Online Doubt Support Portal

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ABOUT THE PROJECT

This Portal will help students to solve there doubts by interacting with one or more persons at a time.One can solve doubt by drawing,writing code and by chatting at this portal. This Project is implemented mainly by using JavaScript and some libraries and frameworks of Node.js like Express.js, Socket.IO, HTTP.

MAJOR REQUIREMENTS

Node.js

Libraries and frameworks of Node.js like express.js and socket.IO are used.

HTML, CSS, JavaScript

These are used for the frontend purpose. Bootstrap is used to implement easy styling

jQuery

jQuery is used to easily implement Javascript written in to serve the backend Purpose.

PROBLEM

Students face problems while discussing their doubts on a chat app or phone call, to solve this problem we have implemented a free resource for them. Many other sketchboards are also available but they do not serve the purpose of writing something and chatting along with the whiteboard.

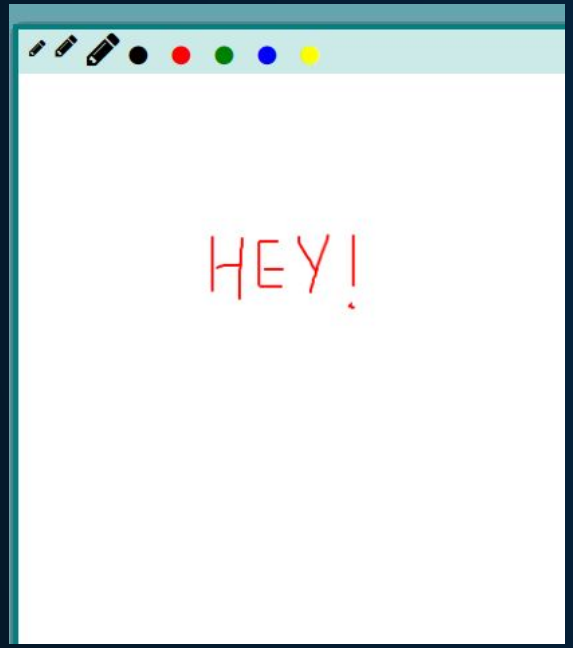
SOLUTION

We have Solved the mentioned problem of students by designing a portal which consists of all the three major parts needed to solve a doubt. This portal contains a drawing board, code editor and a chat box shown in the next slide.

Web Page Components

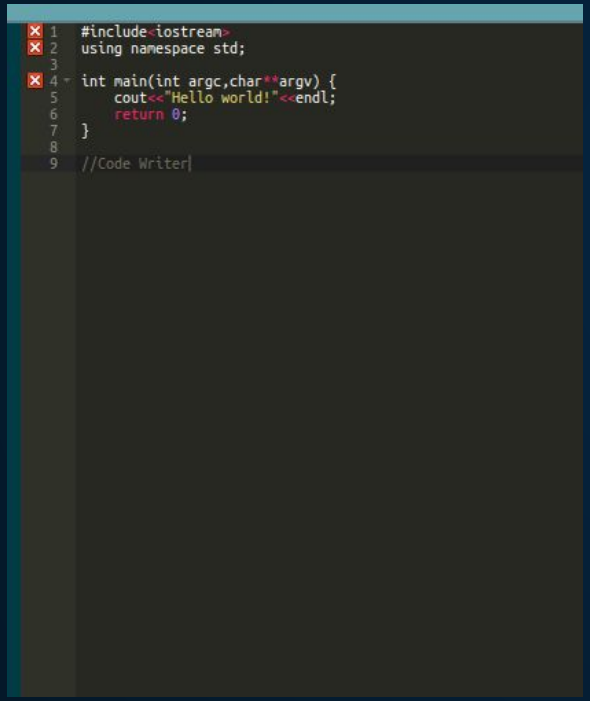
1. Drawing Board
2. Code Writer
3. Chat Box

Drawing Board



- Drawing board with five color options.
- Three marker options.
- A clear Board button.

Code Writer



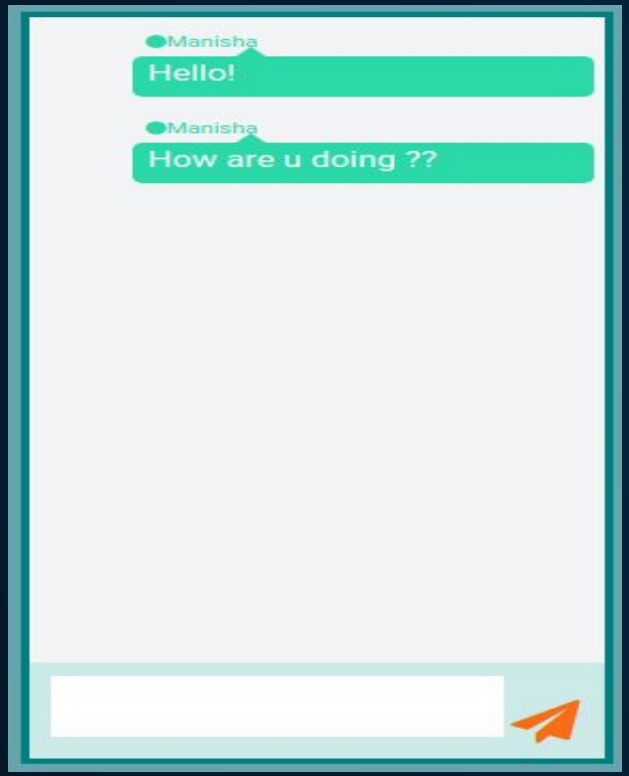
```cpp
#include<iostream>
using namespace std;

int main(int argc,char**argv) {
    cout<<"Hello world!"<<endl;
    return 0;
}

//Code Writer
```

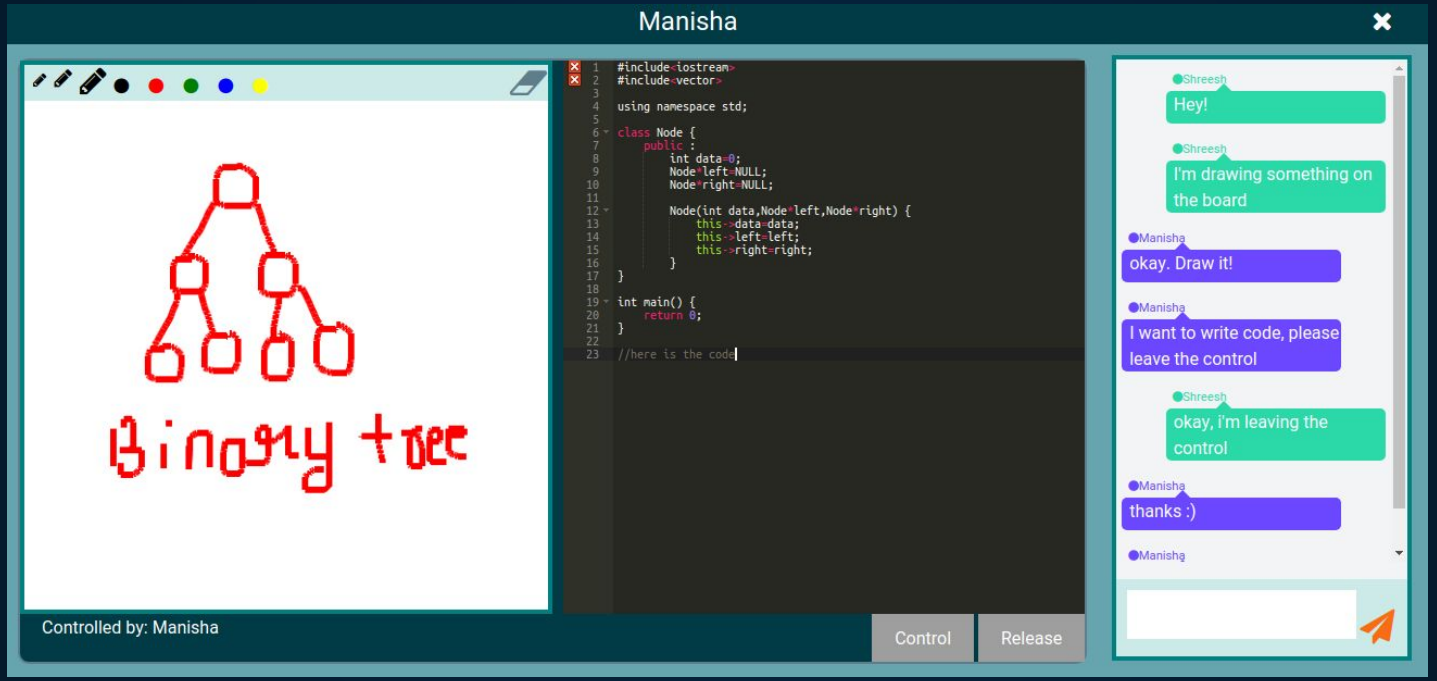
- Code or text writer.

Chat Box

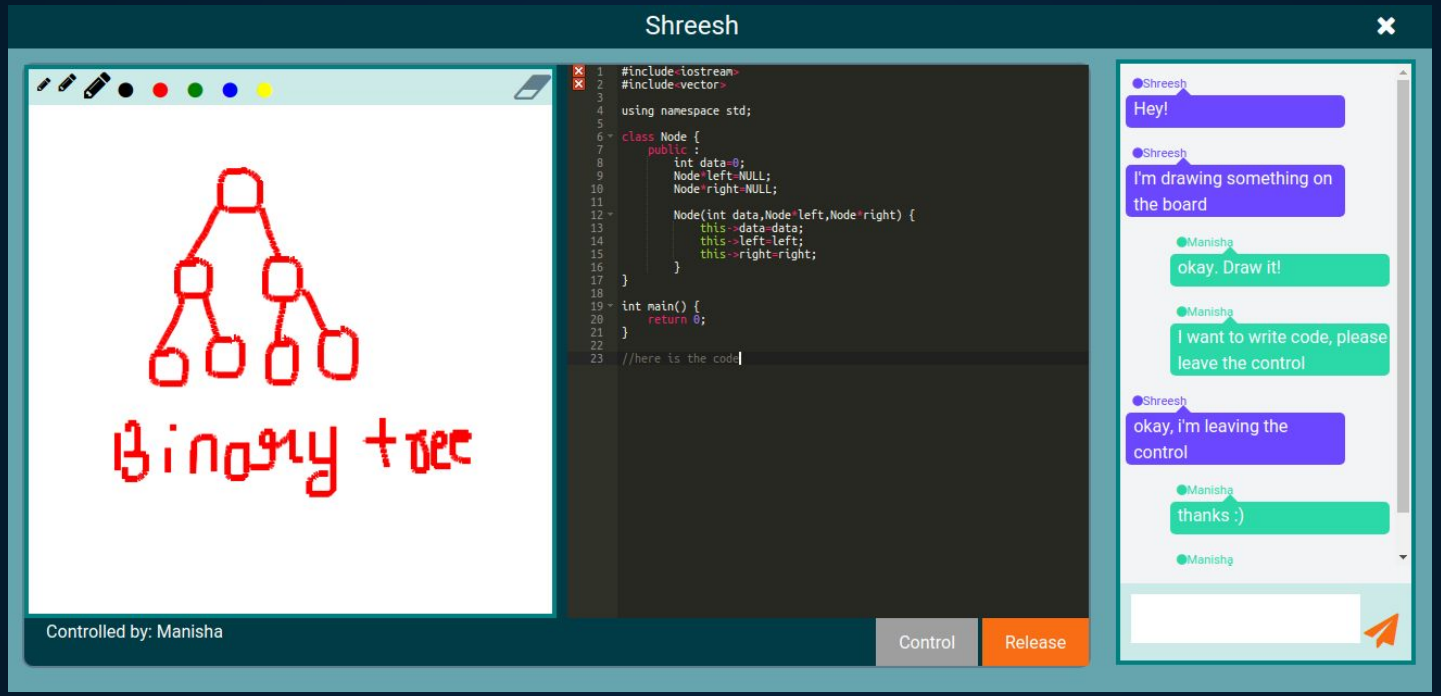


- Real time chat Box.

User-1 View


Manisha
Binary tree
#include<iostream>
#include<vector>
using namespace std;
class Node {
public :
int data=0;
Node*left=NULL;
Node*right=NULL;
Node(int data,Node*left,Node*right) {
this->data=data;
this->left=left;
this->right=right;
}
}
int main() {
return 0;
}
//here is the code
Shreesh
Hey!
Shreesh
I'm drawing something on the board
Manisha
okay. Draw it!
Manisha
I want to write code, please leave the control
Shreesh
okay, i'm leaving the control
Manisha
thanks :)
Manisha
Controlled by: Manisha
Control
Release

User-2 View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FEATURES TO UPDATE

- COMPILATION
- PROGRAMMING MISTAKES
- LOGIN PAGE
- DESKTOP SHARING
- AUDIO CONVERSATION
- ANDROID PORTABILITY

THANKS!