Web Chat

Online Gossip and Chatting Site

* **INTRODUCTION**

Web chat is a free online chat website that allows users to connect with others.

That web site in many users can chat at a time and they can upload file.

Front-end : HTML , CSS , JavaScript , jQuery

Back-end : PHP , MYSQL

Editor : Visual Studio Code

Icons : Bootstrap

Software : Xampp

**Xampp :**

[**Stable release**](https://www.google.com/search?q=xampp+stable+release&sa=X&ved=2ahUKEwj344ve_637AhUfnFYBHSD1CKkQ6BMoAHoECFoQAg)**: 8.1.10 / 1 October 2022;**

XAMPP is a cross-platform web server that is free and open-source. XAMPP is a short form for Cross-Platform, Apache, MySQL, PHP, and Perl. XAMPP is a popular cross-platform web server that allows programmers to write and test their code on a local webserver. It was created by Apache Friends, and the public can revise or modify its native source code. It includes MariaDB, Apache HTTP Server, and interpreters for PHP and Perl, among other computer languages.Because of XAMPP’s simplicity of deployment, a developer can quickly and easily install a WAMP or LAMP stack on an operating system, with the added benefit that common add-in apps like WordPress and Joomla can also be loaded.

#### **Advantages:**

* In comparison to other web servers such as WAMP, it is simple to set up.
* It is Multi Cross-Platform, which implies it works on both Windows and Linux.
* With a single command, you may start and stop the entire web server and database stack.
* Both a full and a standard version of XAMPP are available.
* It has a control panel that you can see contains start and stop buttons for specific mechanisms, such as Apache, which is running through its Control Panel.
* It also includes OpenSSL, phpMyAdmin, MediaWiki, Joomla, WordPress, and a lot of additional modules.

## **PHP**

PHP is a general-purpose scripting language geared toward web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1993 and released in 1995. The PHP reference implementation is now produced by The PHP Group.

[Stable release](https://www.google.com/search?q=php+stable+release&sa=X&ved=2ahUKEwj7hPCeha77AhWvtlYBHWevAakQ6BMoAHoECGYQAg): 8.1.12

PHP stands for **Hypertext Pre-Processor**. PHP is a scripting language used to develop static and dynamic webpages and web applications. Here are a few important things you must know about PHP:

1. PHP is an Interpreted language, hence it doesn't need a compiler.
2. To run and execute PHP code, we need a Web server on which PHP must be installed.
3. PHP is a server side scripting language, which means that PHP is executed on the server and the result is sent to the browser in plain HTML.
4. PHP is open source and free.

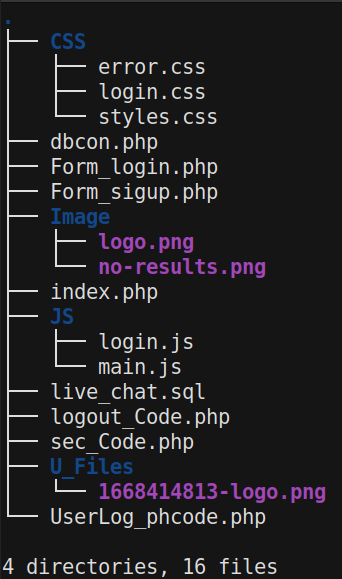
**Bootstrap**

Bootstrap

Bootstrap is a free, open source front-end development framework for the creation of websites and web apps. Designed to enable responsive development of mobile-first websites, Bootstrap provides a collection of syntax for template designs.

**Visual Studio Code**

Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as Visual Studio IDE.

* **File Structure**

**dbcon.php**

That file in code for connect to database server.

<?php

$conn = mysqli\_connect("localhost", "root", "", "live\_chat");

if (!$conn) {

die("DataBaseecho");

}

?>

**Logout\_code.php**

That file in code for destroy current session when user click log out button?

<?php

session\_start();

if(isset($\_POST['Log\_Out'])){

session\_destroy();

unset($\_SESSION['User\_N']);

header('location: Form\_login.php');

}

?>

**Sec\_Code.php**

That file for security perpose . In this file code mange both Site session and database connection. When session is not set than user redirect to login page.

<?php

include("dbcon.php");

?>

<?php

if (!$\_SESSION['User\_N']) {

header("location: Form\_login.php");

}

?>

**Main.js**

That file in jQuery code. That file in show / hide of input box.

When user click pdf icon than show file upload box and uploading file And hide chat box and when click chat box icon than show chat box and hide file upload box. And **#option** id is use for hide / show pdf and chat icons.

$(document).ready(function () {

$('#option').click(function () {

$('#chat\_B').slideToggle(500);

$('#pdf\_B').slideToggle(800);

});

$('#chat\_B').click(function () {

$('.opt').hide(500);

$('#file\_input').hide();

$('#ChatsBox').show(100);

});

$('#pdf\_B').click(function () {

$('.opt').hide(500);

$('#ChatsBox').hide();

$('#file\_input').show(100);

});

});

**Login.js**

That file is use for show and hide password in login and signup page

var ShowHide = document.getElementById("show\_hide\_password");

var User\_password = document.getElementById("Upassword");

// password show hide

ShowHide.addEventListener("click",function(){

if (User\_password.type== "password") {

User\_password.type = "teUser\_password\_valuet";

ShowHide.classList.remove("bi-eye-fill");

ShowHide.classList.add("bi-eye-slash-fill");

}else{

User\_password.type = "password";

ShowHide.classList.remove("bi-eye-slash-fill");

ShowHide.classList.add("bi-eye-fill");

}

});

// hide show icon

User\_password.addEventListener("keyup",function(){

var User\_password\_value = document.getElementById("Upassword").value;

if (User\_password\_value.length < 1) {

document.getElementById("show\_hide\_password").style.display = "none";

}else{

document.getElementById("show\_hide\_password").style.display = "block";

}

})

**UserLog\_phcode.php**

that file use for display error When user login and sign up not valid.

When user login and user are enter wrong detail like not user name and password display error and if user are valid than redirect index.php file and start session.

When user sign up and user are enter detail like not user name and email if that detail exists in database than display error else redirect login page.

<?php

include "dbcon.php";

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

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

<link rel="stylesheet" href="CSS/error.css">

<link rel="icon" href="Image/lgog.png">

</head>

<?php

$User\_Name\_Used = false;

$User\_Email\_Used = false;

$User\_Not\_Found = false;

?>

<!-- Sign up start-->

<?php

if (isset($\_POST['U\_Signup'])) {

$select\_User\_Q = "SELECT \* FROM user\_table WHERE UNAME = '$\_POST[U\_name]'";

$select\_user\_Result = mysqli\_query($Db\_con, $select\_User\_Q);

$select\_Email\_Q = "SELECT \* FROM user\_table WHERE UEMAIL = '$\_POST[U\_email]'";

$select\_email\_Result = mysqli\_query($Db\_con, $select\_Email\_Q);

if (mysqli\_num\_rows($select\_user\_Result) > 0) {

$User\_Name\_Used = true;

} elseif (mysqli\_num\_rows($select\_email\_Result) > 0) {

$User\_Email\_Used = true;

} else {

$inser\_pending\_Q = "INSERT INTO user\_table (UNAME, UPASSWORD, UEMAIL) VALUES ('$\_POST[U\_name]','$\_POST[U\_password]','$\_POST[U\_email]')";

$result\_inser = mysqli\_query($conn, $inser\_pending\_Q);

if ($result\_inser) {

header("location: Form\_login.php");

}

}

}

?>

<!-- end sign up -->

<!-- login start -->

<?php

if (isset($\_POST['U\_Login'])) {

$log\_select\_Q = "SELECT \* FROM user\_table WHERE UNAME = '$\_POST[U\_name]' AND UPASSWORD = '$\_POST[U\_password]'";

$log\_select\_Result = mysqli\_query($conn, $log\_select\_Q);

$log\_stutas\_res = mysqli\_fetch\_assoc($log\_select\_Result);

if ($log\_stutas\_res == 0) {

$User\_Not\_Found = true;

} else {

session\_start();

$\_SESSION['User\_N'] = $\_POST['U\_name'];

header("location:index.php");

}

}

?>

<!-- login end -->

<body>

<div class="container">

<div class="main">

<!-- Erorr list -->

<?php

if ($User\_Name\_Used) {

echo '

<div class="top">

<h1>Sign Up Faild <i class="bi bi-person-x-fill"></i></h1>

</div>

<div class="box detail">

<h2> <span> ' . $\_POST['U\_name'] . '</span> User Name is Alredy Use. Please Enter different <span> User Name</span>.</h2>

</div>

<a href="Form\_sigup.php" class="Button"> Re Sign Up <i class="bi bi-arrow-right-short"></i></a>

';

} elseif ($User\_Email\_Used) {

echo '

<div class="top">

<h1>Sign Up Faild <i class="bi bi-envelope-exclamation"></i></h1>

</div>

<div class="box detail">

<h2> Enter <i class="bi bi-envelope"></i> <span> ' . $\_POST['U\_email'] . ' </span> Email Address is Alredy Use. Please Enter different <span> Email Address</span>.</h2>

</div>

<a href="Form\_sigup.php" class="Button"> Re Sign Up <i class="bi bi-arrow-right-short"></i></a>

';

} elseif ($User\_Not\_Found) {

echo '

<div class="top">

<h1>User Not Found </h1>

<img src="Image/no-results.png">

</div>

<div class="box detail">

<h2> Your User Name or Password <span>Not Match</span> Please Check.</h2>

</div>

<a href="Form\_login.php" class="Button red"> Re Log in</a>

';

}else {

echo "<h1> Bad Request </h1>";

}

?>

</div>

</div>

</body>

**Index.php**

that is main page for web chat. That in page in user chatting and upload file. This file in define css , jquery , icon cdn link in <head> that link required see design and icons.

<?php

session\_start();

Include("dbcon.php");

//include("sec\_code.php");

?>

<!DOCTYPE html>

<html lang="en">

<head>

<title>Web Chat</title>

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.8.1/font/bootstrap-icons.css">

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

<link rel="stylesheet" href="CSS/styles.css">

<script src="https://code.jquery.com/jquery-3.6.0.js"></script>

<script src="JS/main.js"></script>

</head>

<body onload="focusIn()">

<div class="header">

<div class="main">

<div class="top">

<div class="top1">

<span> <a href="https://henil.rf.gd/Live\_Chat/" class="logo">Web Chat </a></span>

<h3 class="live\_User"> Welcome <span class="live\_U"> <?php if (isset($\_SESSION['User\_N'])) {

$live\_U = $\_SESSION['User\_N'];

echo $live\_U;

} else {

echo "Guest";

} ?></span> </h3>

</div>

<div class="top2">

<a href="whatsapp://send?text=Join With Me for Live Chatting https://henil.rf.gd/Web\_Chat/ Come Fast." class="invite\_a bi bi-whatsapp" title="Send To What's app"></a>

<a class="bi bi-arrow-clockwise" href="index.php" id="ref"></a>

<?php if (isset($\_SESSION['User\_N'])) {

?>

<form action="logout\_Code.php" method="post" class="log\_Form">

<button name="Log\_Out" type="submit" class='login\_log'>Log out</button>

</form>

<?php

} else {

?>

<a href="Form\_login.php" name="Log\_Out" type="submit" class='login\_log'>Log in</a>

<?php

}

?>

</div>

</div>

<div class="chats" id="chat\_s">

<?php

date\_default\_timezone\_set("Asia/Calcutta");

$time\_C = date('d-M-Y g:i a');

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

$file = $\_FILES["file"]["name"];

$FiD\_Name = time() . $\_FILES["file"]["name"];

$cha = str\_ireplace("<", "&lt;", $\_POST['chat\_u']);

$chat = base64\_encode($cha);

if (move\_uploaded\_file($\_FILES["file"]["tmp\_name"], "U\_Files/" . $FiD\_Name)) {

header("Location: index.php");

}

$in = "insert into message (User\_Name,Message,file,File\_Name,Time\_Stamps) values ('$live\_U','$chat','$FiD\_Name','$file','$time\_C')";

mysqli\_query($conn, $in);

}

$select = "SELECT \* FROM message";

$result = mysqli\_query($conn, $select);

while ($r = mysqli\_fetch\_array($result)) {

echo " <div class='message'>

<div class='user'>

<span> " . $r['User\_Name'] . "</span>

</div>

<div class='userchat'>

<span >" . base64\_decode($r['Message']) . " </span>

<span > <a target='\_blank' class='hiper' href='U\_Files/" . $r['file'] . "'>" . $r['File\_Name'] . " </a></span>

</div>

<div class='time'>

<span>" . $r['Time\_Stamps'] . "</span>

</div>

</div> ";

}

?>

<p id="HP"></p>

</div>

<div class="optionB">

<label for="file\_input" class="bi bi-file-earmark-plus opt" id="pdf\_B"></label>

<span class="bi bi-chat-dots opt" id="chat\_B"></span>

</div>

<div class="bottom">

<?php

if (isset($\_SESSION['User\_N'])) {

?>

<div id="chat\_in">

<form method="POST" enctype="multipart/form-data" class="form">

<span class="bi bi-link-45deg" id="option"></span>

<input type="text" class="input" id="ChatsBox" name="chat\_u" autocomplete="off" placeholder="Type Message" title="Type Message">

<input type='file' class='file\_in none' id='file\_input' name='file' >

<button class="send bi bi-send" name="Done"> </button>

</form>

</div>

<?php

} else {

?>

<script>

setInterval(() => {

location.href = "Form\_login.php";

}, 5000)

</script>

<div class="SignUp">

<h1>Start Live Chat <a href="Form\_sigup.php" class="login">Sign up</a> </h1>

</div>

<?php

}

?>

</div>

</div>

</div>

</body>

</html>

<script>

function focusIn() {

window.location = "index.php#HP";

document.getElementById("ChatsBox").focus();

}

</script>

**Form\_Login.php**

when user login than page is redirect to UserLog\_phcode.php file for check user are valid or not.

<!DOCTYPE html>

<html lang="en">

<head>

<meta name="viewport" content="width=device-width,initial-scale=1,maximum-scale=1,user-scalable=no" />

<title> Log in | Henil Code</title>

<link rel="stylesheet" href="CSS/login.css">

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

</head>

<body>

<div class="main">

<div class="box">

<div class="header">

<img src="Image/logo.png" alt="not load">

<div class="h-data">

<a href="https://henil.rf.gd/Web\_Chat/" class="logo\_name">Henil Codes</a>

<h5>Welcome back!</h5>

</div>

</div>

<div class="infor">

<form autocomplete="off" action="UserLog\_phcode.php" method="post">

<div class="input\_box">

<span class="TagIn">User name</span>

<input type="text" name="U\_name" class="input" placeholder="type username" id="user" required

title="User Name">

</div>

<div class="input\_box">

<span class="TagIn">password</span>

<div class="passwor">

<input type="password" name="U\_password" class="inputx" placeholder="type Password" id="Upassword" required

title="Password">

<span class="bi bi-eye-fill" id="show\_hide\_password"></span>

</div>

</div>

<button class="Log\_Button" type="submit" id="login" name="U\_Login">Log in</button>

</form>

</div>

<div class="or">

<div class="desd"></div>

<span class="osr">OR</span>

<div class="desd"></div>

</div>

<div class="box1\_bottm">

<span class="crea">Don't have an account?</span> <a href="Form\_sigup.php" class="sign\_up"> Sign up</a>

</div>

</div>

<!-- <div class="box box2 Visible-hide">

<a href="" class="forget"><i class="bi bi-arrow-right"></i> Forgot password? </a>

</div> -->

<div class="Footer">

<span>&copy; 2022 <a href="https://henilcodes.github.io/PH/"> Henil Code</a> </span>

</div>

</body>

<script src="JS/login.js"></script>

</html>

**Form\_Signup.php**

when user signup than page is redirect to UserLog\_phcode.php file for check user are exists or not.

<!DOCTYPE html>

<html lang="en">

<head>

<meta name="viewport" content="width=device-width,initial-scale=1,maximum-scale=1,user-scalable=no" />

<title> Sign Up | Henil Code</title>

<link rel="stylesheet" href="CSS/login.css">

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

</head>

<body>

<div class="main">

<div class="box">

<div class="header">

<img src="Image/logo.png" alt="not load">

<div class="h-data">

<a href="https://henil.rf.gd/Web\_Chat/" class="logo\_name">Henil Codes</a>

<h5>Create Account</h5>

</div>

</div>

<div class="infor">

<form autocomplete="off" action="UserLog\_phcode.php" method="post">

<div class="input\_box">

<span class="TagIn">User name</span>

<input type="text" name="U\_name" class="input" placeholder="type username" id="user" required

title="User Name">

</div>

<div class="input\_box">

<span class="TagIn">Email Address</span>

<input type="email" name="U\_email" class="input" placeholder="type email" id="Uemail" required

title="Email Address">

</div>

<div class="input\_box">

<span class="TagIn">password</span>

<div class="passwor">

<input type="password" name="U\_password" class="inputx" placeholder="type Password"

id="Upassword" required title="Password">

<span class="bi bi-eye-fill" id="show\_hide\_password"></span>

</div>

</div>

<button class="Log\_Button" type="submit" id="login" name="U\_Signup">Sign Up</button>

</form>

</div>

<div class="or">

<div class="desd"></div>

<span class="osr">OR</span>

<div class="desd"></div>

</div>

<div class="box1\_bottm">

<span class="crea">Have an account?</span> <a href="Form\_login.php" class="sign\_up"> Log In</a>

</div>

</div>

<div class="Footer">

<span>© 2022 <a href="https://henilcodes.github.io/PH/"> Henil Code</a> </span>

</div>

</body>

<script src="JS/login.js"></script>

</html>