

Midterm Project: Reviewing Your Site

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URL (main branch): https://github.com/javisin22/csc372_projects

URL (client_site_v5): https://github.com/javisin22/csc372_projects/tree/client_site_v5

URL (live site): [here](#)

Part I: Researching & Selecting An API

- 1. What API have you chosen to use on your client site? Why? Provide a URL to the documentation of the API you will be using.**

I was going to choose the Twilio SMS API to send an SMS to the students after booking a class with the details of the booking, but after signing in I was shown the pricing and it didn't fit this project's purposes.

After that, I was going to use the Google Calendar API so that the appointments booked are automatically reflected in the Google Calendar's account of each user and it will be more likely that they don't forget the appointments as they'll receive notifications from the Calendar app reminding them about their classes. However, I wasn't sure if I was going to be charged for potential high usage rate limits so I discarded this one too.

Finally, I've chosen to use the built-in browser's Web Storage API. [Here's](#) the API documentation. As we won't be seeing Databases until April, I've chosen to keep the appointments (for students) and availability blocks (for tutors) by using the local storage. This way, they are kept between page loads until the user clears the storage.

- 2. What feature(s) will you use from the API? How are these feature(s) relevant to your client site?**

As I just mentioned, I'm going to use the *localStorage* feature from the Web Storage API. It's useful as a temporary solution for the storage until I get access to an actual database.

- 3. How will you access the API? How will you use its features?**

I can access the local storage by the following statement:

```
localStorage.getItem('sampleName');
```

This way, 'sampleName' must be the name of the element saved. In my case: `calendarEvents` || `tutorAvailability`.

On the other hand, I can set them as follows:

```
localStorage.setItem('calendarEvents', JSON.stringify(eventsToStore));
```

Part II: Using An API

The code for the API can be found in the `CalendarPage.js` for both Student and Tutor pages. In those files is where the `localStorage.setItem` statement is being executed. It's also used in the `CalendarPreview.js` in order to fetch the information from the local storage so that it's displayed correctly in the Calendar from the *fullcalendar* library.

Part III: Hosting Your Site

The live site is hosted in *Render*. Here's the link to access the live site:

<https://classconnect-18h8.onrender.com>

Part VI: Apply Feedback

1. Did your peers accurately describe your client site?

Yes, they totally caught the whole idea about the website.

2. What comments did your peers make about the content of your website? What reasons did your peers give for why someone would visit your site? Did you peers accurately describe your target audience?

Mainly the comments have been: Promoting connection and contact between tutors and students, and being a hub for a tutoring program.

My peers said that a noteworthy feature is the interactive calendar in the dashboard that can be found after logging in, along with the chat to connect students and tutors. Also the dynamic scrolling makes the experience smooth.

3. What comments did your peers make about the design of your website? Did they find that your design effectively communicated your message?

In the home page, after the main sections, the content was aligned to the left while the previous one was centered. Apart from that, the overall design made the experience smooth and appealing. I think that they indeed find the design matching my message.

4. What comments did your peers make about the features of your website? Did your peers find that these features enhanced the main purpose of your site?

The real-time chat to communicate tutors and students along with the interactive dashboard with the remarkable calendar that books appointments (for students) or availability time blocks (for tutors).

5. What did your peers mark in your website criteria that needs to be addressed on your site? How will you address these areas of concerns on your site?

Anything was marked as “Needs improvements” or similar. The only thing I was told is to improve responsiveness because of the alignment issue I just mentioned before.

6. What errors did your peers identify using browser developer tools and the JavaScript console? How will you resolve these errors? Be specific about the steps you're taking to fix issues or improve functionality.

They found errors about missing pages. This is because I haven't yet implemented the “terms” and “privacy” pages. Also, in the home page they received another error because I didn't correctly write the “href” of a link. I had: `'href="/signup"'` while it should be: `'href="auth?activeTab=signup"'`.

I will implement the missing pages and fix the href attribute.

7. What issues did your peers identify when evaluating your website's performance with Lighthouse and PageSpeed Insights? What high-priority issues did you address, and how did you go about resolving them? Were there any performance optimizations you made based on their feedback?

Load speed affected by images needing to be resized and there being unused javascript.

I have improved the image handling so that I explicitly indicate the image width and height (previously only with TailwindCSS classes. Also, I've switched to the use of webp image format instead of png.

Yes, this performance optimization was made because of the feedback as I didn't perform any lighthouse scan by myself previously.

8. What did your peers note when testing your site for responsiveness and mobile-friendliness? What works well? What could be improved upon?

They said the following:

- The text all resizes properly depending on the size of the screen.
- The website morphs well to other sizes with all of the information staying present.

It could be improved that in VERY small screen sizes, the sidebar from the dashboard covers the majority of the page and the close button isn't accessible. I've manually tested it and with the standard mobile screen sizes this is not an issue.

9. What did your peers note when testing your site on different devices and web browsers? Is there anything that you can improve upon?

They both said that there's no difference between devices or browsers, the site stays consistent.

10. What did your peers note when testing your site for accessibility? Is there anything that you can improve upon?

They said that the tab/enter keys work properly and the text is easy to read since it's dark against a light background. Maybe adding a back arrow button in the sign up page would be necessary.

11. What did your peers like most about your site?

- How smooth the transitions were between everything and how it was very clean and easy to move through.
- The modern look and design.

12. What two things did your peer identify that would improve the quality of your website? List two specific actions you can take to make these improvements.

- Focus on improving the accessibility with the buttons that do not have enough contrast.
- Adding the missing pages so all of the links lead to somewhere.

In order to address these insights, I'll take a deep look into all the buttons and the overall contrast of the web page. Also, I'll create the two missing pages I have left that can be accessed from the sign up page.

Part VII: Client Feedback & Approval

A) Demo Presentation & Feedback Review

The meeting was held on March 13th at 7.00pm during a Whatsapp Video Call. The key points discussed were the presentation of the web page in the "tutor" view to know her feedback, new suggestions, and doubts about the site. For example, she suggested adding an option for the payment preference: daily payment option.

She liked the fact that it's a really useful app for her daily problems as sometimes she gets confused on how many classes she has left to be paid, which classes are them, and those kinds of things. The client also said that the UI is really smooth and appealing for the user to navigate through it. Not only does it help her, but also the children and students who she teaches.



In the peer feedback I was suggested to modify the layout of the main page centering the content below the "Contact" section as it was aligned to the left instead of being centered but I think that it's ok as it is now. The client didn't tell me anything else talking about suggestions for the web site.


B) Implementing Revisions & Final Approval

Final Approval

External

Inbox x





Claudia

to me ▾

7:29 PM (0 minutes ago) ☆ ↶ ⋮

Dear Javier,

I have reviewed the new implementations of ClassConect. I accept final changes.

Best regards,
Claudia Gómez

Thank you for your answer.

Thank you for your feedback.

Thank you!

↶ Reply

↷ Forward

C) Reflection On Feedback & Future Implementation

- What were the most significant changes made based on feedback? Provide before-and-after comparisons (screenshots, descriptions, or code snippets).

I added the daily option for the tutor's payment preference as requested.

Before:

Payment Details

Payment Method

Weekly

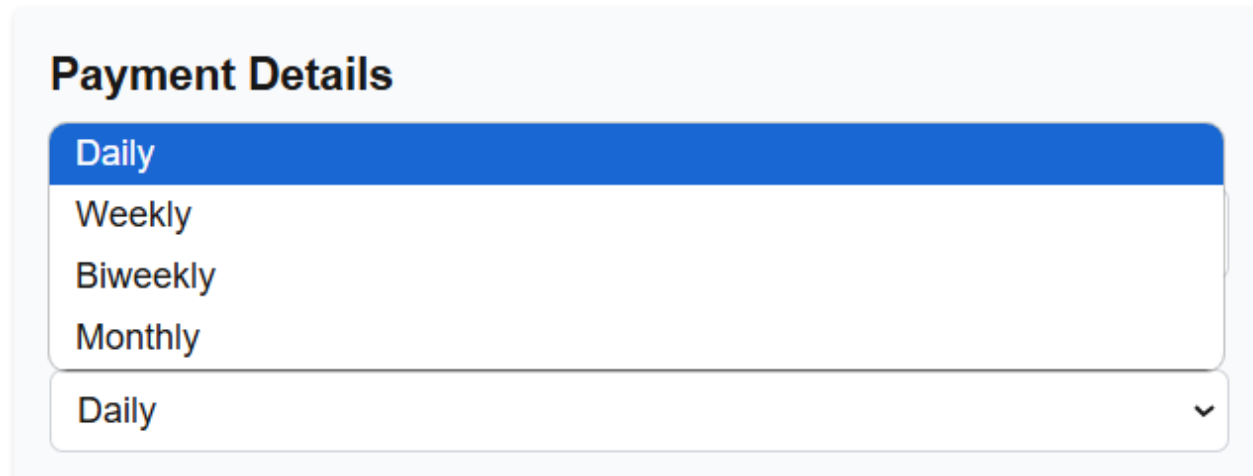
Biweekly

Monthly

Weekly

▼

After:



The image shows a user interface for 'Payment Details'. It features a dropdown menu with four options: 'Daily', 'Weekly', 'Biweekly', and 'Monthly'. The 'Daily' option is currently selected, indicated by a blue background. Below the dropdown, there is a text input field containing the word 'Daily' and a small downward arrow icon on the right side, suggesting it might be a search or filter input.

- How did the feedback improve the overall user experience and alignment with client goals?

It improved the experience as she had the new feature as requested and also she loved the tutor view for the dashboard of the app, as it's the first time she's seen it. She was really pleased and told me that it's really accurate on what she had in mind at first thought.

- Were there any suggestions you decided not to implement? Why?

The alignment for the content below the Contact section of the main/home page. I think that it's better as it is now because it's additional/extra information so it must have a different impact in the client's perspective.