Group Project 3 – Website JavaScript

Group WN/H:

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Description:

In this project stage, we were required to bring functionalities into our site, to make it user accessible and prepare to finish the whole project.

Approach:

As the HTML and basic CSS were already implemented, yet not desirable in terms of aesthetics, we kept working on them before starting the JavaScript application. In two days, we started working on JavaScript, since we can keep altering the other parts as we go. We also made a database using MySQL, to save login credentials. Updated server317.js to establish a connection between the client and server.

Issues and Resolutions:

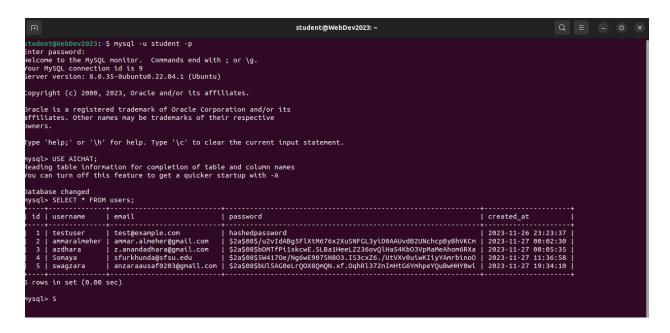
For this stage of the group project, we had a lot of time and freedom to work, which was very much appreciated. However, that also was not enough to reach a satisfactory point, as working with JavaScript in addition to refining our HTML and CSS code was a very challenging task. When it came to actually adding interactive elements, there was a ton of trial and error, and we often came to a sudden halt. Communication was a very important factor in this stage, as all the pages were starting to become interconnected. We had to think of the API implementation while adding lines of script code, guessing how it would work beforehand.

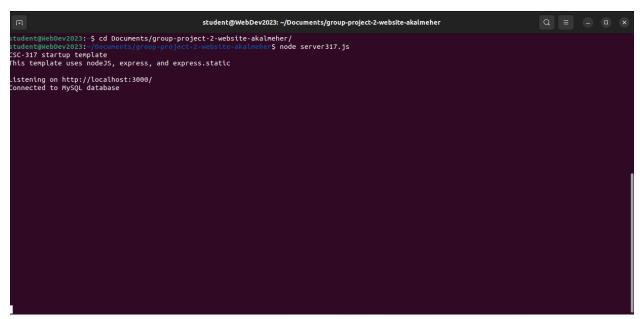
Analysis:

JavaScript is a very fun part of the whole development since this is where the website starts moving on the users' command. That being said, it was the most tedious part of the process. Having to think ahead about how it would work, and coding it out was a very difficult task. It's like having an imagination of a beautiful painting, but then when you pick up the brush, you don't know how to begin. We had to refer to the class lecture slides and other sources a lot,

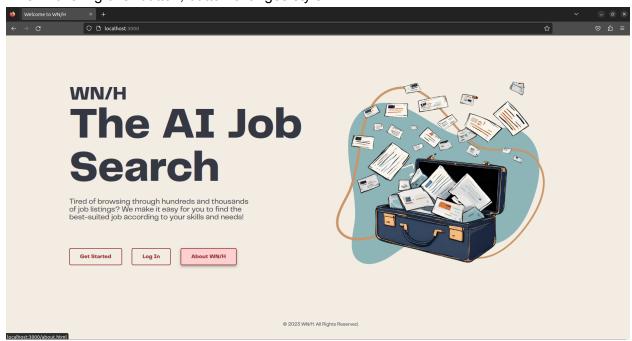
before starting to work on it again. Ultimately, we got to a semi-polished version of the site, and we're quite happy with it. We look forward to continuing to work on this and finish the project!

Screenshots:

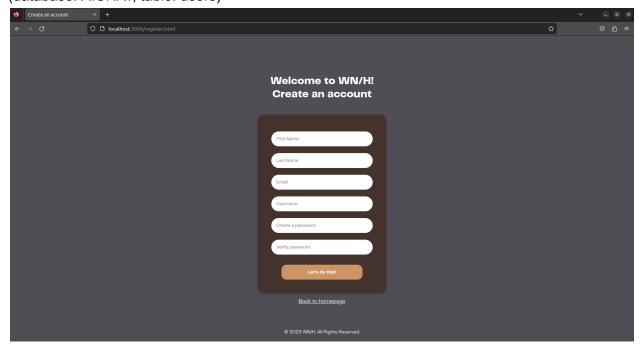




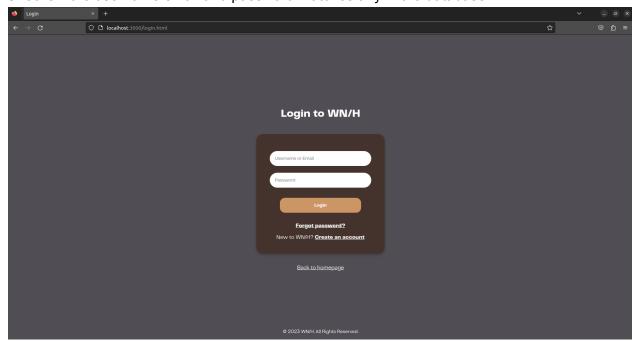
When hovering over button, button changes style

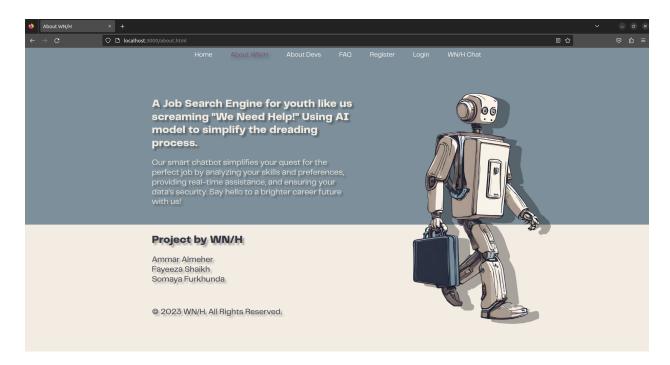


When data is entered here, it is sent to the database created in MySQL (database: AICHAT; table: users)



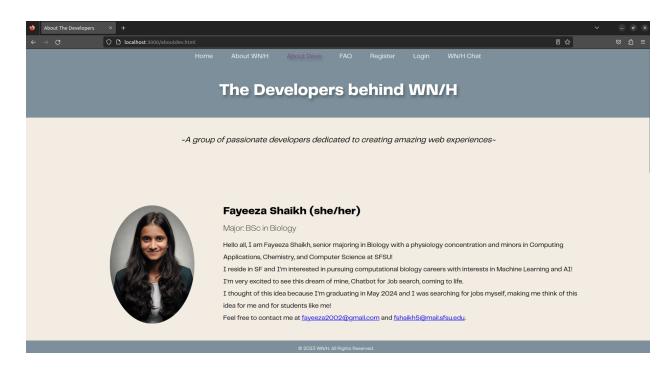
Checks if the username/email and password matches any in the database.

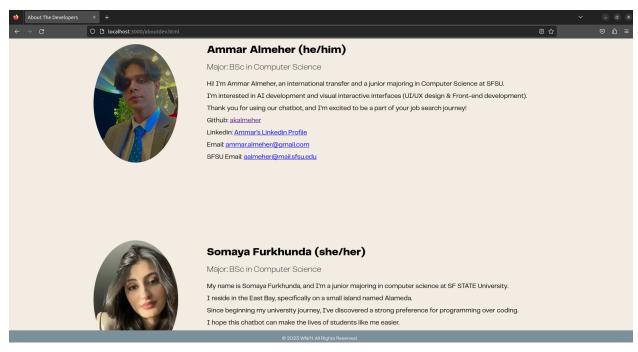




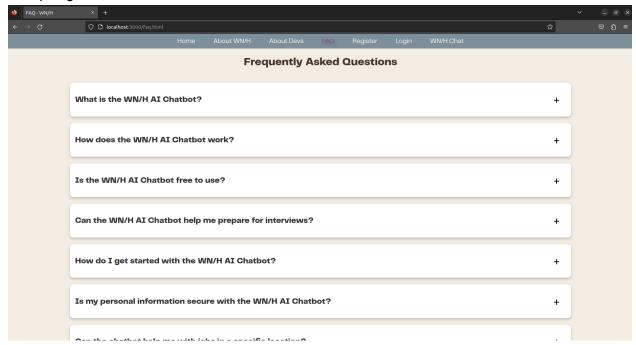
Navigation Bar: Active pages and Links hovered over changes text styles

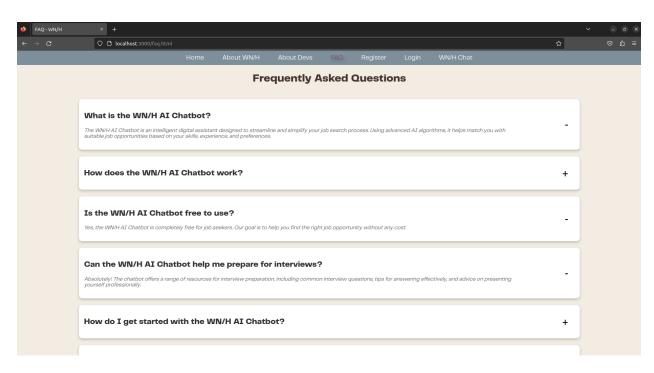
Home	About WN/H	About Devs	FAQ	Register	Login	WN/H Chat



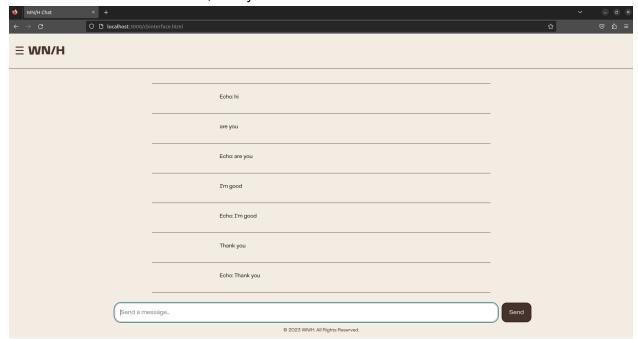


Collapsing FAQ cards:

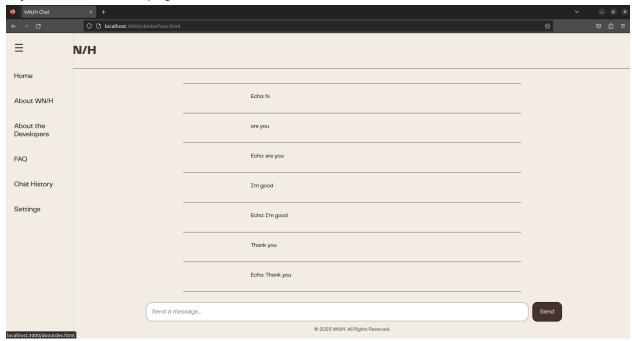




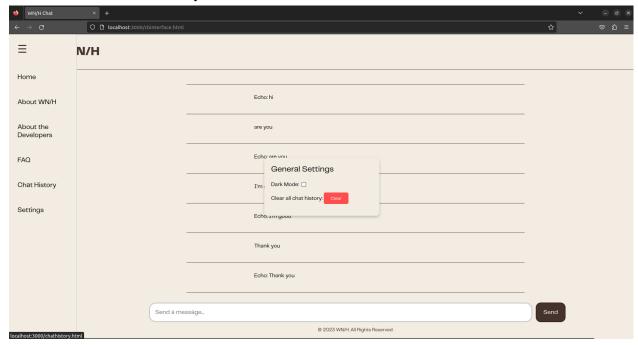
Functional Chat box: as of now, it only echoes what the user sends

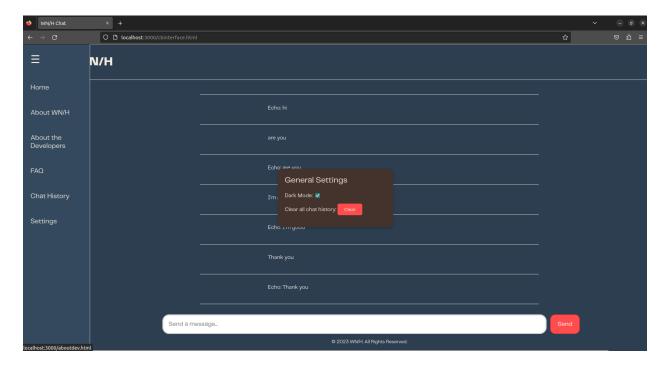


Added a transition/animation for when the sidebar pops out. Can be minimized by clicking anywhere else on the page.



Clicking on "Settings" brings out this settings pop up, where you can turn "Dark mode" on. "Clear chat" is not functional yet





For the dark mode, additional CSS code (changes the color only)

```
about.html
                                                  fag.html
                                                                o index.html
public > ⇔ cbinterface.html > � html > � head > � style > ✿ .copyright
                  bottom: 20px;
                  width: 100%;
                  font-size: 14px;
177
              .dark-mode {
                  background-color: □#353843;
                  color: ■#f2ece2;
              .dark-mode .chat-container {
                  background-color: □#2c3e50;
              .dark-mode .sidebar {
                  background-color: □#34495e;
              .dark-mode .sidebar a{
                 color: ■#f2ece2;
              .dark-mode .chat-header {
                 background-color: □#2c3e50;
              .dark-mode .user-message {
                  color: ■#ececec;
              .dark-mode .bot-message {
                  color: ■#ececec;
              .dark-mode .divider {
                  border-top: 1px solid ■#ececec;
              .dark-mode .top-divider {
                  border-top: 1px solid ■#ececec;
              .dark-mode .settings-card {
                  background-color: □#44332c;
              .dark-mode .input-container {
                  background-color: □#2c3e50;
              .dark-mode .send-button {
                  background-color: ■#ff4d4d;
                  border: 2px solid ■#c43838;
              .dark-mode .icon {
                  color: ■#f2ece2;
```

Updated server317.js

```
var express = require('express');
var app = express();
var path = require('path');
const fs = require('fs');
const bcrypt = require('bryptjs');
const mysql = require('mysql');
 // Serve static files from the "public" directory
var StaticDirectory = path.join(_dirmame, 'public');
app.use(express.static(StaticDirectory));
       try {
    const botResponse = await processChatMessage(userMessage);
    res.json({ response: botResponse });
    catch (error) {
    console.error(error);
    res.status(S80).json({ error: 'Internal Server Error' });
}
```