
Chat Client using WebDev.

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CHAT CLIENT OVERVIEW

- The project will be primarily aimed at developing a platform where the p-club members can chat similar to the IRC channel.
- This tool can be used for communication and conferencing in our campus, thus increasing the standard of co-operation

Project Specifications

Front End in HTML/CSS/Javascript

- The user interface will consist of -
- LIST FORM
- CHAT FORM

Back End in Python /Node Js using Socket Programming

List Form

- List form will contain the names of all the systems connected to the network. These names can later be used for communication with the help of a mouse click.
- When the client is opened, the list will display all the online members. It will have two buttons : “Refresh” (which refreshes the list of online members) & “Connect” (which when clicked after highlighting a member’s name will open up a new chat tab). A new chat can also be opened by a double click.

CHAT FORM

1. Chat form will make communication possible in the form of text by creating a connection between the host system and the selected system with the help of a socket. It will be called only when an element is selected from the list form. Multiple tabs can be implemented so that more than one chats can be active at the same time.
2. It will also contain a text box which will display the messages. Another box where the text message will be written along with a “**Send**” button. When the “Send” button will be clicked, in the background, the text in the text box will be encoded and sent as a packet over the network to the client machine. Here this message will be decoded and shown in the text box.

TIMELINE

Complete the structure of the website using HTML/CSS. Also complete Node.js

Integrating the frontend and backend.

Present the final project with complete documentation.



Complete the backend using socket programming in Node.js.

Testing, debugging, improving the UI

THANK YOU
