CHATBOX FOR STUDENTS:

CODE:

CREATE DATABASE chatbox;

USE chatbox;

CREATE TABLE messages (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL,

message TEXT NOT NULL,

timestamp TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

<?php

$servername = "localhost";

$username = "username";

$password = "password";

$dbname = "chatbox";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

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

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

$sql = "INSERT INTO messages (username, message) VALUES ('$username', '$message')";

$conn->query($sql);

}

$sql = "SELECT username, message, timestamp FROM messages ORDER BY timestamp DESC";

$result = $conn->query($sql);

$messages = [];

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

$messages[] = $row;

}

}

$conn->close();

echo json\_encode($messages);

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Student Chatbox</title>

<style>

body { font-family: Arial, sans-serif; }

#chatbox { width: 500px; height: 400px; border: 1px solid #ccc; overflow-y: scroll; padding: 10px; }

#messageForm { display: flex; }

#messageForm input[type="text"] { flex: 1; padding: 10px; }

#messageForm input[type="submit"] { padding: 10px; }

</style>

</head>

<body>

<h1>Student Chatbox</h1>

<div id="chatbox"></div>

<form id="messageForm">

<input type="text" id="username" placeholder="Your Name">

<input type="text" id="message" placeholder="Your Message">

<input type="submit" value="Send">

</form>

<script>

async function fetchMessages() {

const response = await fetch('chat.php');

const messages = await response.json();

const chatbox = document.getElementById('chatbox');

chatbox.innerHTML = messages.map(msg => `<p><strong>${msg.username}</strong>: ${msg.message} <em>(${msg.timestamp})</em></p>`).join('');

}

document.getElementById('messageForm').addEventListener('submit', async (e) => {

e.preventDefault();

const username = document.getElementById('username').value;

const message = document.getElementById('message').value;

await fetch('chat.php', {

method: 'POST',

headers: { 'Content-Type': 'application/x-www-form-urlencoded' },

body: new URLSearchParams({ username, message })

});

fetchMessages();

});

fetchMessages();

setInterval(fetchMessages, 3000); // Refresh messages every 3 seconds

</script>

</body>

</html>