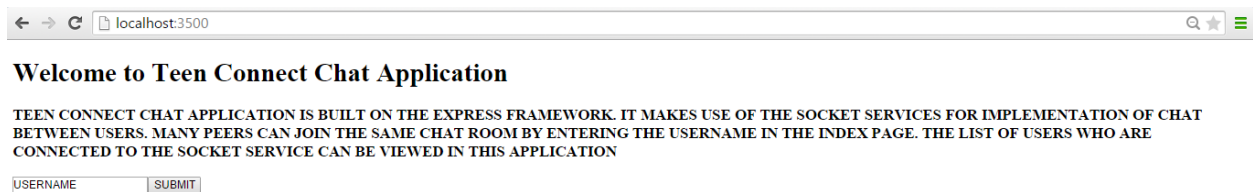


## TEEN CONNECT CHAT APPLICATION

Teen Connect Chat application is built on the express framework. It makes use of the Socket IO services for implementation of chat between users. Many peers can join the same chat room by entering the username in the index page. The list of users who are connected to the socket service can be viewed in this application. This application was completed with the code samples from LECTURE 12 and LECTURE 14

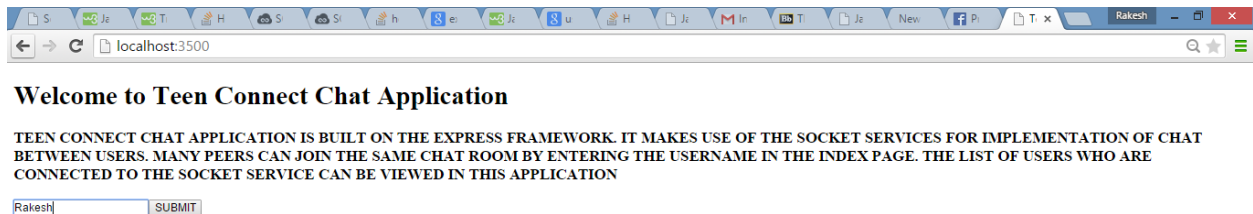
### INDEX PAGE

The index page is rendered by using jade templates which is an application of express framework. When different users connect to the chat application. The home page will be rendered using the Index.jade template.



A screenshot of a web browser window showing the index page of the Teen Connect Chat Application. The browser's address bar displays 'localhost:3500'. The page has a title 'Welcome to Teen Connect Chat Application'. Below the title, there is a paragraph of text: 'TEEN CONNECT CHAT APPLICATION IS BUILT ON THE EXPRESS FRAMEWORK. IT MAKES USE OF THE SOCKET SERVICES FOR IMPLEMENTATION OF CHAT BETWEEN USERS. MANY PEERS CAN JOIN THE SAME CHAT ROOM BY ENTERING THE USERNAME IN THE INDEX PAGE. THE LIST OF USERS WHO ARE CONNECTED TO THE SOCKET SERVICE CAN BE VIEWED IN THIS APPLICATION'. At the bottom of the page, there is a form with a text input field labeled 'USERNAME' and a button labeled 'SUBMIT'.




Enter the USERNAME and click on SUBMIT button. The user will get connected to the chat room.



A screenshot of the same web browser window as before, but now the username 'Rakesh' has been entered into the 'USERNAME' input field. The 'SUBMIT' button remains visible next to it. The rest of the page content, including the title and the introductory paragraph, is identical to the previous screenshot.

## CHAT PAGE

When the user enters the name as “Rakesh” and clicks on SUBMIT button. The user will get connected to the socket service. The redirection will take place to chat.jade page when the form gets submitted.

   localhost:3500

### TEEN CONNECT CHAT APPLICATION




Connected as Rakesh

Send

THUMBS UP

LOGGED IN USERS

When the user enters the chat message and clicks either on “Enter” or “Send” button.

   localhost:3500

### TEEN CONNECT CHAT APPLICATION

Connected as Rakesh

Send

THUMBS UP

LOGGED IN USERS

The message will be sent to the socket server and reverted back to the client as shown below. The chat message will be displayed in the following format Username: Chat Message

←

→

↺

localhost:3500

**TEEN CONNECT CHAT APPLICATION**

Connected as Rakesh

Rakesh .hi

Send

THUMBS UP

LOGGED IN USERS

When the user clicks on the THUMBS UP button, the THUMBS UP image will be displaying in the chat window.


← → ↻

localhost:3500

## TEEN CONNECT CHAT APPLICATION

Connected as Rakesh

Rakesh :hi



Send

THUMBS UP

LOGGED IN USERS

### MULTIPLE USERS CAN CONNECT TO THE CHAT

Consider another person named “Jason” is connecting to the chat room.

← → ↻

localhost:3500

🔍 ☆ ☰

## Welcome to Teen Connect Chat Application

TEEN CONNECT CHAT APPLICATION IS BUILT ON THE EXPRESS FRAMEWORK. IT MAKES USE OF THE SOCKET SERVICES FOR IMPLEMENTATION OF CHAT BETWEEN USERS. MANY PEERS CAN JOIN THE SAME CHAT ROOM BY ENTERING THE USERNAME IN THE INDEX PAGE. THE LIST OF USERS WHO ARE CONNECTED TO THE SOCKET SERVICE CAN BE VIEWED IN THIS APPLICATION

Jason

When Jason sends a message other persons will be able to view the chat details as this is a group chat.


← → ↻

localhost:3500

## TEEN CONNECT CHAT APPLICATION

Connected as Rakesh

Rakesh :hi



Jason :Hi This is Jason

Send

THUMBS UP

LOGGED IN USERS

## USER DISCONNECTION

Consider a User disconnects from the chat room by closing the browser window. The Message “User Disconnected: Jason” will be displayed in the chat window. This functionality is achieved by means of the disconnect event available in the socket service.

← → ↻ 📄 localhost:3500 🔍 ⭐ ☰

TEEN CONNECT CHAT APPLICATION

Connected as Jason

Jason :Hi This is Jason

User Disconnected: image

rakesh :hi

rakesh :

rakesh :hi

User Disconnected: rakesh

Jason :Hi

User Disconnected: Jason

Send

THUMBS UP

LOGGED IN USERS

## LOGGED IN USERS PAGE

The list of logged in users can be displayed by clicking on the LOGGED IN USERS button showed in the chat window. The values are retrieved from nedb database which is created for this purpose.



# TEEN CONNECT CHAT APPLICATION

## LIST OF LOGGED IN USERS

- prithvi
- USERNAME
- username
- siddhart
- rakkesh
- riteish
- roshan
- ajya
- Rakesh
- aja
- rakesh