CHAT ROOM USING HTML, PHP, CSS, JS, AJAX

2 authors:

Amey Thakur
University of Mumbai
23 PUBLICATIONS **9** CITATIONS

Karan Dhiman
University of Mumbai
10 PUBLICATIONS **0** CITATIONS

Some of the authors of this publication are also working on these related projects:

Project Neural Networks View project

Project Text Summarizer View project
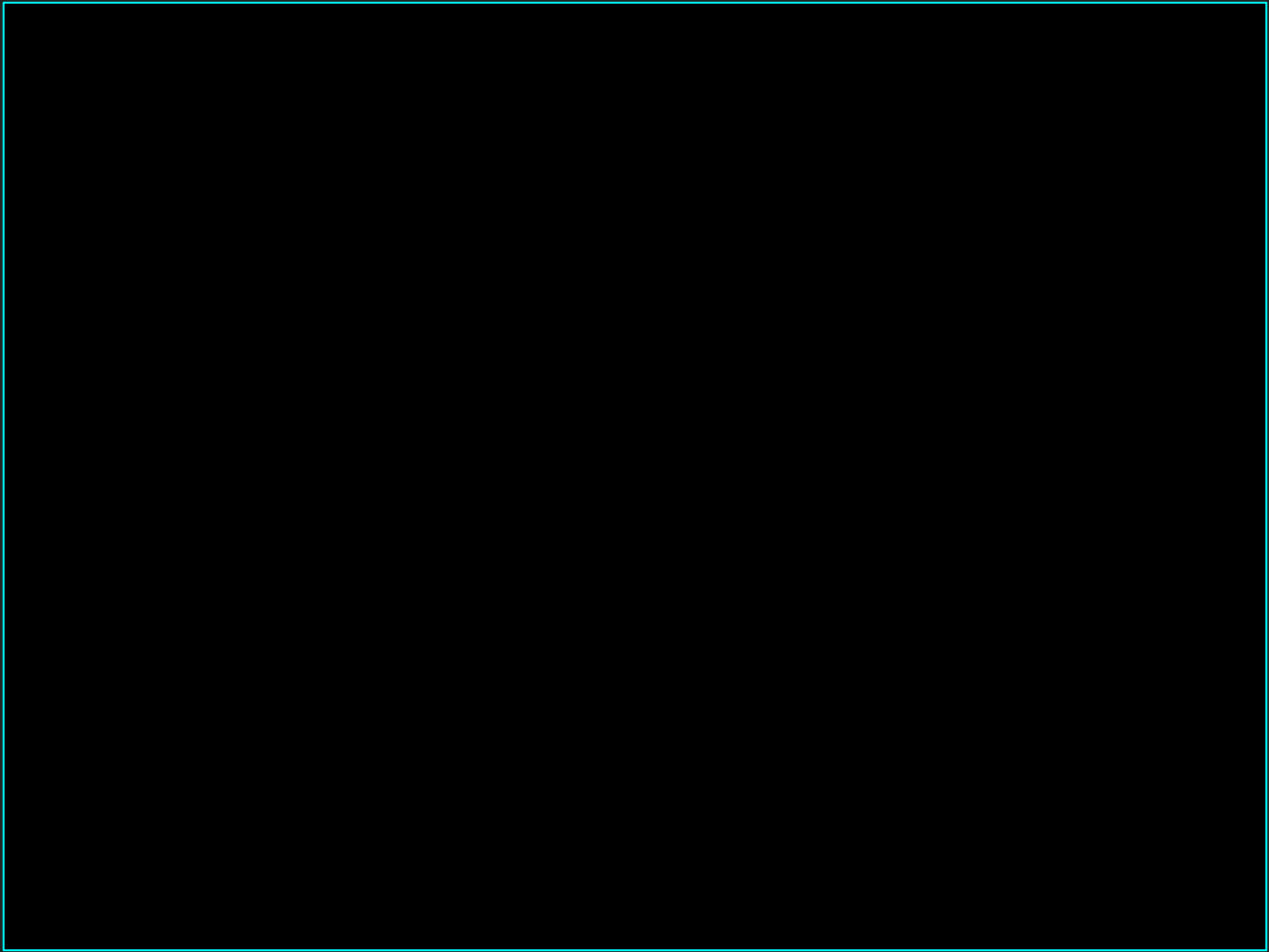
CHAT ROOM
USING HTML, PHP, CSS, JS, AJAX

Mini- Project

Project by:

Amey Mahendra Thakur	Karan Sukhvinder Dhiman

<u>Introduction</u>

1. This mini project is an example of a chat server. To start chatting, clients should get connected to a server where they can practice two kinds of chatting, public one (message is broadcasted to all connected users) and private one (between any 2 users only) and during the last one security measures were taken.

2. Teleconferencing or Chatting, is a method of using technology to bring people and ideas "together" despite geographical barriers. The technology has been available for years but the acceptance it was quite recent.
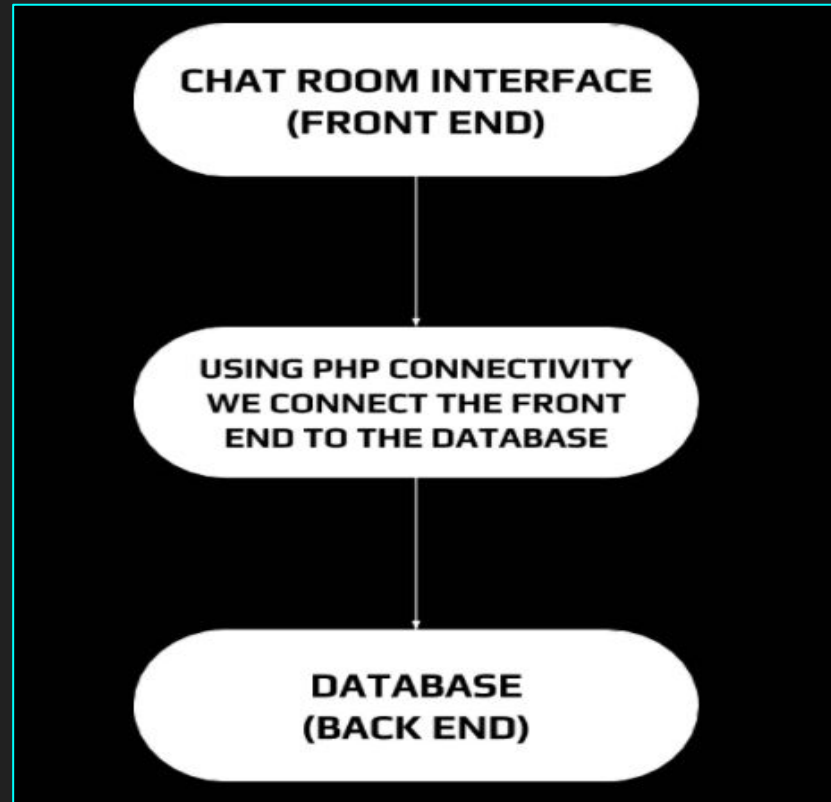
Problem Statement

1. Develop an application which facilitates creation of a chat room with a live server for the users to enable sharing messages or chat on the go.

2. Develop an instant messaging solution to enable users to seamlessly communicate with each other and also which can be used by any novice user. I.e. Live chat room on the fly (online).

Problem Solution

1. Our goal is to create a way to use technology to bring people and ideas together despite geographical barriers.

2. So, The Chat Room as a service is a model of communication deployment where the server hosts a live chat room as a service for users on the Internet.

3. It is a simple Web-Based Chat Application using php, mysql, javascript, ajax.

4. The project has been created keeping in mind the fact that the anonymity of the users will not be compromised under any circumstances.

Flow Diagram

Implementation & Papers

GitHub Repository: https://github.com/Amey-Thakur/CHAT-ROOM

Pre-print @arXiv: https://arxiv.org/abs/2106.14704

Published Paper @IRJET: https://www.irjet.net/archives/V8/i6/IRJET-V8I6348.pdf

User Interface

->Name	->ID	->Class	->Department	->Division	->Roll Number
Karan Dhiman	TU3F1819099	Third Year	Computer Engineering	B	28
Mayuresh Phansikar	TU3F1819102	Third Year	Computer Engineering	B	31
Amey Thakur	TU3F1819127	Third Year	Computer Engineering	B	50
Hasan Rizvi	TU3F1819130	Third Year	Computer Engineering	B	51

Web Designing Laboratory Mini Project

-> CHAT ROOM <-

Amey : NAMASKAR   5:30 am

Name   Enter your name

Message   Type a message

Reset it !   Send it !

"Let us take you into a deeper experience, make a moment a lasting conveyable memory. Let us help build your tribe."

Database > Table > Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	*None*		AUTO_INCREMENT
2	name	varchar(255)	latin1_swedish_ci		No	*None*		
3	msg	varchar(255)	latin1_swedish_ci		No	*None*		
4	date	timestamp			No	current_timestamp()		

System Requirements

To be used efficiently, all computer software needs certain hardware components or other software resources to be present on a computer.

Various categories are:

1. Hardware Requirements - Keyboard, Mouse, Monitor, Wireless Peripherals, Smartphone
2. Software Requirements - XAMPP, GitHub, Web Browser
3. Functional Requirements - Sending message, broadcasting message
4. Non-functional Requirements - Security, Performance Time, Error Handling, Availability, Ease of use

Project scope and features

1. Chat Server Application is going to be a text communication software, it will be able to communicate between two computers using point to point communication.
2. Anonymity is the key feature of this project.
3. The limitation of our project is that it doesn't support audio conversations.
4. Companies would like to have a communication software wherein they can communicate instantly within their organization.
5. The fact that software uses an internal network within the organization makes it very secure from outside attacks.

Comparison of Chat Room System with Previous system

Sr. No.	Basis	Chat Room	Google chat	Google Meet Chat Room	Microsoft Teams Chat Room	Zoom meeting chatroom
1	Number of participants	Limitless	150	250	250	100
2	Number of characters	255	160	4000	1000	128
3	Cost	Free	Paid	Free Trial	Free Trial	Paid
4	Anonymity	Yes	No	No	No	No
5	Launch Year	2020	2017	2020	2017	2013

Conclusion

1. Here, we have built Simple Web-Based Chat Application using php, mysql, javascript, ajax.

2. There's always room for improvements in any product, and we have tried to adapt the design accordingly, while also keeping track of our limitations.

3. We hope our idea was clear and well presented with the final output for it.

THANK YOU