

Consultation 1 – Explaining the Problem

{2022/10/31 - 2022/11/2} – Through social media (translated to English manually)

Me:

I want to develop a web application which serves the client and makes his/her daily routine more convenient. Would you like to be my client?

Ms. Szeto:

Sure, what do I need to do?

Me:

First we need to come up with the problems/difficulties that we are going to tackle in the web application. Are there any repetitive/complex jobs that annoyed you in your daily routine?

Ms. Szeto:

Yah, the analysis, and collection of homework in my class. It is hard to analysis the performance of students. Also, majority of students in my class fail to submit their homework on-time.

Me:

Ok, then we may work on a web application where teachers can assign, mark, analysis the assignments. Thanks a lot!

Consultation 2 – Suggesting Solutions

{2022/11/5} – Through social media (translated to English manually)

Me:

So, I have discussed with my supervisor about the web application we are working on. So basically, as we have discussed previously, we are going to develop a web application which allows teachers to assign and return assignments on. Additionally, teachers can analysis students' performance by different charts and diagrams, and tag different types of questions with custom 'tags' to further analysis the strengths and weaknesses of students. Trends and predictions can also be made based on these data. Furthermore, there are going to be notifications that remind students to hand in their homework on-time. Are you ok about this?

Ms. Szeto:

Of course. Besides what you have mentioned, I hope students can also analysis their performance and know where they should put their effort on.

Me:

Sure! I will add this.

Consultation 3 – Some suggestions during the development

{2023/12/3} – In person (translated to English manually)

Me:

Let me show you have developed...

Ms. Szeto:

Impressive! Much more than what I had expected...

Me:

Thanks! Anywhere you don't like?

Ms. Szeto:

Hmmm...I think the bar charts on the (student's and teacher's) dashboards are too small, and it is hard to read...

Me:

Oh...maybe I can remove those text (on the right-handed side of the bar chart)

Ms. Szeto:

Yea...I don't think they are that important...

Me:

Oh, yeah! I replaced the scatter charts on the analysis pages to bubble charts, but I don't know if you like it...let me show you...

Ms. Szeto:

Yeah...it looks great!

Consultation 4 – Evaluation of the system

2024/1/2 , Through social media (translated to English through deepL)

Me:

I've prepared a summary of our system's features based on the criteria we set and your feedback. I think it would be beneficial to discuss these points to ensure my improvements align with your expectations.

Ms. Szeto:

That sounds like a plan. I've had some thoughts about the features we discussed last time. Ready when you are.

Me:

Fantastic. Let's start with the Google login feature. You mentioned it made access easier for everyone, which I was thrilled to hear. I'm thinking of adding two-factor authentication for extra security. What's your take on that?

Ms. Szeto:

I think that's a smart move. Security is paramount, and adding that extra step doesn't seem too inconvenient for the added protection.

Me:

Great to hear. Regarding the system recognizing user classes, you found it quite helpful. I'm committed to keeping this feature responsive to schedule changes. Any additional thoughts?

Ms. Szeto:

Actually, yes. It's been working well, but I think it could be more visible or highlighted somehow. It's such a useful feature; it should be front and center.

Me:

Understood, I'll look into making it more prominent. Moving on to the to-do list, you liked the click-to-redirect functionality. I'm thinking of adding priority settings and notifications for updates. Would that be beneficial?

Ms. Szeto:

Definitely. It's already a helpful feature, and those additions would make it even more valuable for staying organized.

Me:

Excellent. You also mentioned the charts and analyses were up-to-date, which I was glad to hear. I aim to keep improving their clarity and accessibility. Any suggestions?

Ms. Szeto:

Perhaps making the data more interactive? Allowing users to click through for more detailed views could be interesting.

Me:

That's a great idea; I'll explore interactive options. Regarding custom tags for questions, you appreciated the organization they brought. I'm thinking about adding a tag search feature. Thoughts?

Ms. Szeto:

A search feature would be incredibly useful. It's sometimes a bit of a hunt to find what I'm looking for, so that would be a welcome improvement.

Me:

Noted. On assignment management, you were satisfied with the creation and distribution process. I'm looking into making it even smoother. Any areas you think need tweaking?

Ms. Szeto:

So far, so good. But maybe a way for teachers to save draft versions of assignments before publishing them could be helpful.

Me:

That's an insightful suggestion. I'll definitely consider draft saves for assignments. Regarding student submissions and feedback, you found the system effective. I'm thinking about auto draft saves and submission confirmations.

Ms. Szeto:

That would alleviate a lot of the submission anxiety for students. I support that idea.

Me:

And I've noted the need for reminders for late submissions. I'll be implementing timely notifications to address this.

Ms. Szeto:

That's a gap that definitely needed addressing. Glad to hear it's being taken care of.

Me:

Lastly, you were happy with the admin features for managing users and classes. I'll continue to refine these processes. Any final thoughts or feedback?

Ms. Szeto:

I'm really impressed with how responsive you've been to feedback and how the system is evolving.

Me:

Thank you, Ms. Szeto! Your insights have been invaluable.

Consultation 5 – Discussion on future improvements

2024/2/3 , Through social media (translated to English through deepL)

Me:

I've been working on a roadmap for future improvements to our system, based on our previous discussions and the feedback received. I'd like to go over these planned enhancements with you to get your thoughts.

Ms. Szeto:

Let's dive in.

Me:

First on the list is implementing two-factor authentication. This would add an extra layer of security beyond the Google account login, possibly by sending a code to the user's mobile device or email. How do you feel about this?

Ms. Szeto:

That sounds like a solid improvement. Security is always a top priority, and I think it's a smart addition.

Me:

Great to hear. Next, I plan to ensure that only users with email addresses from the school's domain can access the system. This is to prevent unauthorized access and maintain the system's integrity.

Ms. Szeto:

Absolutely necessary. It'll definitely help keep the system secure and exclusive to our school community.

Me:

I'm also focusing on making the system more accessible. This includes adjusting the

font size for better readability across devices and considering other improvements like color contrast and screen reader compatibility.

Ms. Szeto:

Inclusivity is key, so I'm fully behind these changes. Making the system easy for everyone to use is important.

Me:

Another major update is developing a responsive web layout for mobile devices. This will ensure a seamless experience for users, regardless of the device they're using.

Ms. Szeto:

With how much everyone relies on their phones, that's a very welcome update. Looking forward to it.

Me:

I'm also planning to implement a notification system, including both sidebar and email notifications, to keep users informed about updates, deadlines, and feedback.

Ms. Szeto:

Communication is crucial, so that's a fantastic feature. It'll definitely keep everyone more engaged.

Me:

To improve navigation, I'll introduce a search feature for the tags in the tag cloud, allowing users to quickly find information based on specific tags.

Ms. Szeto:

As the system grows, that'll be incredibly useful. It can get overwhelming to find specific items without a search feature.

Me:

For assignment management, I'm adding the ability for students to save drafts of their assignments before submitting. This should provide flexibility and peace of mind.

Ms. Szeto:

That's a thoughtful addition. It'll certainly reduce stress for students working on assignments.

Me:

And to help students stay on track, I'm setting up a system to send timely reminders for late submissions, through either email notifications or system alerts.

Ms. Szeto:

Procrastination is a real challenge, so reminders could be a real game-changer for some students.

Me:

Lastly, I'm adding functionality for users to prioritize items in their to-do list, helping them manage tasks more effectively by focusing on high-priority items.

Ms. Szeto:

Organization is key to managing workload. That sounds like a very practical feature.

Me:

Thank you for your feedback, Ms. Szeto. It's invaluable as I continue to develop and improve the system.

Ms. Szeto:

I'm impressed by the thought and effort you're putting into this.