<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Online Learning Platform</title>

</head>

<body>

<h1>Welcome to the Online Learning Platform</h1>

<a href="{{ url\_for('register') }}">Register</a>

</body>

</html>

* templates/register.html:

html

Copy code

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Register</title>

</head>

<body>

<h1>Register</h1>

<form method="post">

<label for="username">Username:</label>

<input type="text" id="username" name="username" required>

<button type="submit">Register</button>

</form>

</body>

</html>

* templates/chat.html:

html

Copy code

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Chat</title>

<script src="https://cdn.socket.io/4.5.0/socket.io.min.js"></script>

</head>

<body>

<h1>Chat Room</h1>

<div id="messages"></div>

<input id="message\_input" type="text" placeholder="Type a message...">

<button id="send\_button">Send</button>

<script>

const socket = io();

const messagesDiv = document.getElementById('messages');

const messageInput = document.getElementById('message\_input');

const sendButton = document.getElementById('send\_button');

function addMessage(username, message) {

const messageElement = document.createElement('div');

messageElement.textContent = `${username}: ${message}`;

messagesDiv.appendChild(messageElement);

}

socket.on('receive\_message', function(data) {

addMessage(data.username, data.message);

});

sendButton.onclick = function() {

const message = messageInput.value;

if (message) {

socket.emit('send\_message', { message });

messageInput.value = '';

}

};

</script>

</body>

</html>