

Better DLSU Extension

AUTHORS

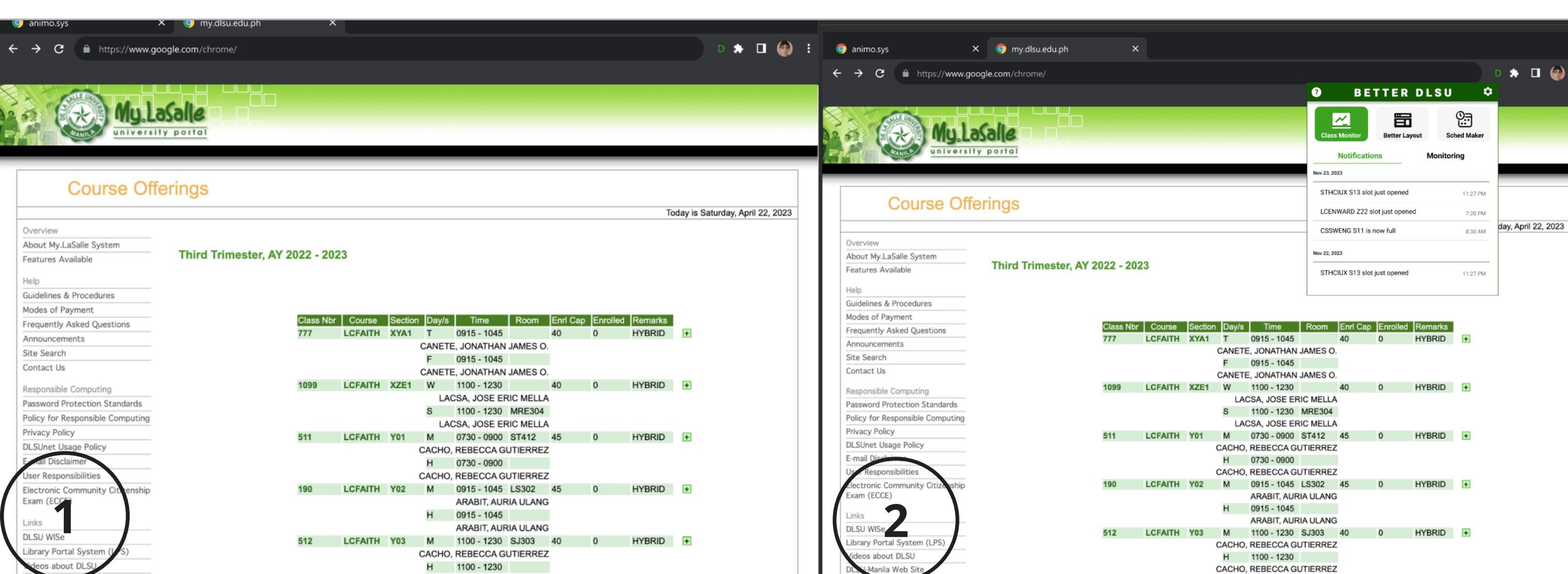
Be proud of your work! Add the names of the people involved in this study. Don't forget to include titles and honorifics. We're proud of those too.

The idea was built from 2 possible solutions that the group came up with : revamping the user-interface of the enrollment platform and an external tool for notifications. This was inspired by a similar extension which is Metamask (a digital wallet) and Better Canvas.

Focus Problem

The time-consuming process of manually tracking course availability and bad user interface of the enrollment platform.

Using needfinding data conducted, the researchers used the data gathered to come up with possible trends and focus problems to come up with a design solution.



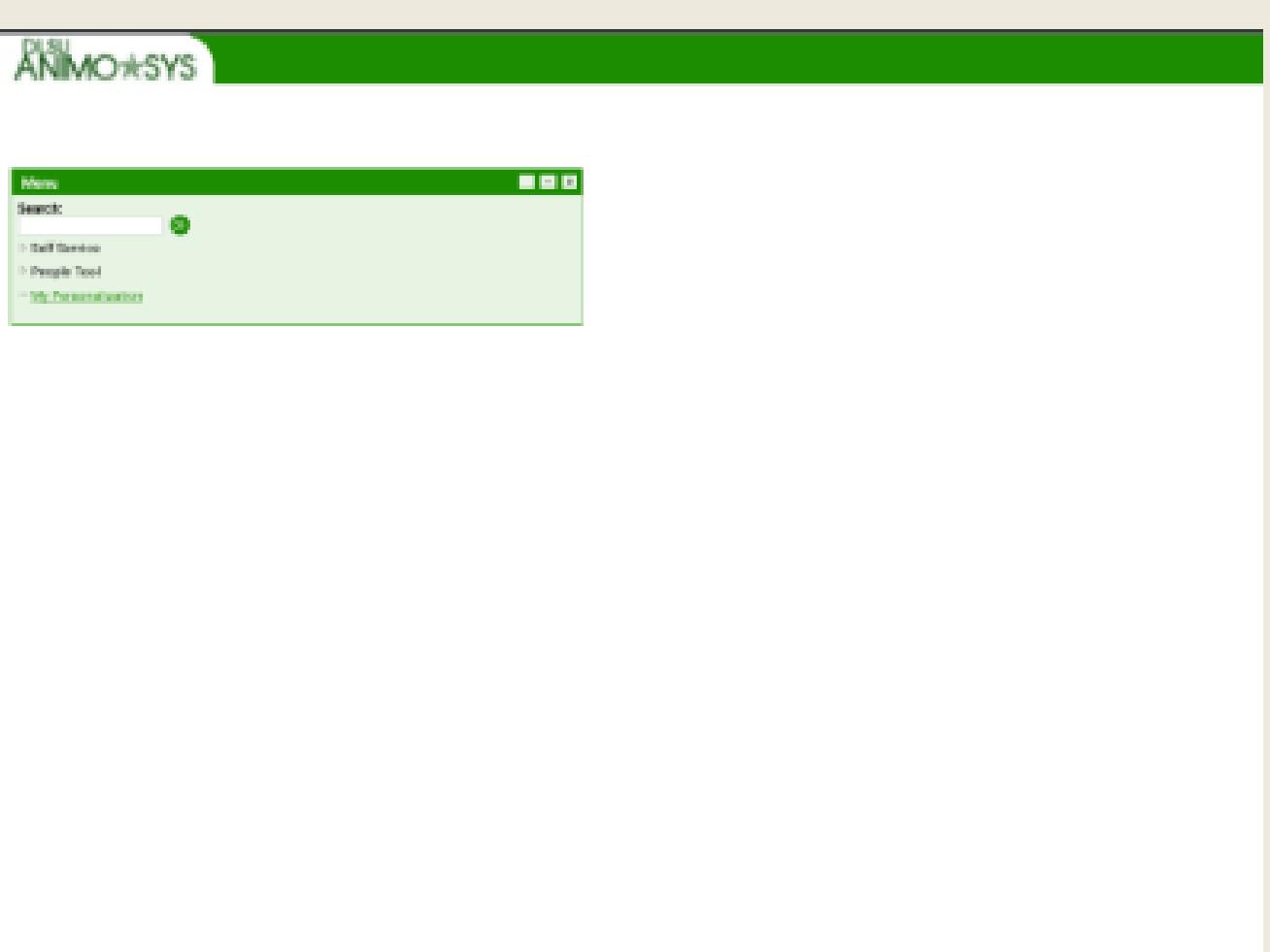
Course Monitor Function

When the extension is activated, upon searching for a course section/schedule in MLS, an additional button will be seen right beside each course section. This button will add this section to be monitored. Users will be able to receive notifications regarding this specific course section. As seen on the images, the button is visible in 'My La Salle' upon installing this extension, and when clicked, all courses that the user wishes to monitor will appear in the monitoring view of the extension and will receive notifications in the extension about course status as well.

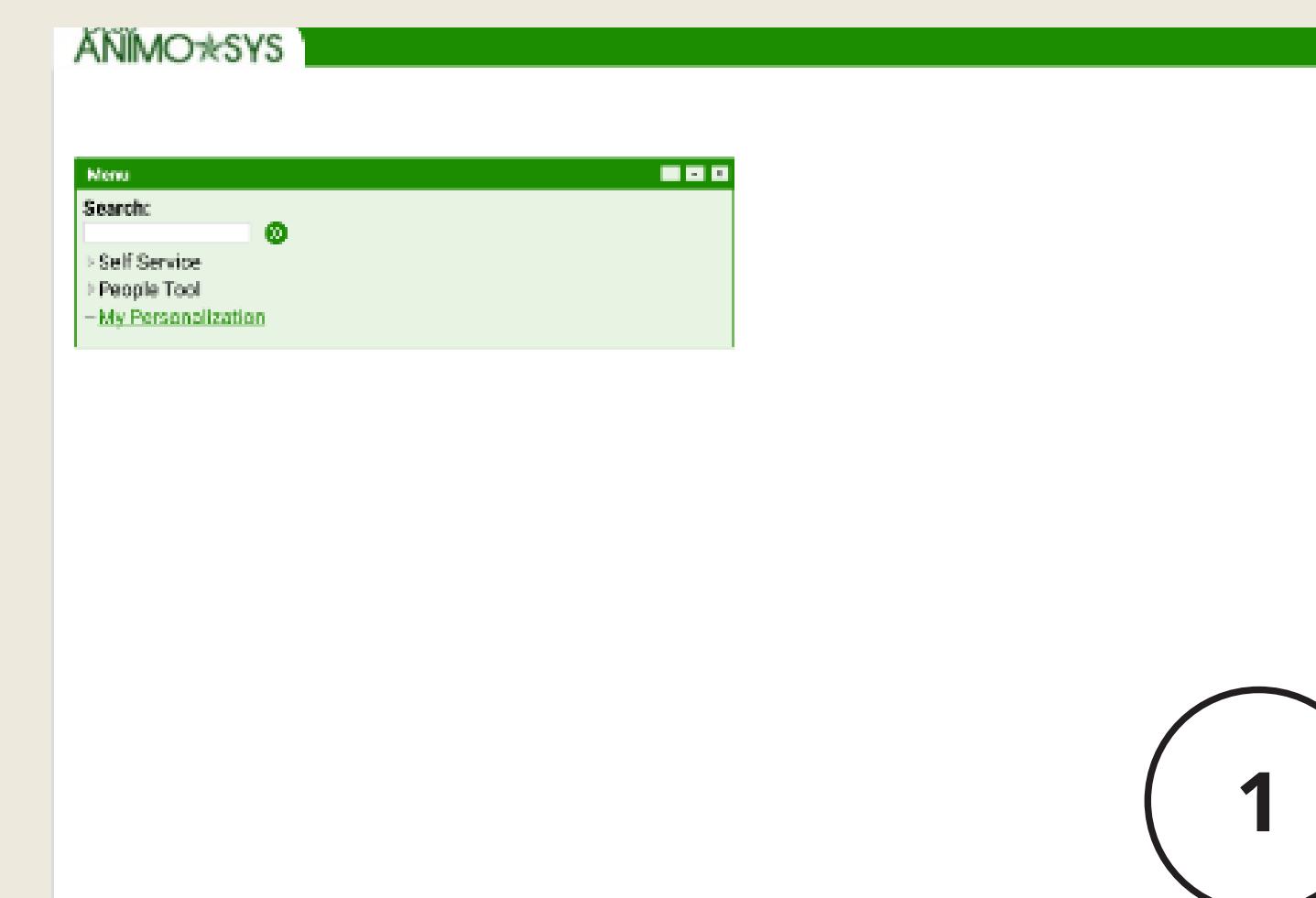
Better Layout Section: Before Toggle (Default Animo Sys)

1. Bigger Font toggle on- will simply make the content fonts bigger making it more visible to users. This was included as it was in the needfinding that students find the font size of the text way too small.

Default



After:



User Research Artifacts

User Persona and their Journey Maps:

In terms of User Persona, the researchers concluded on these Personas as it is related to enrollment : DL and Non-DL Students.

HMW (How might we)

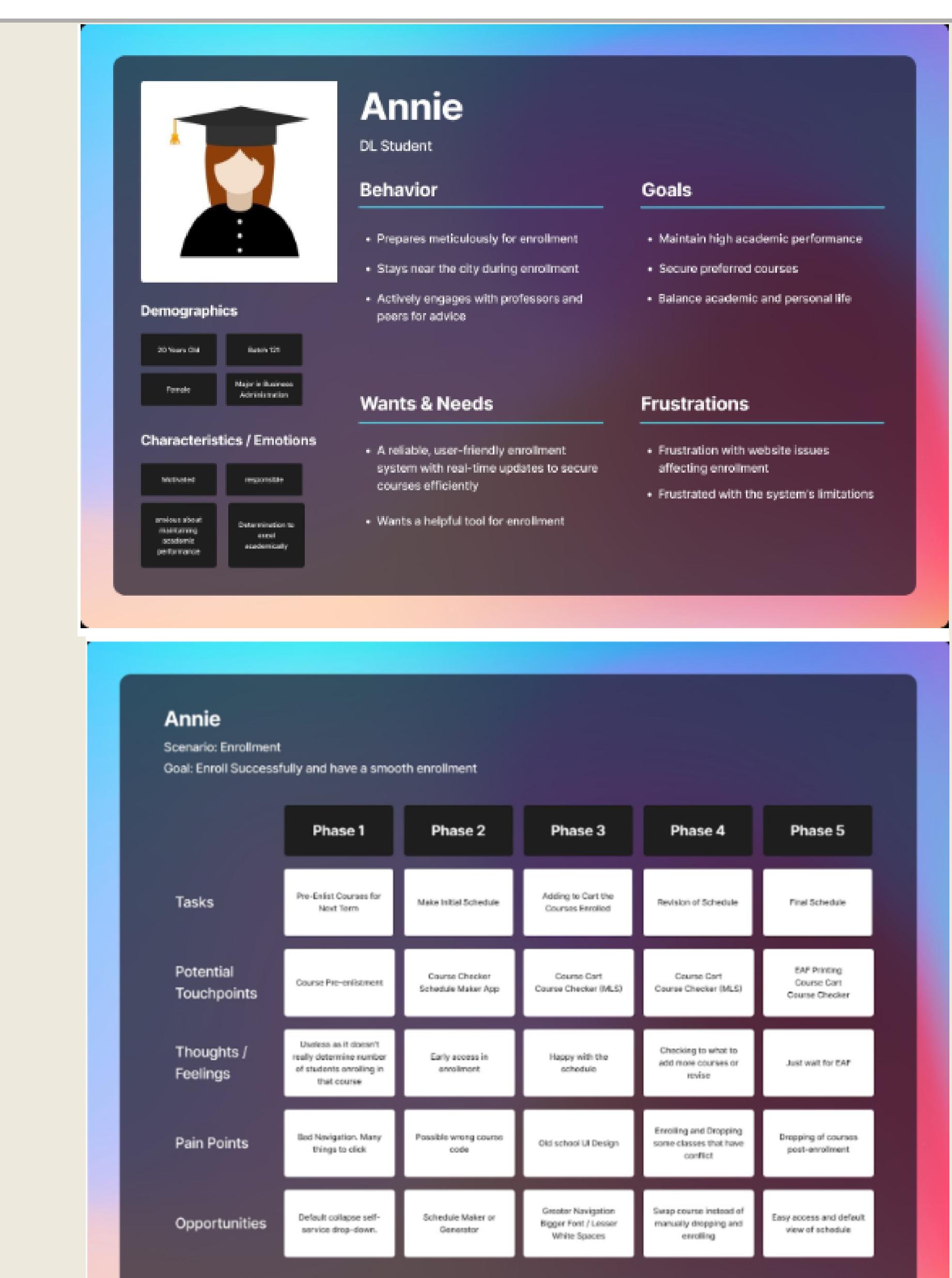
Main Challenges that the researchers observed :

1. User find it difficult to enroll due to server capacity issue
2. User find it tough due to outdated system and outdated web page design
3. User find the course checker not updating quickly and needs to have manual refresh of the webpage
4. User often find enrollment time consuming

How might we statements:

1. How might we reduce the time it takes to secure classes?
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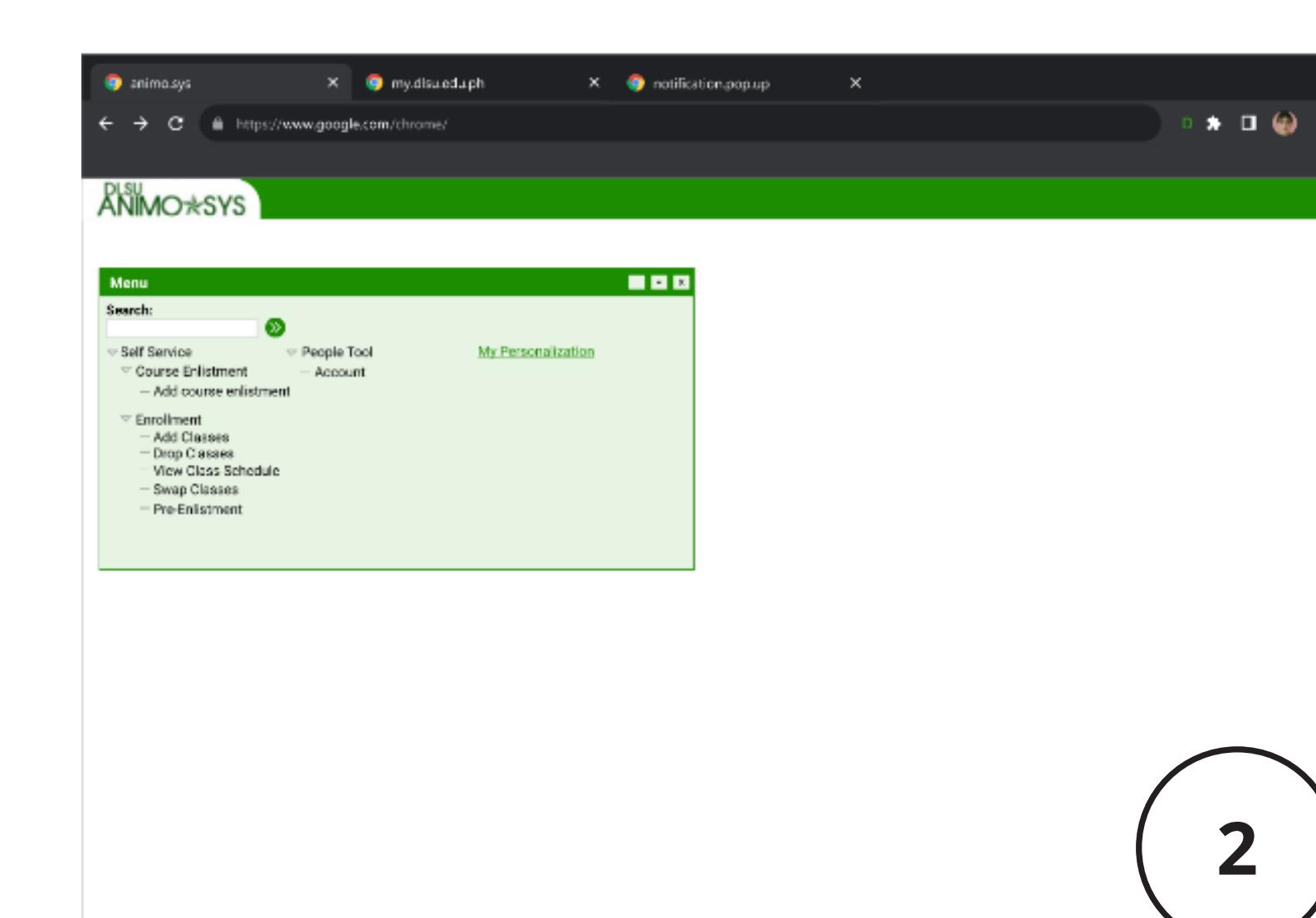
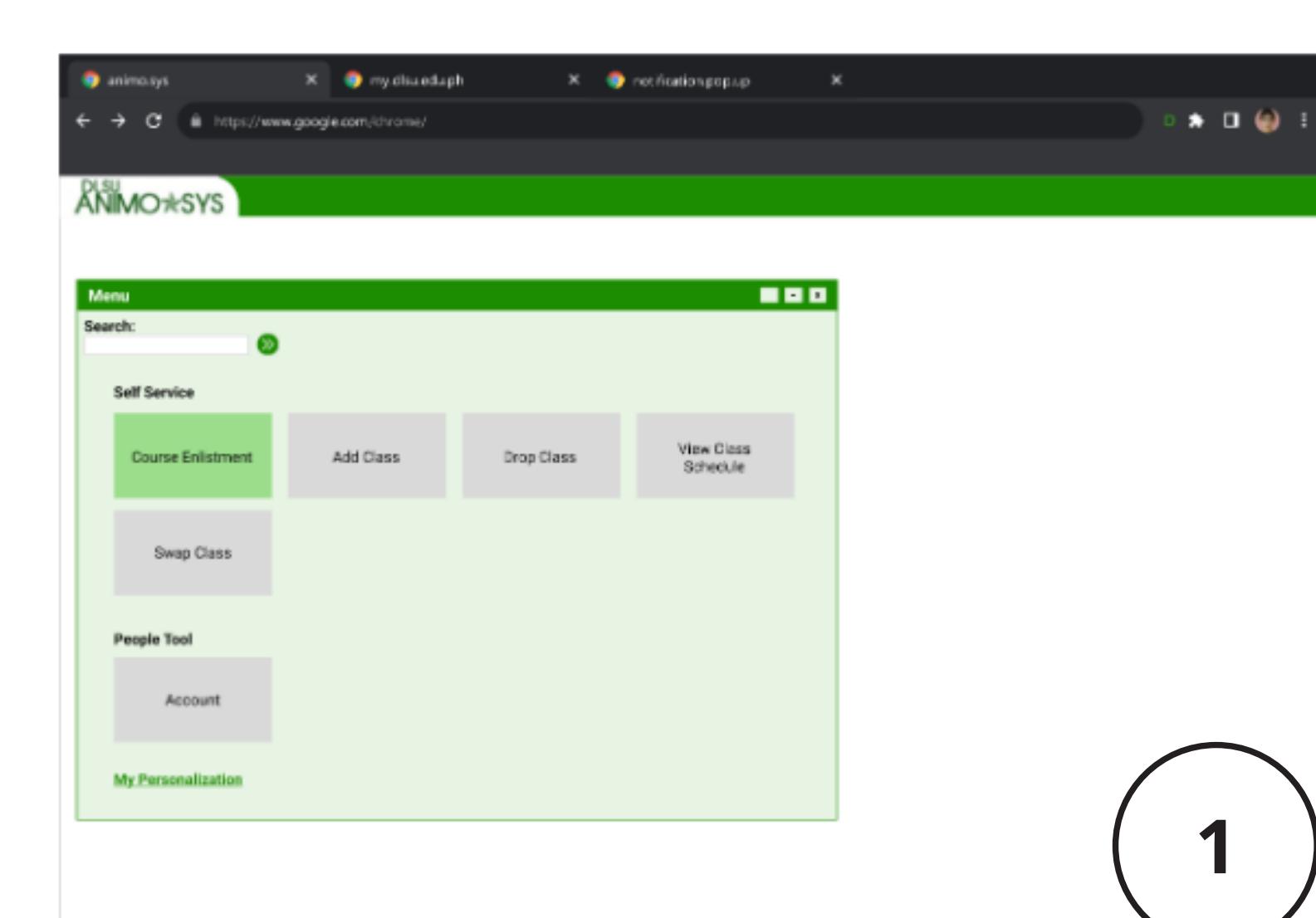
How might we address server capacity issues during peak enrollment periods?



Better Layout Section

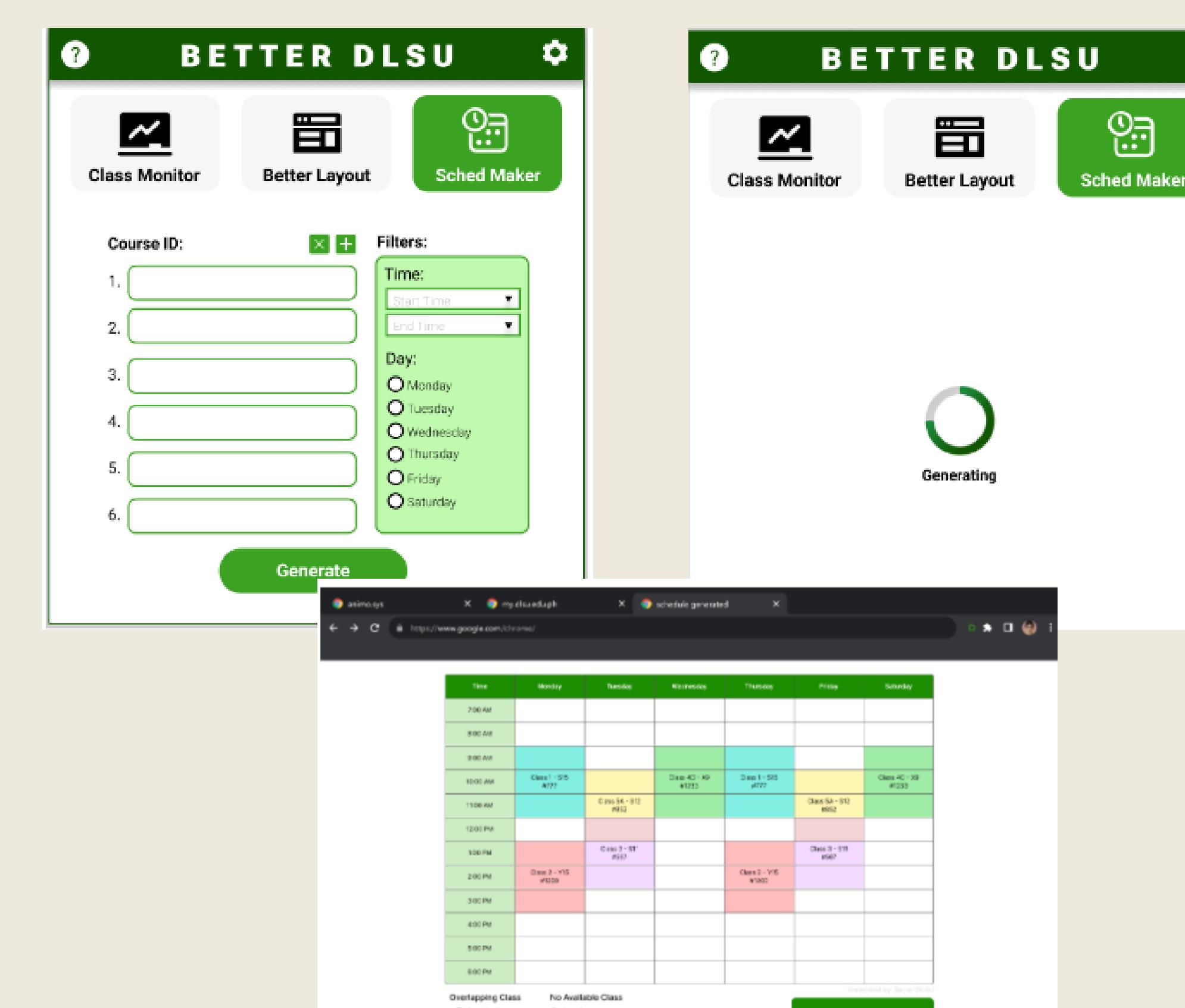
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2. The expanded dropdown toggle on - automatically expands all dropdowns making it easier for users to view different options.



Schedule Generator / Maker Section

The schedule maker simply creates a schedule based on the course ID and filters the user input. Users will be able to add their own personal time preference and what days they want to take it. Once user clicks are generated it would open a new tab and see the status of classes that have been generated, if there are overlapping or no more class slots available.




 Notifications Monitoring

Course ID	Section	Class Nbr
STHCIUX	S13	777
LCENWARD	X19	108
CSSWENG	S11	2544
CSSWENG	S14	123
LCFAITH	XYA1	777

day, April 22, 2023

Course Offerings

Today is Saturday, April 22, 2023

Third Trimester, AY 2022 - 2023

Class Nbr	Course	Section	Day/s	Time	Room	Enrl Cap	Enrolled	Remarks	+
777	LCFAITH	XYA1	T	0915 - 1045		40	0	HYBRID	
				CANETE, JONATHAN JAMES O.					
			F	0915 - 1045					
				CANETE, JONATHAN JAMES O.					
1099	LCFAITH	XZE1	W	1100 - 1230		40	0	HYBRID	
				LACSA, JOSE ERIC MELLA					
			S	1100 - 1230 MRE304					
				LACSA, JOSE ERIC MELLA					
511	LCFAITH	Y01	M	0730 - 0900	ST412	45	0	HYBRID	
				CACHO, REBECCA GUTIERREZ					
			H	0730 - 0900					
				CACHO, REBECCA GUTIERREZ					
190	LCFAITH	Y02	M	0915 - 1045	LS302	45	0	HYBRID	
				ARABIT, AURIA ULANG					
			H	0915 - 1045					
				ARABIT, AURIA ULANG					
512	LCFAITH	Y03	M	1100 - 1230	SJ303	40	0	HYBRID	
				CACHO, REBECCA GUTIERREZ					
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1

3

3

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Course Section Day/s Time Room Enrl Cap Enrolled Remarks

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1100 - 1230 40 0 HYBRID

3

BETTER DLSU

Class Monitor Better Layout Sched Maker

Notifications Monitoring

Nov 23, 2023

- STHCIUX S13 slot just opened 11:27 PM
- LCENWARD Z22 slot just opened 7:20 PM
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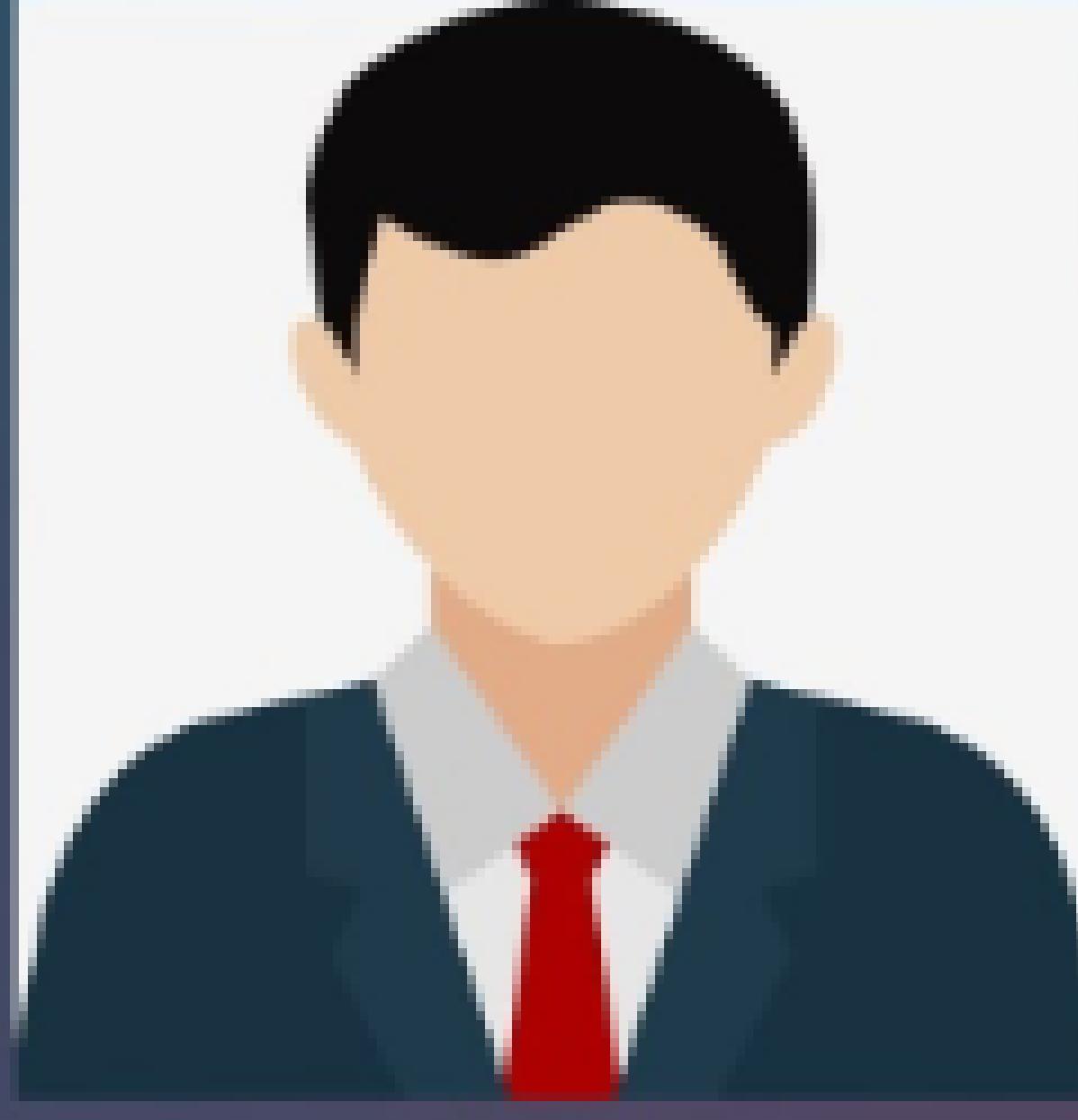
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How might we address server capacity issues during peak enrollment periods?



Sam

Non - DL Student

Demographics

22 Years Old, Single, Male, Major in Civil Engineering

Characteristics / Emotions

Determined to improve, Anxious about academic performance, Frustrated with the system's inefficiencies

Behavior

- Prepares for enrollment but struggles with schedule conflicts
- Finds it challenging to stay near the city
- Seeks help from peers

Goals

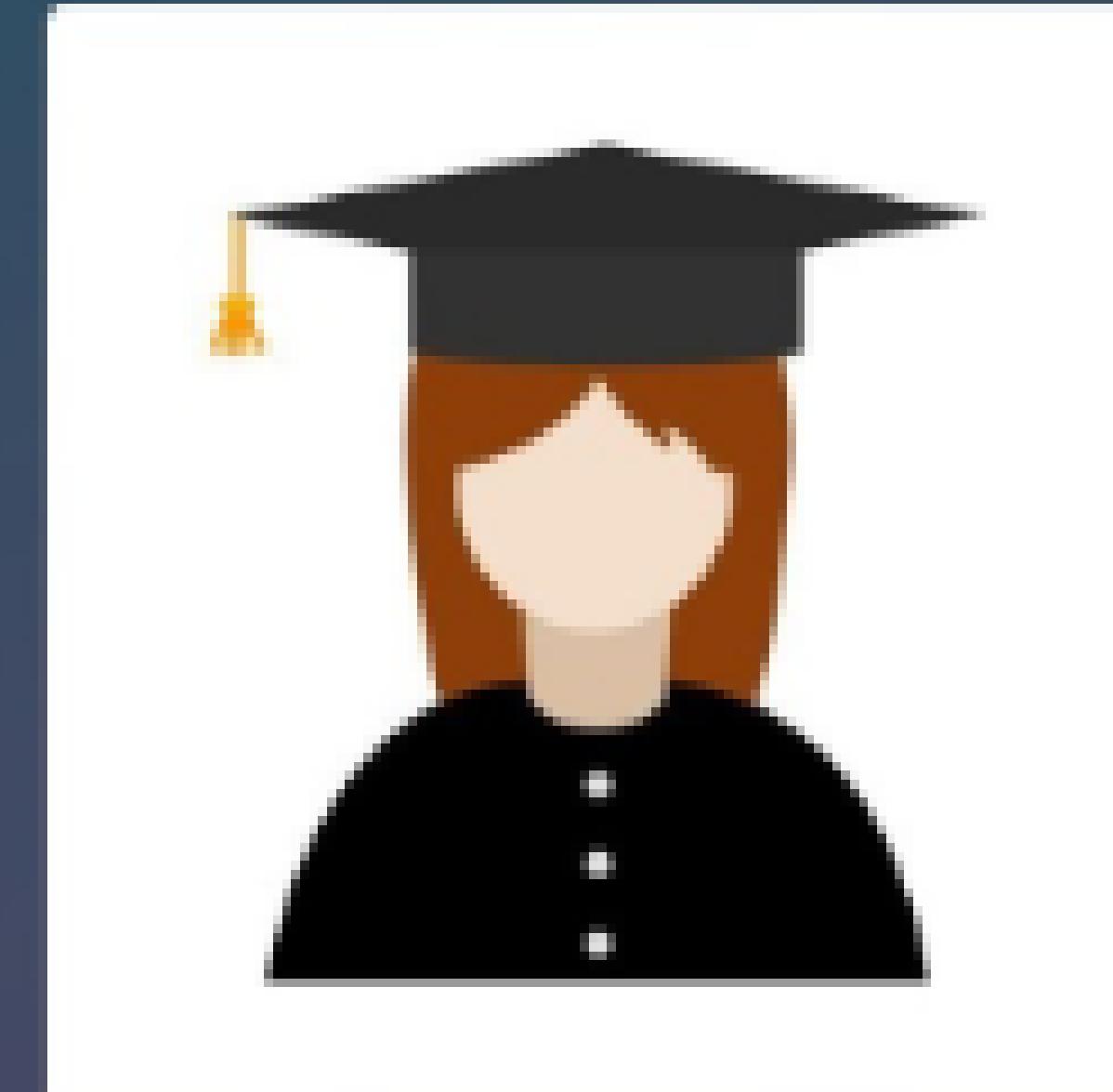
- Improve academic performance
- Secure essential courses
- Manage time effectively

Wants & Needs

- An efficient and supportive enrollment system that minimizes the time spent on enrollment, real-time course updates, flexibility in class
- Wants to avoid a hectic schedule

Frustrations

- Lack of real-time updates
- Server capacity issues,
- Time-consuming process
- Feeling overwhelmed by coursework



Annie

DL Student

Demographics

22 Years Old, Single, Female, Major in Business Administration

Characteristics / Emotions

Motivated, Responsible, Anxious about maintaining academic performance, Determined to excel academically

Behavior

- Prepares meticulously for enrollment
- Stays near the city during enrollment
- Actively engages with professors and peers for advice

Goals

- Maintain high academic performance
- Secure preferred courses
- Balance academic and personal life

Wants & Needs

- A reliable, user-friendly enrollment system with real-time updates to secure courses efficiently
- Wants a helpful tool for enrollment

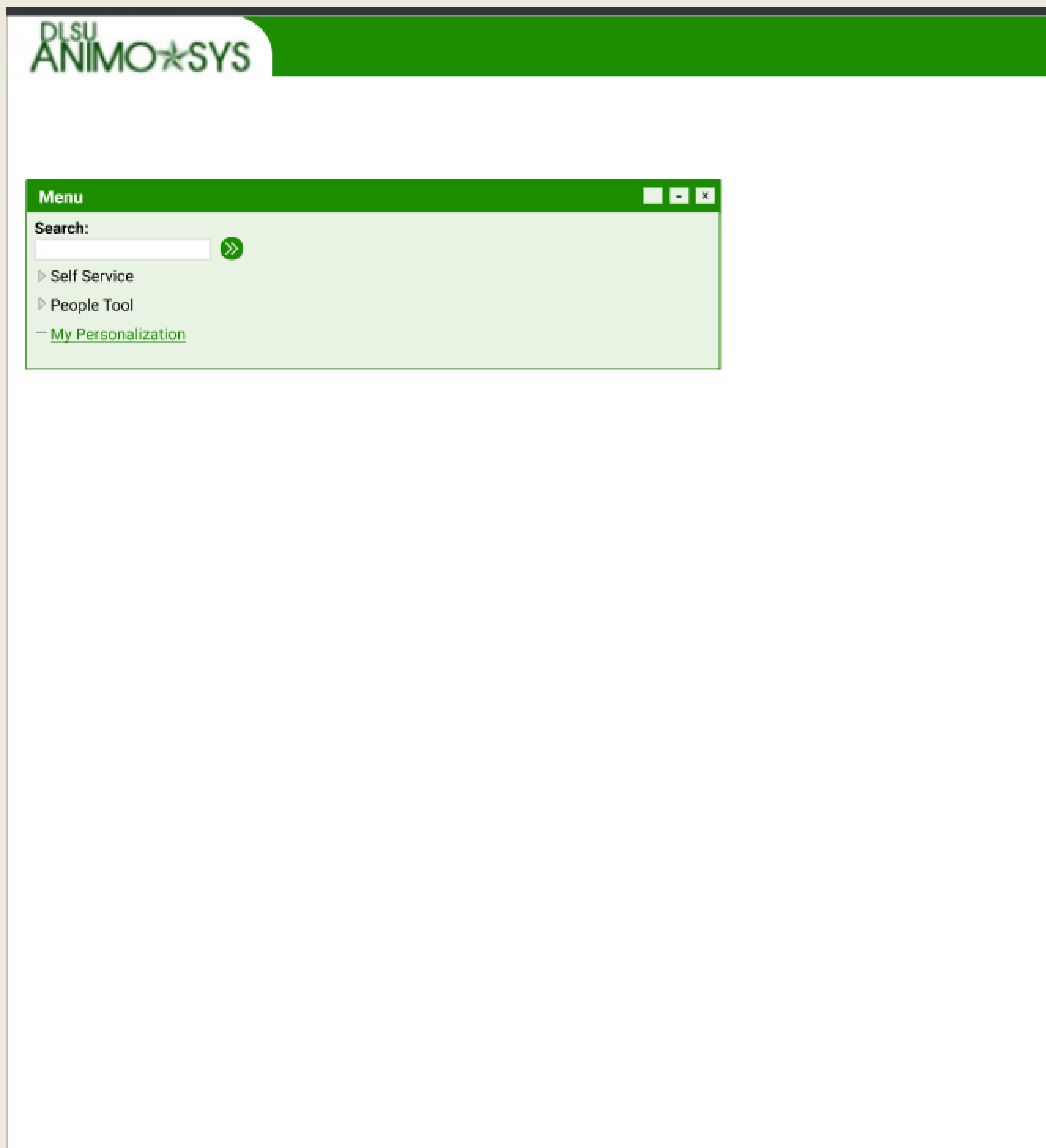
Frustrations

- Frustration with website issues affecting enrollment
- Frustrated with the system's limitations

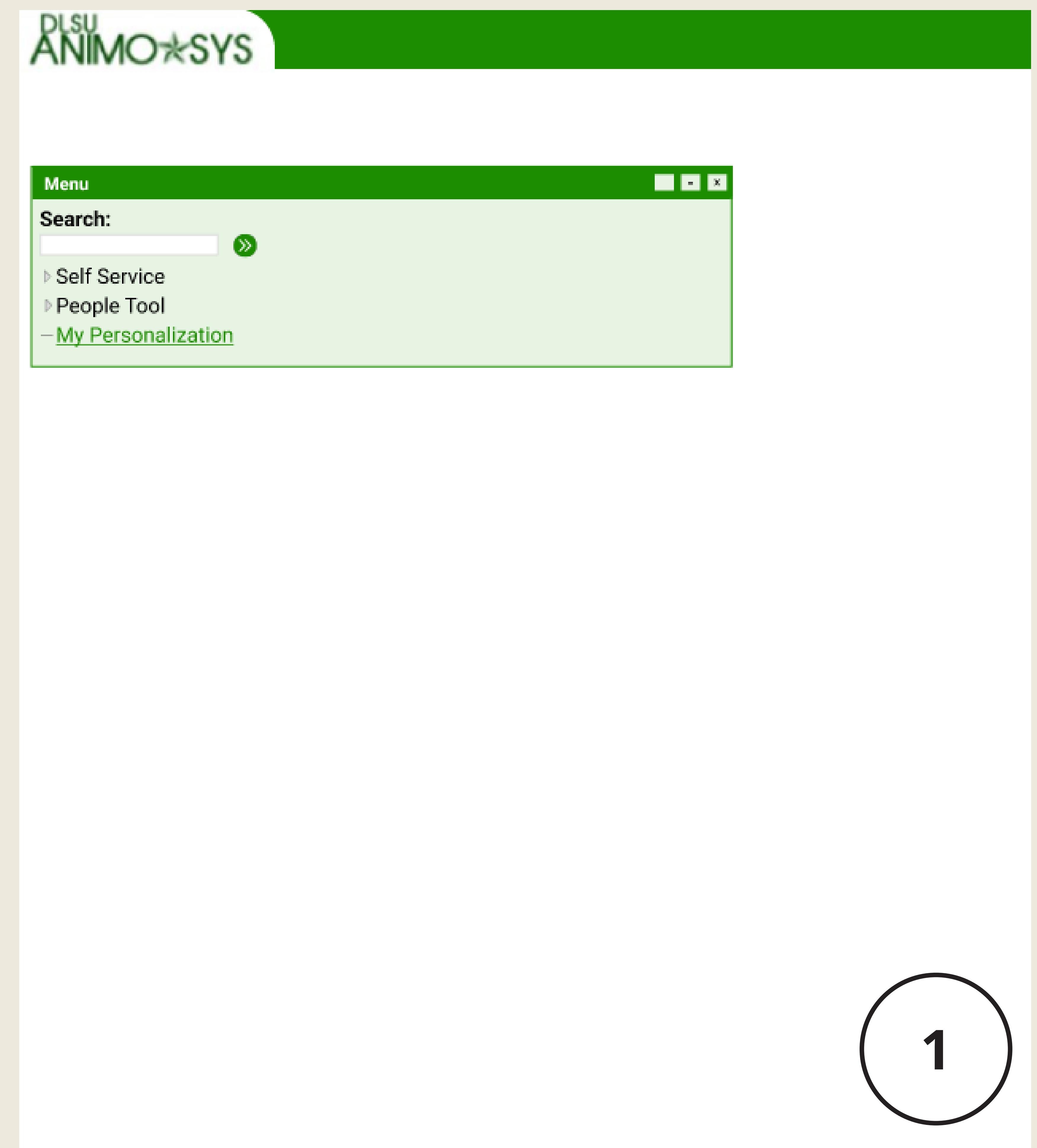
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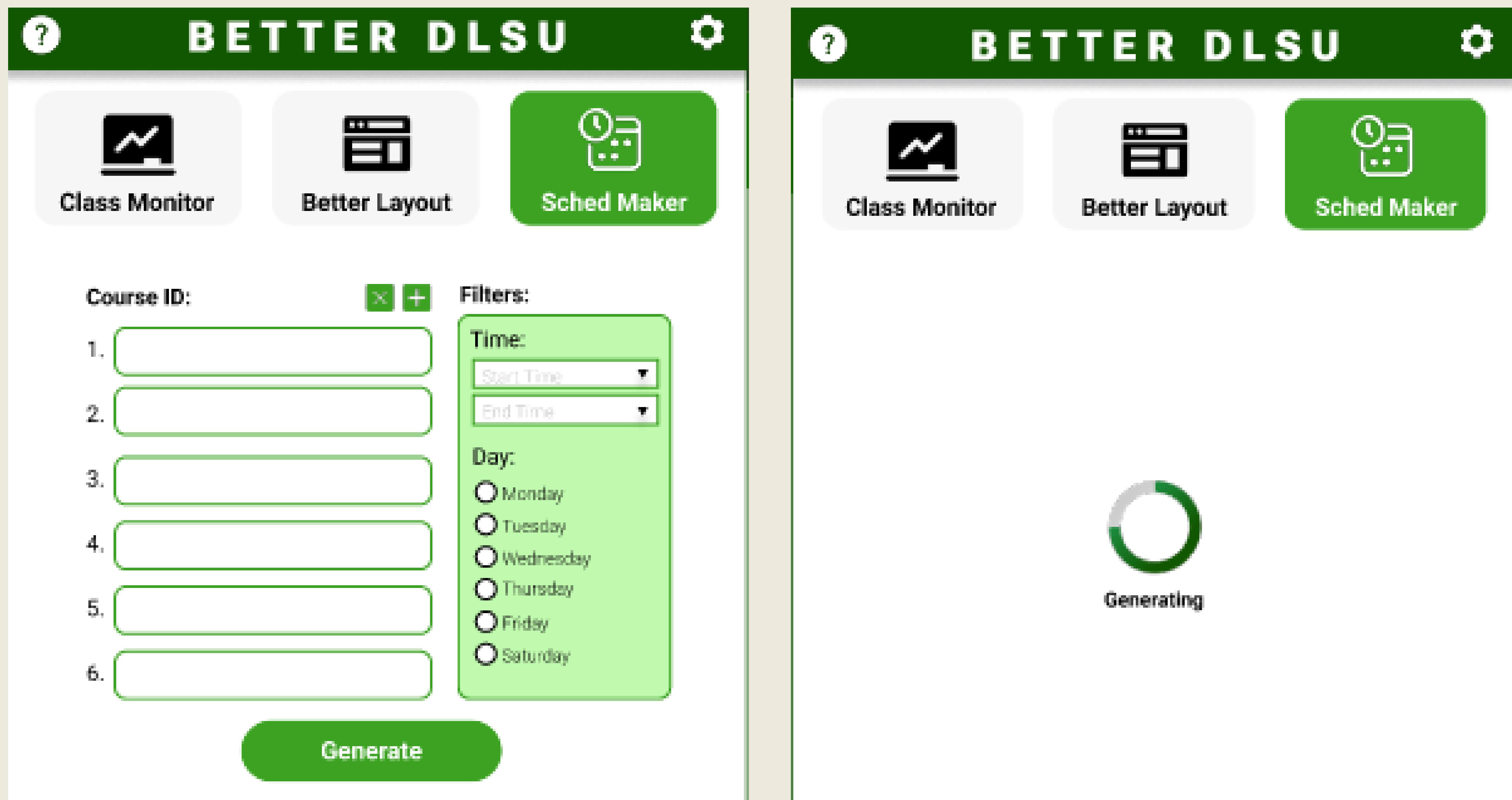
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The image shows a web browser window with three tabs: "animo.sys", "my.dlsu.edu.ph", and "schedule generated". The main content is a class schedule grid. The grid has columns for Time (7:00 AM to 6:00 PM) and days of the week (Monday through Saturday). Various classes are listed with their details (e.g., Class 1 - S15 #777, Class 4C - X9 #1233). Overlapping classes are highlighted in yellow, and no available classes are highlighted in pink. A legend at the bottom identifies the colors: purple for Overlapping Class (Class 3 - S11 #567) and grey for No Available Class (Class 6). A "Download Schedule" button is at the bottom right.

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7:00 AM						
8:00 AM						
9:00 AM						
10:00 AM	Class 1 - S15 #777		Class 4C - X9 #1233	Class 1 - S15 #777		Class 4C - X9 #1233
11:00 AM		Class 5A - S12 #852			Class 5A - S12 #852	
12:00 PM						
1:00 PM		Class 3 - S11 #567			Class 3 - S11 #567	
2:00 PM	Class 2 - Y15 #1200			Class 2 - Y15 #1200		
3:00 PM						
4:00 PM						
5:00 PM						
6:00 PM						

Overlapping Class: Class 3 - S11 #567
No Available Class: Class 6
Generated by: Better DLSU

Download Schedule

HOW TO MAKE A RESEARCH POSTER: A GUIDE FOR STUDENTS

Many technologies and breakthroughs would not be possible without research. It is important to keep members of the community informed about the latest updates. One way to do that is through research posters.

PROTOTYPE

AUTHORS

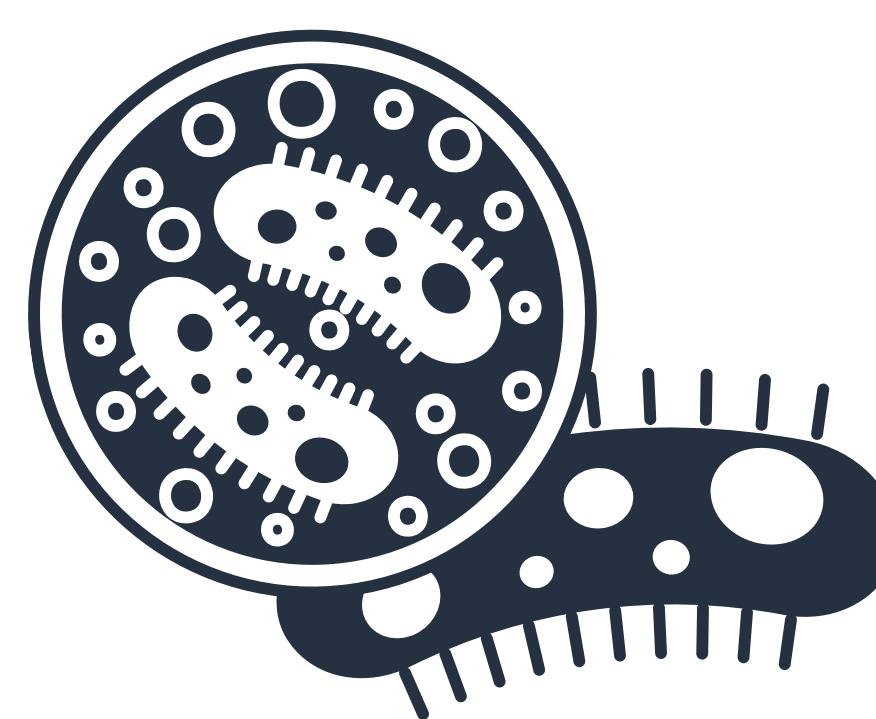
Be proud of your work! Add the names of the people involved in this study. Don't forget to include titles and honorifics. We're proud of those too.

AFFILIATIONS

We're also proud of the institutions that we are with and support our research. Let's let them know by adding their names and logos here.



Write a caption that will clearly explain what this graphic is about and how it relates to the study.



Use illustrations to showcase your data in a visual form.

Graphs are great in helping make numbers easier to understand.

CONCLUSION

Summarize your study and let the viewers know two to three key findings. You can also add a description of each that can give them an idea of what comes next. This section can also include any implications of the study, and if there are any actions or recommendations for future study.

RESULTS/FINDINGS

Results show the outcome of the research and should answer the question or hypothesis stated in the introduction. State what you've found from your study. You can also list your findings in bullets.

INTRODUCTION

Posters are popular method of presenting research findings in a concise and visually pleasing manner. They are commonly used in conferences and meetings. Start by introducing the subject of your research and/or your hypothesis. What are the questions about this topic that you want to answer? What new things can it contribute to the existing literature?

OBJECTIVE

It is important for your readers to know what you want to achieve with your research. State this as clear as possible.

METHODOLOGY

Let people know how you did your study. Methods can vary depending on the subject or results you want to see. These methods can include:

- Interviews
- Surveys
- Comparison studies
- Experiments

You can also show studies of existing literature that were used as references.

Expand on your findings by discussing what methods were used to analyze your data. It can get technical so keep it simple and direct to the point. Use bullets for emphasis. Include key graphs, tables, illustrations, and other images that support the study and show a visual analysis of the data. Make sure they are large enough to be seen from a distance but not clutter the poster.

BETTER DLSU



Class Monitor



Better Layout



Sched Maker

Notifications

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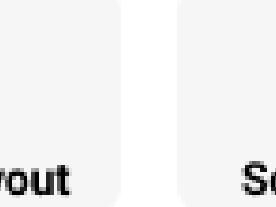
BETTER DLSU



Class Monitor



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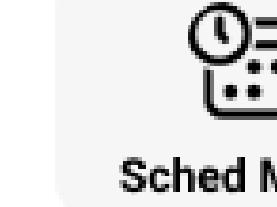
BETTER DLSU



Class Monitor



Better Layout



Sched Maker

Starting Page Layout (animosys)

Card View Expand Dropdown

Preference and Improvements

Bigger Font Show Slot

Dark Mode

More options

Custom Font

Card Color Palettes

BETTER DLSU EXTENSION

PROBLEM STATEMENT

De La Salle University's online enrollment process presents challenges due to a lack of notification features, leading to students manually tracking course availability, especially during peak enrollment periods. The absence of real-time updates on the course checker forces users to frequently refresh the page, contributing to the cumbersome process. Server capacity issues on the enrollment website further impede a smooth enrollment experience for students. The overall problem revolves around the need for a more efficient and user-friendly online enrollment system to address these issues.

FOCUS PROBLEM

The time-consuming process of manually tracking course availability and bad user interface of the enrollment platform.

CONCLUSION

Study findings indicate significant improvements in the 'Better DLSU Platform Extension,' enhancing user experience through course monitoring and schedule creation. Key takeaways include positive feedback on visual design, usability, and feature usefulness. Further iterations could address navigation enhancements and additional features suggested by user feedback for an even more user-friendly solution. Future studies could focus on refining navigation and implementing new functionalities based on user preferences



METHODOLOGY

In our study on students' experiences with the DLSU online enrollment platform, the researchers will employ a mixed-method approach. Researchers will collect data through:

- Zoom Meeting Interviews
- Google Form Surveys

For quantitative data gathered from survey it will be summarized by the built-in function of Google Forms function and qualitative data (open-ended questions) are analyzed using an affinity map and categorized to come up with trends and interpretations.

RESULTS/FINDINGS

Around 53% of the respondent does not get their desired courses within their dedicated period



Strategies students come up to try and secure or get alternative afterwards :

- Constant Monitoring or Camping in the platform
- Create an alternative schedule / Find an alternative course
- Early Login during enrollment period
- Prepare Multiple device
- Reservation

Key Challenges :

1. Users find it difficult to enroll due to server capacity issue
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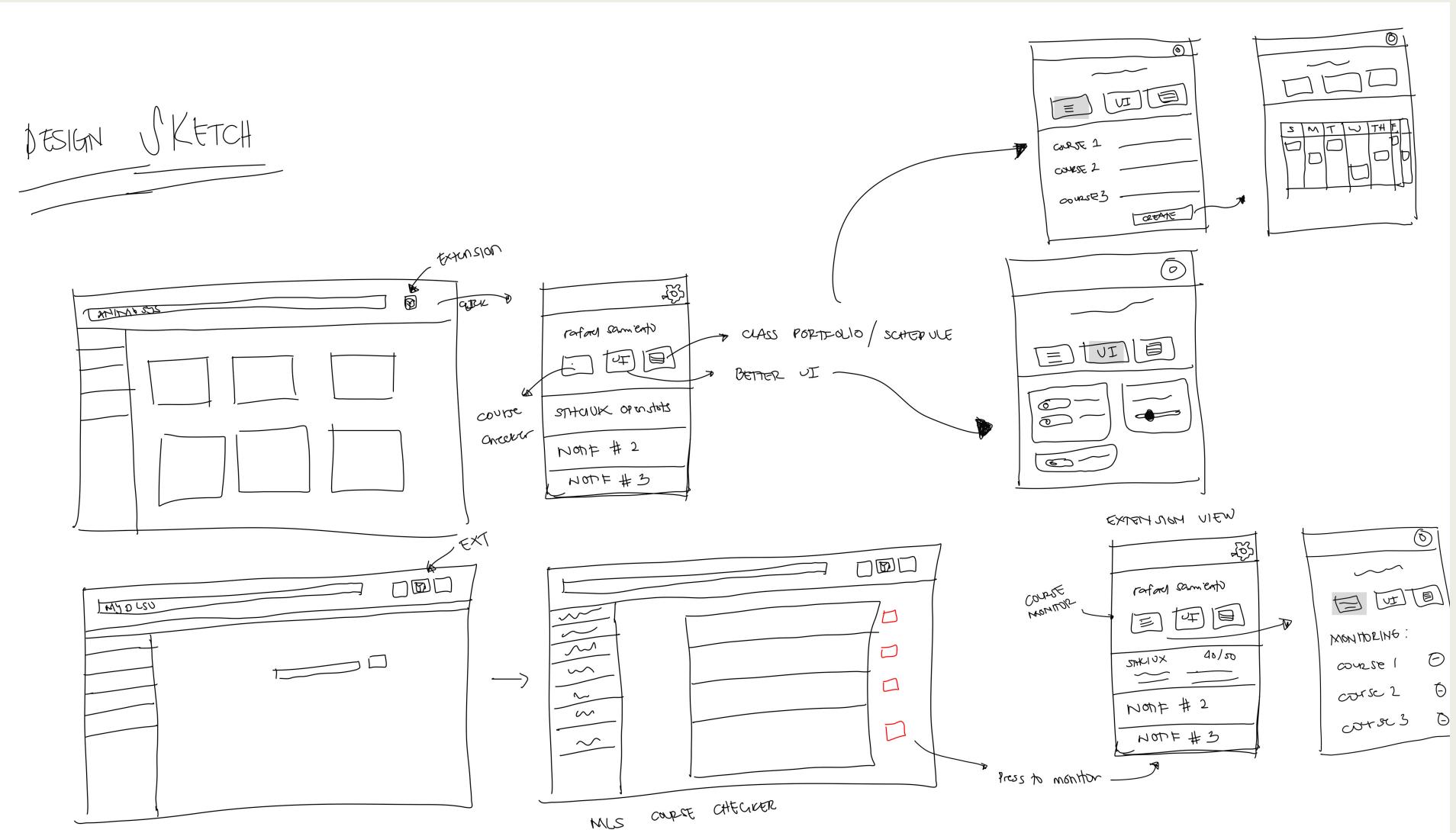
Pain Points :

- Lack of real-time updates: The course checker doesn't offer real-time updates, requiring constant manual refreshing.
- Server capacity issues: The website's server often faces congestion, causing crashes and slowdowns.
- Time-consuming process: It takes days to secure classes due to the challenges, impacting academic and personal life.
- Outdated system: The enrollment portal and website are outdated and inefficient.

PROTOTYPE SOLUTION:

The idea was built from 2 possible solutions that the group came up with : revamping the user-interface of the enrollment platform and an external tool for notifications. This was inspired by a similar extension which is Metamask (a digital wallet) and Better Canvas. The extension has 3 functionalities:

- Course Monitoring
- Schedule Maker
- Provide Better UI



CLASS MONITOR / NOTIFIER

SCHEDULE MAKER

BETTER LAYOUT

RESULTS/FINDINGS OF INTERVIEWS

1. Enrollment System Challenges

- **Student Perspectives:** Interviews highlighted recurring issues faced by De La Salle University students with the online enrollment system.

2. Common Concerns

• Process Frustration:

- Students expressed frustration due to the time-consuming nature of the enrollment process.
- Lag issues during peak times led to queuing and delays.
- Demand for a more user-friendly and efficient system was emphasized.
- Worries about course availability and schedule conflicts were prevalent.

3. Adaptation Strategies

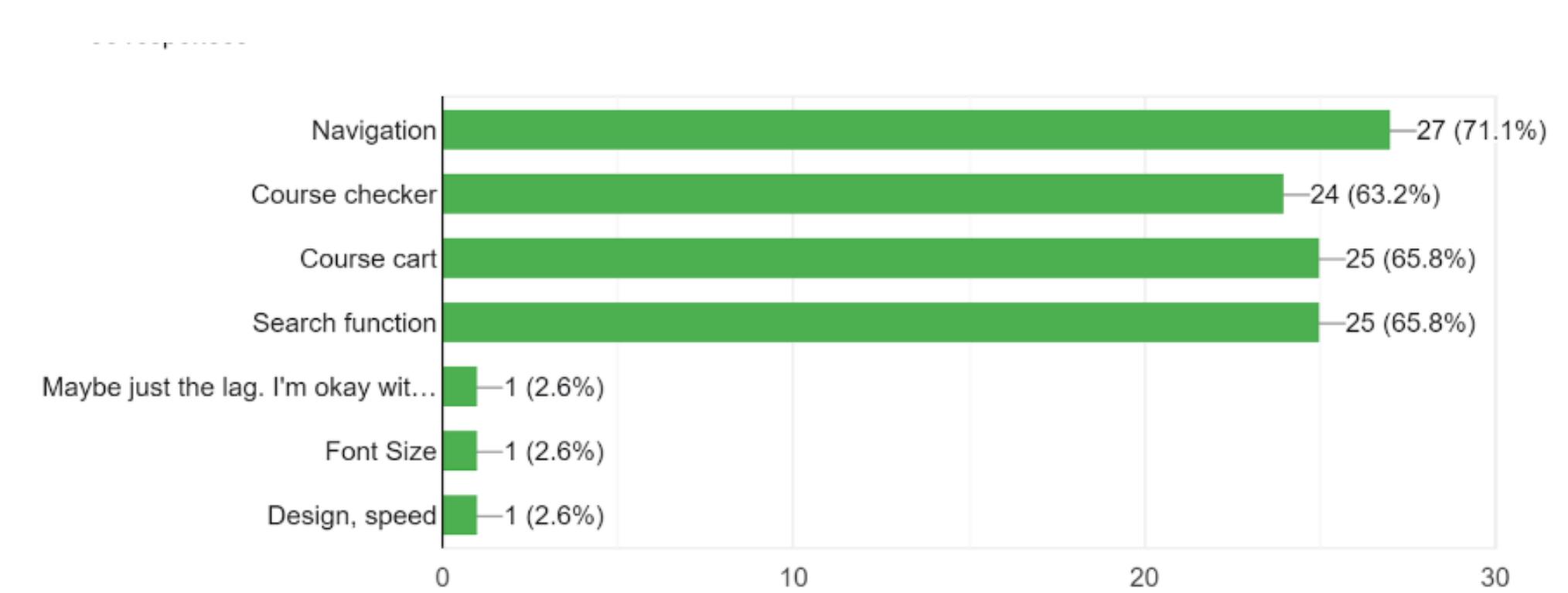
• Student Coping Mechanisms:

- Some students opted to stay near the city or utilize better internet connections.
- Creating multiple schedules and continuous manual checking were strategies employed.

4. Emotional Impact

• Stress and Determination:

- Students experienced stress, anxiety, and frustration due to uncertainties and system limitations.
- Despite challenges, students showed determination in finding solutions.



Key Question: Question #7

Problematic Features:

- Navigation: Highlighted as the most problematic feature by 71.1% of respondents.
- Course Cart & Search Function: Identified as problematic by 65.8% of participants.
- Course Checker & Other Issues: Posed challenges for 63.2% of respondents, along with Font Size, Design, and Speed issues.

Our initial hypotheses centered on the inefficiencies within the enrollment platform affecting user experience. The prominence of Navigation, Course Cart, and Search Function issues aligns with our hypothesis that the system's design flaws significantly impact user interactions. Navigation, as the most prevalent problem, substantiates the hypothesis that poor interface design impedes smooth user interactions, resulting in frustration and hindering the enrollment process.