

class="btn btn-primary">

Sign Up</button>

<a href="index.php">Login</a>

</form>

</div>

</body>

</html>

<?php

}else{

header("Location: home.php");

exit;

}

?>

**User:**

<?php

function getUser($username, $conn){

$sql = "SELECT \* FROM users

WHERE username=?";

$stmt = $conn->prepare($sql);

$stmt->execute([$username]);

if ($stmt->rowCount() === 1) {

$user = $stmt->fetch();

return $user;

}else {

$user = [];

return $user;

}

}

**Update last seen:**

<?php

session\_start();

# check if the user is logged in

if (isset($\_SESSION['username'])) {

# database connection file

include '../db.conn.php';

# get the logged in user's username from SESSION

$id = $\_SESSION['user\_id'];

$sql = "UPDATE users

SET last\_seen = NOW()

WHERE user\_id = ?";

$stmt = $conn->prepare($sql);

$stmt->execute([$id]);

}else {

header("Location: ../../index.php");

exit;

}

**Time ago:**

<?php

// setting up the time Zone

// It Depends on your location or your P.c settings

define('TIMEZONE', 'Africa/Addis\_Ababa');

date\_default\_timezone\_set(TIMEZONE);

function last\_seen($date\_time){

$timestamp = strtotime($date\_time);

$strTime = array("second", "minute", "hour", "day", "month", "year");

$length = array("60","60","24","30","12","10");

$currentTime = time();

if($currentTime >= $timestamp) {

$diff = time()- $timestamp;

for($i = 0; $diff >= $length[$i] && $i < count($length)-1; $i++) {

$diff = $diff / $length[$i];

}

$diff = round($diff);

if ($diff < 59 && $strTime[$i] == "second") {

return 'Active';

}else {

return $diff . " " . $strTime[$i] . "(s) ago ";

}

}

}

**Style:**

font-size: 1.4rem;

}

small {

color: #bbb;

font-size: 0.7rem;

text-align: right;

}

.chat-box {

overflow-y: auto;

overflow-x: hidden;

max-height: 50vh;

}

.rtext {

width: 65%;

background: #f8f9fa;

color: #444;

}

.ltext {

width: 65%;

background: #3289c8;

color: #fff;

}

/\* width \*/

\*::-webkit-scrollbar {

width: 3px;

}

/\* Track \*/

\*::-webkit-scrollbar-track {

background: #f1f1f1;

}

/\* Handle \*/

\*::-webkit-scrollbar-thumb {

background: #aaa;

}

/\* Handle on hover \*/

\*::-webkit-scrollbar-thumb:hover {

background: #3289c8;

}

textarea {

resize: none;

}

**Signup:**

<?php

# check if username, password, name submitted

if(isset($\_POST['username']) &&

isset($\_POST['password']) &&

isset($\_POST['name'])){

# database connection file

include '../db.conn.php';

# get data from POST request and store them in var

$name = $\_POST['name'];

$password = $\_POST['password'];

$username = $\_POST['username'];

# making URL data format

$data = 'name='.$name.'&username='.$username;

#simple form Validation

if (empty($name)) {

# error message

$em = "Name is required";

# redirect to 'signup.php' and passing error message

header("Location: ../../signup.php?error=$em");

exit;

}else if(empty($username)){

# error message

$em = "Username is required";

/\*

redirect to 'signup.php' and

passing error message and data

\*/

header("Location: ../../signup.php?error=$em&$data");

exit;

}else if(empty($password)){

# error message

$em = "Password is required";

/\*

redirect to 'signup.php' and

passing error message and data

\*/

header("Location: ../../signup.php?error=$em&$data");

exit;

}else {

# checking the database if the username is taken

$sql = "SELECT username

FROM users

WHERE username=?";

$stmt = $conn->prepare($sql);

$stmt->execute([$username]);

if($stmt->rowCount() > 0){

$em = "The username ($username) is taken";

header("Location: ../../signup.php?error=$em&$data");

exit;

}else {

# Profile Picture Uploading

if (isset($\_FILES['pp'])) {

# get data and store them in var

$img\_name = $\_FILES['pp']['name'];

$tmp\_name = $\_FILES['pp']['tmp\_name'];

$error = $\_FILES['pp']['error'];

# if there is not error occurred while uploading

if($error === 0){

# get image extension store it in var

$img\_ex = pathinfo($img\_name, PATHINFO\_EXTENSION);

/\*\*

convert the image extension into lower case

and store it in var

\*\*/

$img\_ex\_lc = strtolower($img\_ex);

/\*\*

crating array that stores allowed

to upload image extension.

\*\*/

$allowed\_exs = array("jpg", "jpeg", "png");

/\*\*

check if the the image extension

is present in $allowed\_exs array

\*\*/

if (in\_array($img\_ex\_lc, $allowed\_exs)) {

/\*\*

renaming the image with user's username

like: username.$img\_ex\_lc

\*\*/

$new\_img\_name = $username. '.'.$img\_ex\_lc;

# crating upload path on root directory

$img\_upload\_path = '../../uploads/'.$new\_img\_name;

# move uploaded image to ./upload folder

move\_uploaded\_file($tmp\_name, $img\_upload\_path);

}else {

$em = "You can't upload files of this type";

header("Location: ../../signup.php?error=$em&$data");

exit;

}

}

}

// password hashing

$password = password\_hash($password, PASSWORD\_DEFAULT);

# if the user upload Profile Picture

if (isset($new\_img\_name)) {

# inserting data into database

$sql = "INSERT INTO users

(name, username, password, p\_p)

VALUES (?,?,?,?)";

$stmt = $conn->prepare($sql);

$stmt->execute([$name, $username, $password, $new\_img\_name]);

}else {

# inserting data into database

$sql = "INSERT INTO users

(name, username, password)

VALUES (?,?,?)";

$stmt = $conn->prepare($sql);

$stmt->execute([$name, $username, $password]);

}

# success message

$sm = "Account created successfully";

# redirect to 'index.php' and passing success message

header("Location: ../../index.php?success=$sm");

exit;

}

}

}else {

header("Location: ../../signup.php");

exit;

}

**Search:**

<?php

session\_start();

# check if the user is logged in

if (isset($\_SESSION['username'])) {

# check if the key is submitted

if(isset($\_POST['key'])){

# database connection file

include '../db.conn.php';

# creating simple search algorithm :)

$key = "%{$\_POST['key']}%";

$sql = "SELECT \* FROM users

WHERE username

LIKE ? OR name LIKE ?";

$stmt = $conn->prepare($sql);

$stmt->execute([$key, $key]);

if($stmt->rowCount() > 0){

$users = $stmt->fetchAll();

foreach ($users as $user) {

if ($user['user\_id'] == $\_SESSION['user\_id']) continue;

?>

<li class="list-group-item">

<a href="chat.php?user=<?=$user['username']?>"

class="d-flex

justify-content-between

align-items-center p-2">

<div class="d-flex

align-items-center">

<img src="uploads/<?=$user['p\_p']?>"

class="w-10 rounded-circle">

<h3 class="fs-xs m-2">

<?=$user['name']?>

</h3>

</div>

</a>

</li>

<?php } }else { ?>

<div class="alert alert-info

text-center">

<i class="fa fa-user-times d-block fs-big"></i>

The user "<?=htmlspecialchars($\_POST['key'])?>"

is not found.

</div>

<?php }

}

}else {

header("Location: ../../index.php");

exit;

}

**Opened:**

<?php

function opened($id\_1, $conn, $chats){

foreach ($chats as $chat) {

if ($chat['opened'] == 0) {

$opened = 1;

$chat\_id = $chat['chat\_id'];

$sql = "UPDATE chats

SET opened = ?

WHERE from\_id=?

AND chat\_id = ?";

$stmt = $conn->prepare($sql);

$stmt->execute([$opened, $id\_1, $chat\_id]);

}

}

}

**Logout:**

<?php

session\_start();

session\_unset();

session\_destroy();

header("Location: index.php");

exit;

**Last chat:**

<?php

function lastChat($id\_1, $id\_2, $conn){

$sql = "SELECT \* FROM chats

WHERE (from\_id=? AND to\_id=?)

OR (to\_id=? AND from\_id=?)

ORDER BY chat\_id DESC LIMIT 1";

$stmt = $conn->prepare($sql);

$stmt->execute([$id\_1, $id\_2, $id\_1, $id\_2]);

if ($stmt->rowCount() > 0) {

$chat = $stmt->fetch();

return $chat['message'];

}else {

$chat = '';

return $chat;

}

}

**Insert:**

<?php

session\_start();

# check if the user is logged in

if (isset($\_SESSION['username'])) {

if (isset($\_POST['message']) &&

isset($\_POST['to\_id'])) {

# database connection file

include '../db.conn.php';

# get data from XHR request and store them in var

$message = $\_POST['message'];

$to\_id = $\_POST['to\_id'];

# get the logged in user's username from the SESSION

$from\_id = $\_SESSION['user\_id'];

$sql = "INSERT INTO

chats (from\_id, to\_id, message)

VALUES (?, ?, ?)";

$stmt = $conn->prepare($sql);

$res = $stmt->execute([$from\_id, $to\_id, $message]);

# if the message inserted

if ($res) {

/\*\*

check if this is the first

conversation between them

\*\*/

$sql2 = "SELECT \* FROM conversations

WHERE (user\_1=? AND user\_2=?)

OR (user\_2=? AND user\_1=?)";

$stmt2 = $conn->prepare($sql2);

$stmt2->execute([$from\_id, $to\_id, $from\_id, $to\_id]);

// setting up the time Zone

// It Depends on your location or your P.c settings

define('TIMEZONE', 'Africa/Addis\_Ababa');

date\_default\_timezone\_set(TIMEZONE);

$time = date("h:i:s a");

if ($stmt2->rowCount() == 0 ) {

# insert them into conversations table

$sql3 = "INSERT INTO

conversations(user\_1, user\_2)

VALUES (?,?)";

$stmt3 = $conn->prepare($sql3);

$stmt3->execute([$from\_id, $to\_id]);

}

?>

<p class="rtext align-self-end

border rounded p-2 mb-1">

<?=$message?>

<small class="d-block"><?=$time?></small>

</p>

<?php

}

}

}else {

header("Location: ../../index.php");

exit;

}

**Index:**

<?php

session\_start();

if (!isset($\_SESSION['username'])) {

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Chat App - Login</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOOl7+AMvyTG2x" crossorigin="anonymous">

<link rel="stylesheet"

href="css/style.css">

<link rel="icon" href="img/logo.png">

</head>

<body class="d-flex

justify-content-center

align-items-center

vh-100">

<div class="w-400 p-5 shadow rounded">

<form method="post"

action="app/http/auth.php">

<div class="d-flex

justify-content-center

align-items-center

flex-column">

<img src="img/logo.png"

class="w-25">

<h3 class="display-4 fs-1

text-center">

LOGIN</h3>

</div>

<?php if (isset($\_GET['error'])) { ?>

<div class="alert alert-warning" role="alert">

<?php echo htmlspecialchars($\_GET['error']);?>

</div>

<?php } ?>

<?php if (isset($\_GET['success'])) { ?>

<div class="alert alert-success" role="alert">

<?php echo htmlspecialchars($\_GET['success']);?>

</div>

<?php } ?>

<div class="mb-3">

<label class="form-label">

User name</label>

<input type="text"

class="form-control"

name="username">

</div>

<div class="mb-3">

<label class="form-label">

Password</label>

<input type="password"

class="form-control"

name="password">

</div>

<button type="submit"

class="btn btn-primary">

LOGIN</button>

<a href="signup.php">Sign Up</a>

</form>

</div>

</body>

</html>

<?php

}else{

header("Location: home.php");

exit;

}

?>

**Home:**

<?php

session\_start();

if (isset($\_SESSION['username'])) {

# database connection file

include 'app/db.conn.php';

include 'app/helpers/user.php';

include 'app/helpers/conversations.php';

include 'app/helpers/timeAgo.php';

include 'app/helpers/last\_chat.php';

# Getting User data data

$user = getUser($\_SESSION['username'], $conn);

# Getting User conversations

$conversations = getConversation($user['user\_id'], $conn);

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Chat App - Home</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOOl7+AMvyTG2x" crossorigin="anonymous">

<link rel="stylesheet"

href="css/style.css">

<link rel="icon" href="img/logo.png">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

</head>

<body class="d-flex

justify-content-center

align-items-center

vh-100">

<div class="p-2 w-400

rounded shadow">

<div>

<div class="d-flex

mb-3 p-3 bg-light

justify-content-between

align-items-center">

<div class="d-flex

align-items-center">

<img src="uploads/<?=$user['p\_p']?>"

class="w-25 rounded-circle">

<h3 class="fs-xs m-2"><?=$user['name']?></h3>

</div>

<a href="logout.php"

class="btn btn-dark">Logout</a>

</div>

<div class="input-group mb-3">

<input type="text"

placeholder="Search..."

id="searchText"

class="form-control">

<button class="btn btn-primary"

id="serachBtn">

<i class="fa fa-search"></i>

</button>

</div>

<ul id="chatList"

class="list-group mvh-50 overflow-auto">

<?php if (!empty($conversations)) { ?>

<?php

foreach ($conversations as $conversation){ ?>

<li class="list-group-item">

<a href="chat.php?user=<?=$conversation['username']?>"

class="d-flex

justify-content-between

align-items-center p-2">

<div class="d-flex

align-items-center">

<img src="uploads/<?=$conversation['p\_p']?>"

class="w-10 rounded-circle">

<h3 class="fs-xs m-2">

<?=$conversation['name']?><br>

<small>

<?php

echo lastChat($\_SESSION['user\_id'], $conversation['user\_id'], $conn);

?>

</small>

</h3>

</div>

<?php if (last\_seen($conversation['last\_seen']) == "Active") { ?>

<div title="online">

<div class="online"></div>

</div>

<?php } ?>

</a>

</li>

<?php } ?>

<?php }else{ ?>

<div class="alert alert-info

text-center">

<i class="fa fa-comments d-block fs-big"></i>

No messages yet, Start the conversation

</div>

<?php } ?>

</ul>

</div>

</div>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

// Search

$("#searchText").on("input", function(){

var searchText = $(this).val();

if(searchText == "") return;

$.post('app/ajax/search.php',

{

key: searchText

},

function(data, status){

$("#chatList").html(data);

});

});

// Search using the button

$("#serachBtn").on("click", function(){

var searchText = $("#searchText").val();

if(searchText == "") return;

$.post('app/ajax/search.php',

{

key: searchText

},

function(data, status){

$("#chatList").html(data);

});

});

/\*\*

auto update last seen

for logged in user

\*\*/

let lastSeenUpdate = function(){

$.get("app/ajax/update\_last\_seen.php");

}

lastSeenUpdate();

/\*\*

auto update last seen

every 10 sec

\*\*/

setInterval(lastSeenUpdate, 10000);

});

</script>

</body>

</html>

<?php

}else{

header("Location: index.php");

exit;

}

?>

**Getmessage:**

<?php

session\_start();

# check if the user is logged in

if (isset($\_SESSION['username'])) {

if (isset($\_POST['id\_2'])) {

# database connection file

include '../db.conn.php';

$id\_1 = $\_SESSION['user\_id'];

$id\_2 = $\_POST['id\_2'];

$opend = 0;

$sql = "SELECT \* FROM chats

WHERE to\_id=?

AND from\_id= ?

ORDER BY chat\_id ASC";

$stmt = $conn->prepare($sql);

$stmt->execute([$id\_1, $id\_2]);

if ($stmt->rowCount() > 0) {

$chats = $stmt->fetchAll();

# looping through the chats

foreach ($chats as $chat) {

if ($chat['opened'] == 0) {

$opened = 1;

$chat\_id = $chat['chat\_id'];

$sql2 = "UPDATE chats

SET opened = ?

WHERE chat\_id = ?";

$stmt2 = $conn->prepare($sql2);

$stmt2->execute([$opened, $chat\_id]);

?>

<p class="ltext border

rounded p-2 mb-1">

<?=$chat['message']?>

<small class="d-block">

<?=$chat['created\_at']?>

</small>

</p>

<?php

}

}

}

}

}else {

header("Location: ../../index.php");

exit;

}

**Db.conn:**

<?php

# server name

$sName = "localhost";

# user name

$uName = "root";

# password

$pass = "";

# database name

$db\_name = "chat\_app\_db";

#creating database connection

try {

$conn = new PDO("mysql:host=$sName;dbname=$db\_name",

$uName, $pass);

$conn->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

}catch(PDOException $e){

echo "Connection failed : ". $e->getMessage();

}

**Conversation:**

<?php

function getConversation($user\_id, $conn){

/\*\*

Getting all the conversations

for current (logged in) user

\*\*/

$sql = "SELECT \* FROM conversations

WHERE user\_1=? OR user\_2=?

ORDER BY conversation\_id DESC";

$stmt = $conn->prepare($sql);

$stmt->execute([$user\_id, $user\_id]);

if($stmt->rowCount() > 0){

$conversations = $stmt->fetchAll();

/\*\*

creating empty array to

store the user conversation

\*\*/

$user\_data = [];

# looping through the conversations

foreach($conversations as $conversation){

# if conversations user\_1 row equal to user\_id

if ($conversation['user\_1'] == $user\_id) {

$sql2 = "SELECT \*

FROM users WHERE user\_id=?";

$stmt2 = $conn->prepare($sql2);

$stmt2->execute([$conversation['user\_2']]);

}else {

$sql2 = "SELECT \*

FROM users WHERE user\_id=?";

$stmt2 = $conn->prepare($sql2);

$stmt2->execute([$conversation['user\_1']]);

}

$allConversations = $stmt2->fetchAll();

# pushing the data into the array

array\_push($user\_data, $allConversations[0]);

}

return $user\_data;

}else {

$conversations = [];

return $conversations;

}

}

**Chat:**

<?php

session\_start();

if (isset($\_SESSION['username'])) {

# database connection file

include 'app/db.conn.php';

include 'app/helpers/user.php';

include 'app/helpers/chat.php';

include 'app/helpers/opened.php';

include 'app/helpers/timeAgo.php';

if (!isset($\_GET['user'])) {

header("Location: home.php");

exit;

}

# Getting User data data

$chatWith = getUser($\_GET['user'], $conn);

if (empty($chatWith)) {

header("Location: home.php");

exit;

}

$chats = getChats($\_SESSION['user\_id'], $chatWith['user\_id'], $conn);

opened($chatWith['user\_id'], $conn, $chats);

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Chat App</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOOl7+AMvyTG2x" crossorigin="anonymous">

<link rel="stylesheet"

href="css/style.css">

<link rel="icon" href="img/logo.png">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

</head>

<body class="d-flex

justify-content-center

align-items-center

vh-100">

<div class="w-400 shadow p-4 rounded">

<a href="home.php"

class="fs-4 link-dark">&#8592;</a>

<div class="d-flex align-items-center">

<img src="uploads/<?=$chatWith['p\_p']?>"

class="w-15 rounded-circle">

<h3 class="display-4 fs-sm m-2">

<?=$chatWith['name']?> <br>

<div class="d-flex

align-items-center"

title="online">

<?php

if (last\_seen($chatWith['last\_seen']) == "Active") {

?>

<div class="online"></div>

<small class="d-block p-1">Online</small>

<?php }else{ ?>

<small class="d-block p-1">

Last seen:

<?=last\_seen($chatWith['last\_seen'])?>

</small>

<?php } ?>

</div>

</h3>

</div>

<div class="shadow p-4 rounded

d-flex flex-column

mt-2 chat-box"

id="chatBox">

<?php

if (!empty($chats)) {

foreach($chats as $chat){

if($chat['from\_id'] == $\_SESSION['user\_id'])

{ ?>

<p class="rtext align-self-end

border rounded p-2 mb-1">

<?=$chat['message']?>

<small class="d-block">

<?=$chat['created\_at']?>

</small>

</p>

<?php }else{ ?>

<p class="ltext border

rounded p-2 mb-1">

<?=$chat['message']?>

<small class="d-block">

<?=$chat['created\_at']?>

</small>

</p>

<?php }

}

}else{ ?>

<div class="alert alert-info

text-center">

<i class="fa fa-comments d-block fs-big"></i>

No messages yet, Start the conversation

</div>

<?php } ?>

</div>

<div class="input-group mb-3">

<textarea cols="3"

id="message"

class="form-control"></textarea>

<button class="btn btn-primary"

id="sendBtn">

<i class="fa fa-paper-plane"></i>

</button>

</div>

</div>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script>

var scrollDown = function(){

let chatBox = document.getElementById('chatBox');

chatBox.scrollTop = chatBox.scrollHeight;

}

scrollDown();

$(document).ready(function(){

$("#sendBtn").on('click', function(){

message = $("#message").val();

if (message == "") return;

$.post("app/ajax/insert.php",

{

message: message,

to\_id: <?=$chatWith['user\_id']?>

},

function(data, status){

$("#message").val("");

$("#chatBox").append(data);

scrollDown();

});

});

/\*\*

auto update last seen

for logged in user

\*\*/

let lastSeenUpdate = function(){

$.get("app/ajax/update\_last\_seen.php");

}

lastSeenUpdate();

/\*\*

auto update last seen

every 10 sec

\*\*/

setInterval(lastSeenUpdate, 10000);

// auto refresh / reload

let fechData = function(){

$.post("app/ajax/getMessage.php",

{

id\_2: <?=$chatWith['user\_id']?>

},

function(data, status){

$("#chatBox").append(data);

if (data != "") scrollDown();

});

}

fechData();

/\*\*

auto update last seen

every 0.5 sec

\*\*/

setInterval(fechData, 500);

});

</script>

</body>

</html>

<?php

}else{

header("Location: index.php");

exit;

}

?>

**chat(1):**

<?php

function getChats($id\_1, $id\_2, $conn){

$sql = "SELECT \* FROM chats

WHERE (from\_id=? AND to\_id=?)

OR (to\_id=? AND from\_id=?)

ORDER BY chat\_id ASC";

$stmt = $conn->prepare($sql);

$stmt->execute([$id\_1, $id\_2, $id\_1, $id\_2]);

if ($stmt->rowCount() > 0) {

$chats = $stmt->fetchAll();

return $chats;

}else {

$chats = [];

return $chats;

}

}

**Auth:**

<?php

session\_start();

# check if username & password submitted

if(isset($\_POST['username']) &&

isset($\_POST['password'])){

# database connection file

include '../db.conn.php';

# get data from POST request and store them in var

$password = $\_POST['password'];

$username = $\_POST['username'];

#simple form Validation

if(empty($username)){

# error message

$em = "Username is required";

# redirect to 'index.php' and passing error message

header("Location: ../../index.php?error=$em");

}else if(empty($password)){

# error message

$em = "Password is required";

# redirect to 'index.php' and passing error message

header("Location: ../../index.php?error=$em");

}else {

$sql = "SELECT \* FROM

users WHERE username=?";

$stmt = $conn->prepare($sql);

$stmt->execute([$username]);

# if the username is exist

if($stmt->rowCount() === 1){

# fetching user data

$user = $stmt->fetch();

# if both username's are strictly equal

if ($user['username'] === $username) {

# verifying the encrypted password

if (password\_verify($password, $user['password'])) {

# successfully logged in

# creating the SESSION

$\_SESSION['username'] = $user['username'];

$\_SESSION['name'] = $user['name'];

$\_SESSION['user\_id'] = $user['user\_id'];

# redirect to 'home.php'

header("Location: ../../home.php");

}else {

# error message

$em = "Incorect Username or password";

# redirect to 'index.php' and passing error message

header("Location: ../../index.php?error=$em");

}

}else {

# error message

$em = "Incorect Username or password";

# redirect to 'index.php' and passing error message

header("Location: ../../index.php?error=$em");

}

}

}

}else {

header("Location: ../../index.php");

exit;