# Phase 3 Project: Chatting app

## Tools and Technologies used:

Language: Javascript, HTML

Backend: Nodejs (RTE), ExpressJS (Framework), Socket.io(library)

Database: MongoDB

Tools: Visual Studio Code, Github, Git Extensions

### Github Link: https://github.com/shameez92/Phase-3-Project-Chatting-app

## Steps to create the project:

1. Create a new folder for Socket IO programming.
2. Create a new project using the command - **npm init**
3. Install all the dependencies for the project:

**npm install express mongodb socket.io**

1. Create app.js file and import all the libraries

Text

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1. Use reference for socket.io library and use the default method it provides (eg: on and emit)

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1. Create mongodb reference and use the same to connect to mongo; further add the insert query

DB name: chatserver

Collection name: chatlog

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1. Create an index.html file to send as response from server to client upon request

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Screenshots:  
  
1. Server Side:

To run the server; use the command – node app.js  
  
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2. Client Side:  
  
Graphical user interface, text, application, Word, email

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3. Server response after client is loaded:  
  
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4. Add values in the client side and click on Let’s Chat button

Graphical user interface, text, application, email

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5. After clicking on Let’s Chat button; flip to database and verify if the chat message is saved in the database using the query:

show dbs;

use chatserver;

show collections;

db.chatlog.find();

A screenshot of a computer

Description automatically generated with medium confidence

PS: Please ignore the first 3 documents in the collection. Instead check the last document added.