UX Research Process

Objective (what do we need to do) : The objective is to conduct depth research, feasibility study, UX methodology, and wireframe for the Proto-A-Thon 2024 project

Hypothesis (what is our assumption) : The assumption is that education technology can play a crucial role in improving access to education and employment for students with disabilities in Indonesia.

Methods (what are the methods to use) : The methods to use for the Proto-A-Thon 2024 project include depth research, feasibility study, UX methodology, and wireframe development.

Conduct (start your Ux research) : To start the UX research for the Proto-A-Thon 2024 project, we will begin by conducting depth research to understand the diverse needs of users with disabilities in Indonesia. This will involve exploring the levels of barriers faced by individuals with disabilities, such as vision impairment, hearing impairment, mobility issues, and cognitive challenges. Additionally, we will analyze the socio-economic indicators related to persons with disabilities in Indonesia, such as their access to education and employment opportunities. This initial research will provide valuable insights into the specific needs and challenges faced by individuals with disabilities, guiding the development of a user-friendly and accessible education technology solution for the Proto-A-Thon 2024 project.

Synthesis (organize and analyze results) : The results of the UX research for the Proto-A-Thon 2024 project have been organized and analyzed to identify key themes and categories, generating actionable insights that will guide the development of a user-friendly and accessible education technology solution for individuals with disabilities in Indonesia.

UI as Admin

In image 1, there is a login interface. This page displays a greeting message, username and password text fields. There is also a checkbox button labeled "Remember me" which aims to store the username and password so that users do not need to log in again. Furthermore, there are "Login" and "Sign Up" buttons which, when clicked, will direct to the next page. The complete appearance can be seen in image 1.
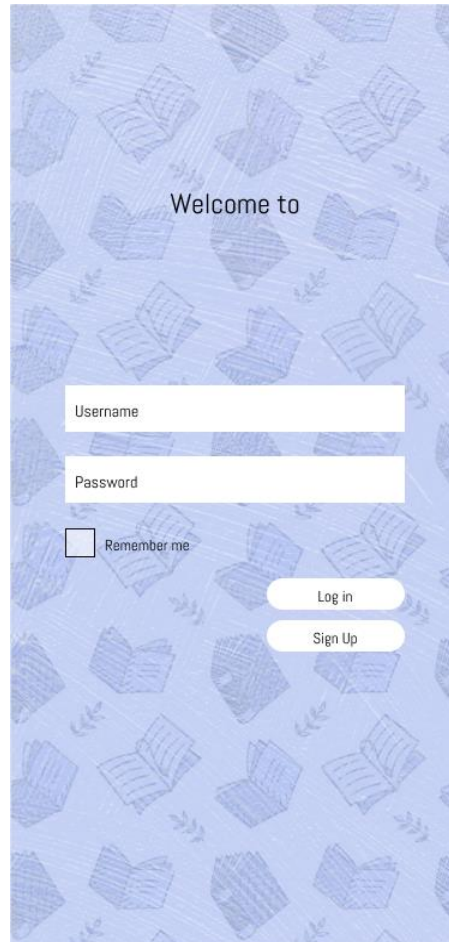

Image 1. Opening Screen 1

On this page, logged-in users can choose their desired role. The roles are divided into two options: admin and student. When selecting one of these options, it will display a different homepage. The complete appearance can be seen in image 2.
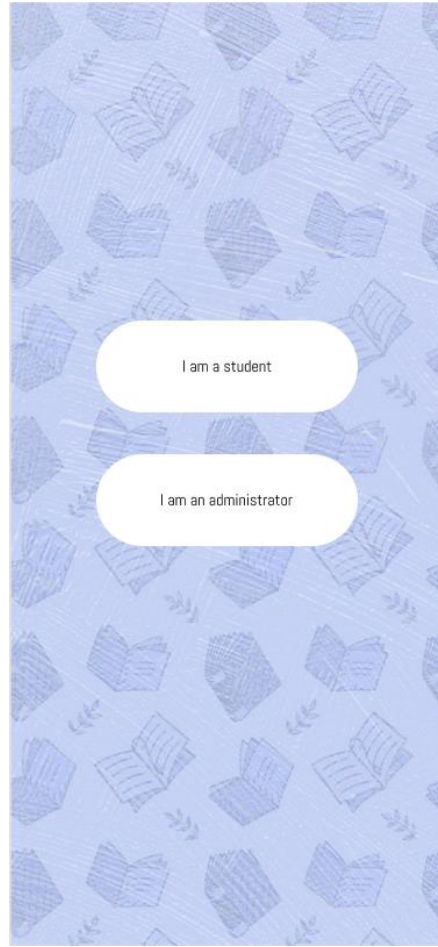
Image 2. Opening Screen 2

When the user selects the role of admin on the previous page, the admin homepage interface will appear. On this homepage, there are 4 functions that can be accessed. There are navigation buttons for students, accommodations, meetings, and inbox. Each of these buttons has specific functions. The complete appearance can be seen in image 3.
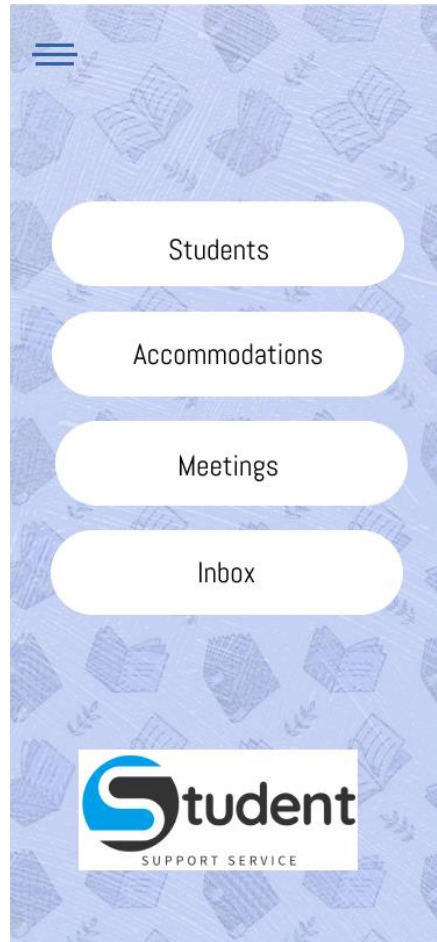
Image 3. Homepage as administrator

When the admin clicks on the three-dot button on the homepage, this page will appear. This page is the admin's profile page, displaying the admin's personal information. You can see the complete appearance in image 4.
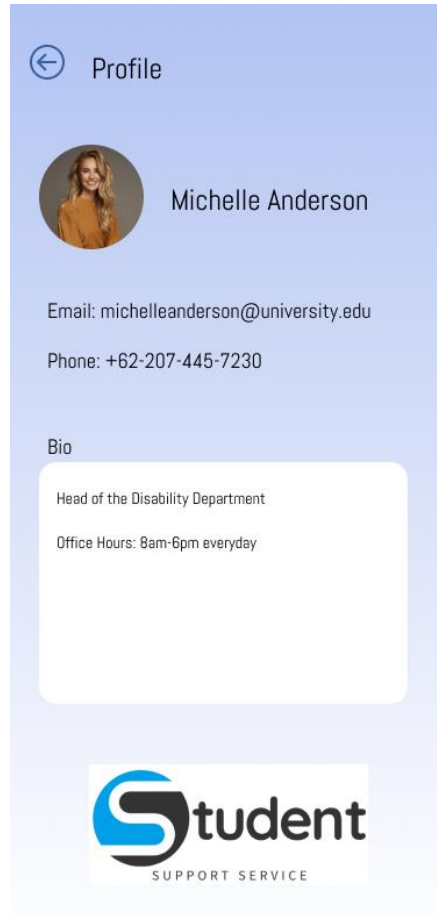
Image 4. Profile

This is the page that displays a list of registered students. To navigate to this page, the admin can click on the "students" button on the homepage. The complete appearance can be seen in image 5.

Image 5. List of Students

If the admin clicks on one of the names from the list of students, it will display the details of that student's personal data. Additional data includes profile picture, name, enrollment year, ID, and other relevant information. You can see the complete appearance in image 6.
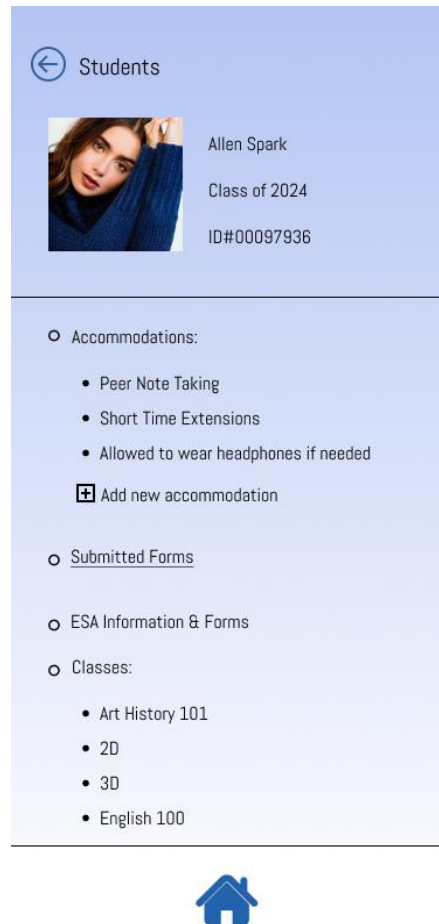
Image 6. Student Details

Back to the homepage, when selecting "accommodations", the admin can manage the accommodations provided. As shown below, this is a list of available accommodations. The list is categorized into two: class needs and housing needs. Students can choose from this list, and their choices will be displayed in their profile details. Here is the complete view as seen in image 7.
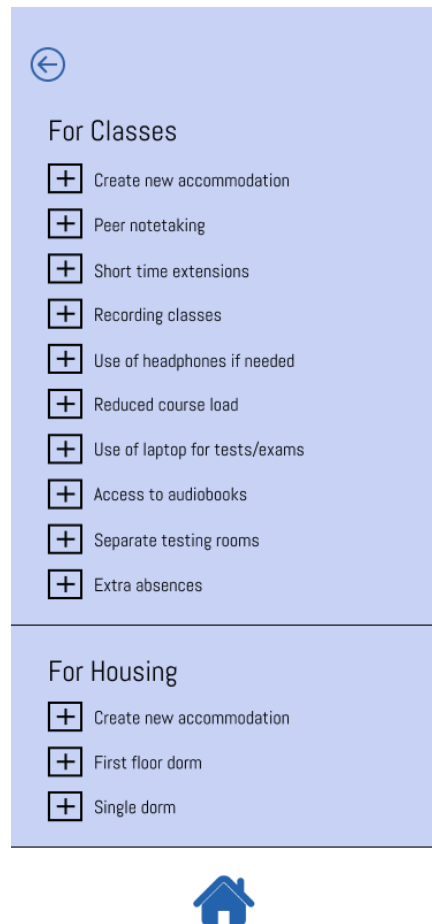
Image 7. List of accommodations

The display below is a list of upcoming scheduled meetings. To access this view, the admin can return to the homepage and select the "meetings" button. This page presents information such as schedules on each date, meeting times, and attendees. This page, admin can see previous meeting and edit the meeting summary for disability students and students who miss the meeting. Here is the complete view, as seen in image 8.1, image 8.2, and image 8.3.
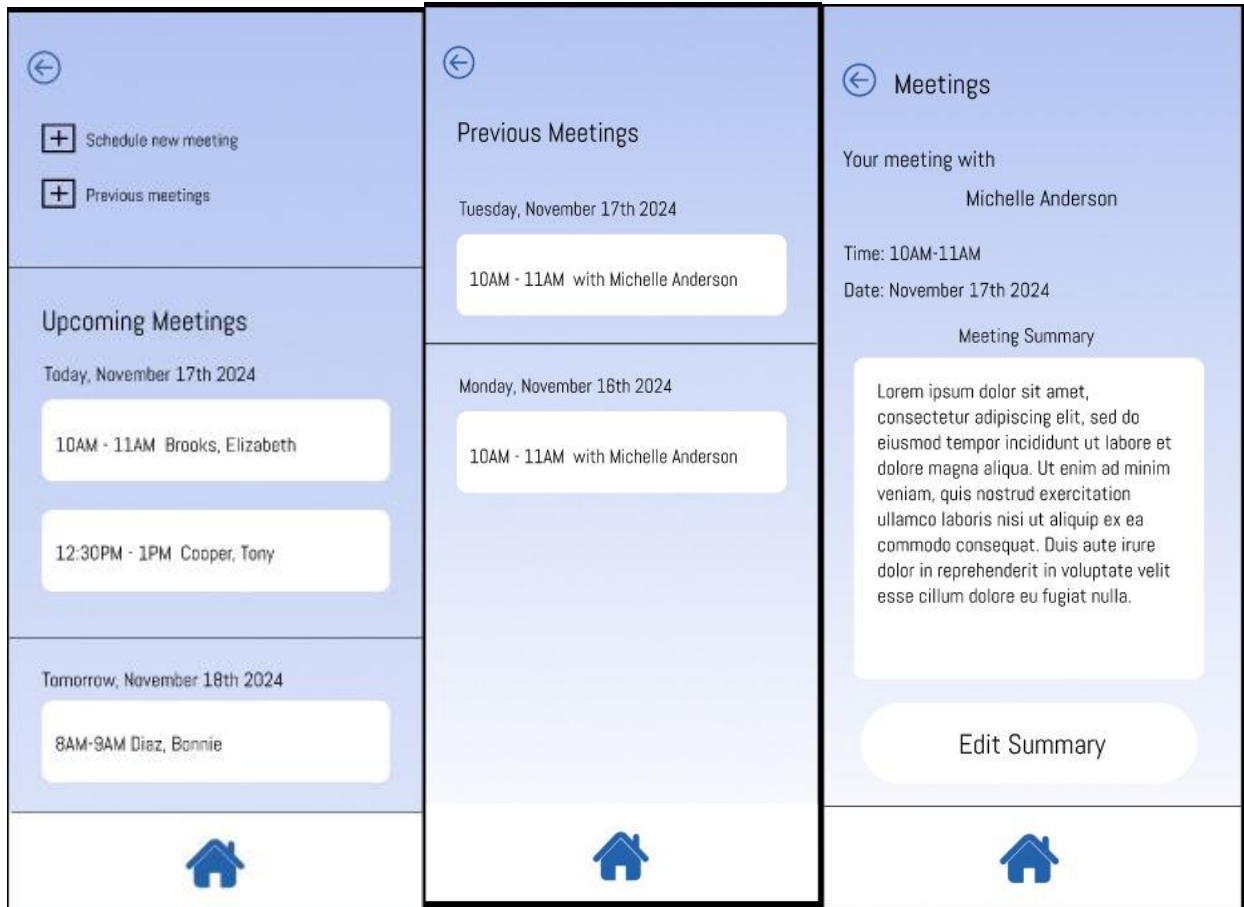
Image 8.1. List of meetings   Image 8.2. Previous meetings   Image 8.3 Edit meeting summary

When the admin clicks on one of the meeting information from the list, this page will appear. This page displays the details of the meeting, including the student's name, meeting link, time, and date. The admin can also view the student's profile and any forms they have and admin can mark meeting as complete. You can see the complete view in image 9.
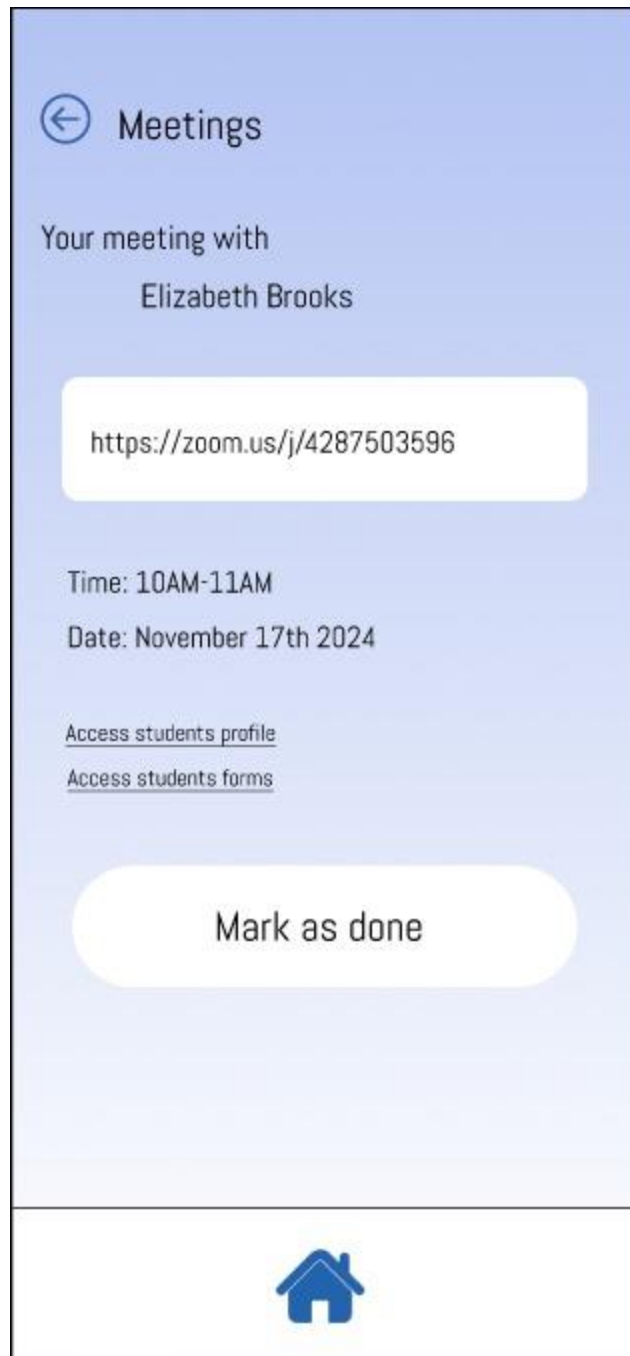
Image 9. Detail of meetings

In image 10, it shows the interface of the "inbox" page. This page contains conversations that have been conducted between students and admins. When clicking on one of the contacts, it will display the conversation details like in image 11.
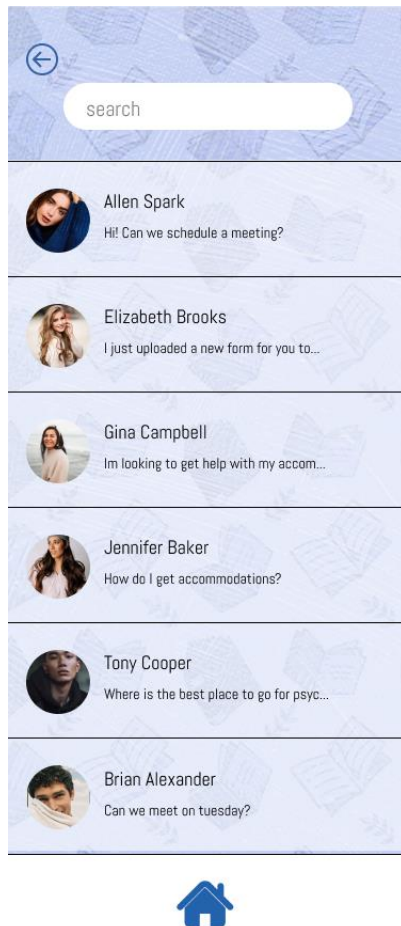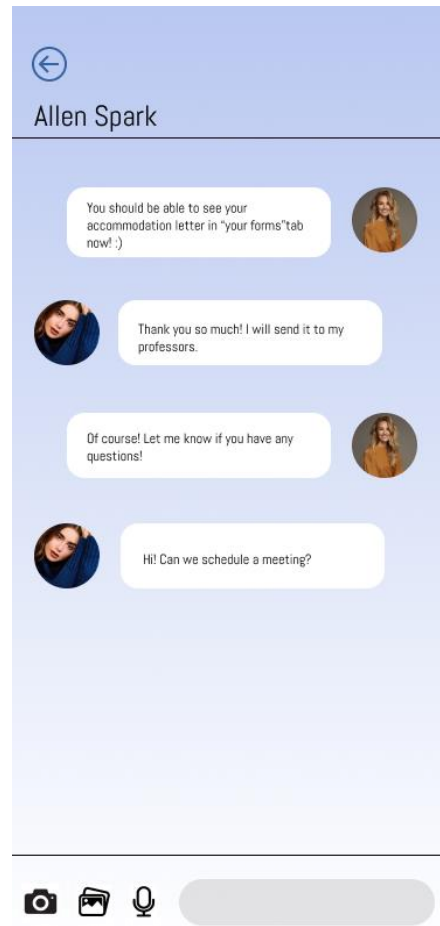
Image 10. inbox   Image 11. Detail of inbox

UI as Student

      After a successful login, the user is directed to the page shown in image 12. When the user selects "student", it will navigate to the homepage as seen in image 13. On this homepage, the student can access various information depending on the button pressed. To view the student's personal data, they can click on the three-dot button on the homepage, and the profile page will appear as shown in image 14.
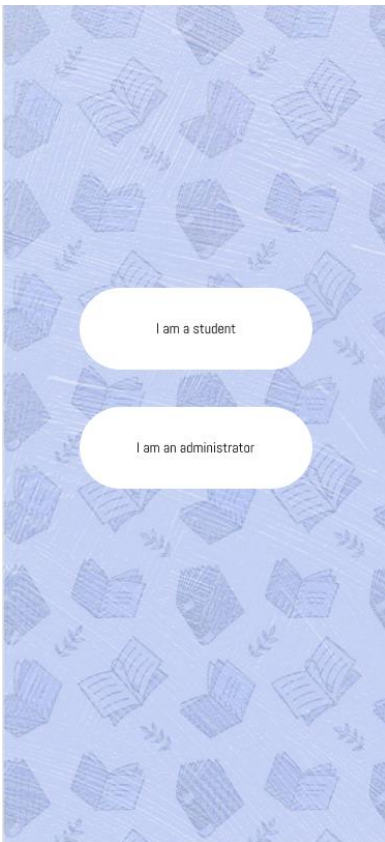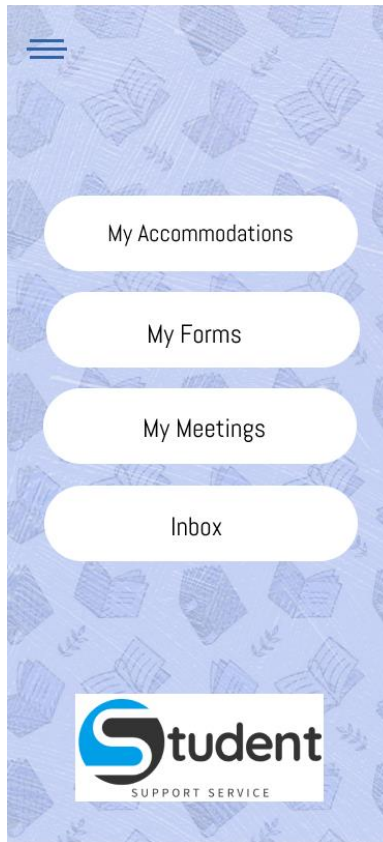
Image 12. Roles   Image 13. Homepage as student   Image 14. Personal information
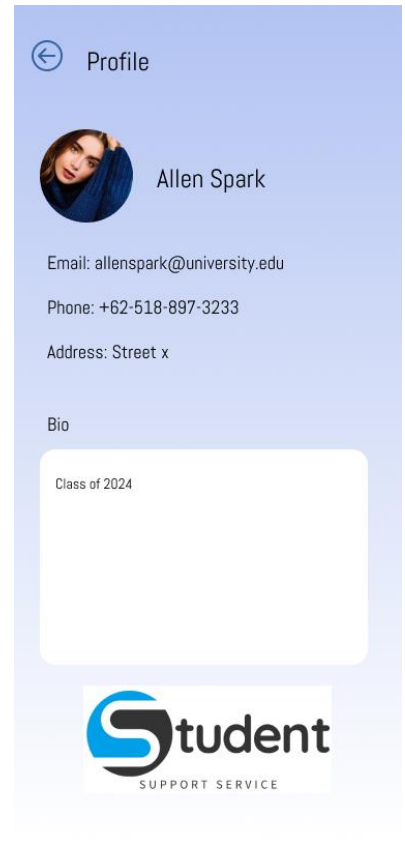
This page displays the accommodation needs of the student. On this page, students can make new accommodation requests. The student's accommodation view can be seen in image 15.
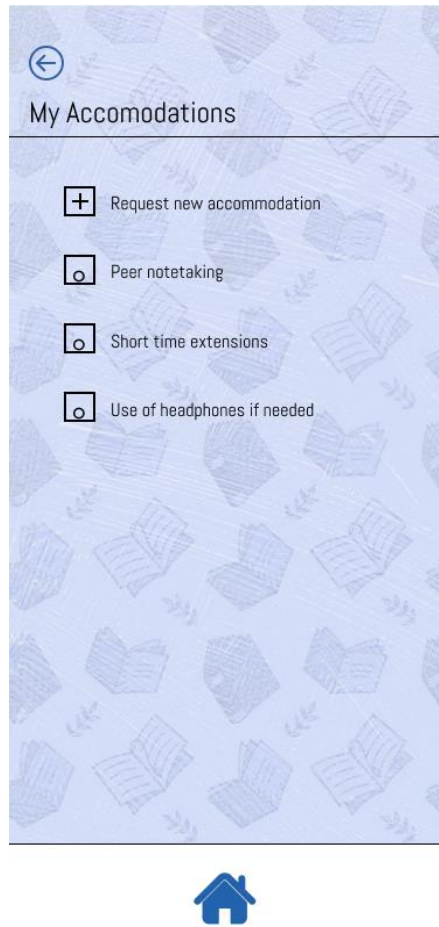
Image 15. Students accommodations

This page is the display of the available forms. This page can be accessed by the student by returning to the homepage and clicking on the "My Forms" button. In image 16, it shows the list of available forms. When clicking on one of the forms from the list, it will display the specific form layouts. As an example, you can see the formats of the forms in images 17 and 18.

Image 16. List of forms   Image 17. Student form   Image 18. Ferpa form

This page displays the meetings schedule owned by the student. Additionally, students can also request to schedule new meetings by clicking the "add" button. The list of scheduled meetings can be seen in image 19. When clicking on one of the scheduled meetings, it will navigate to the details of that meeting. The detailed view of the meeting can be seen in image 20. Meanwhile the detailed view of previous meeting can be seen in image 21.
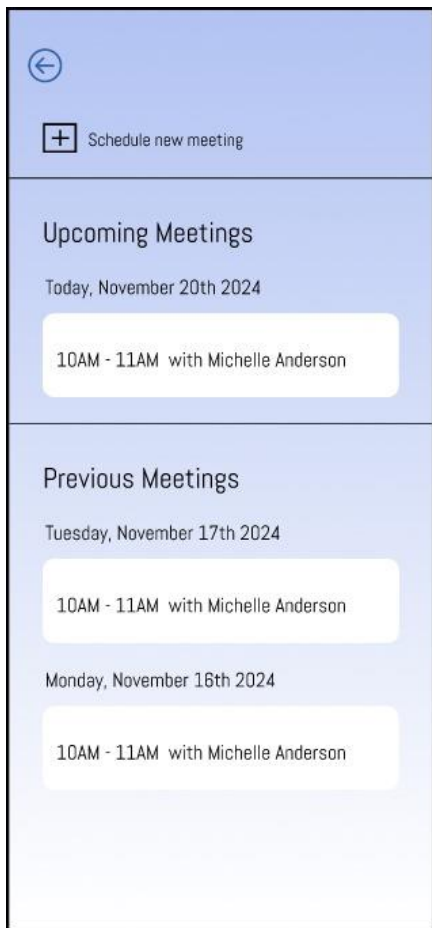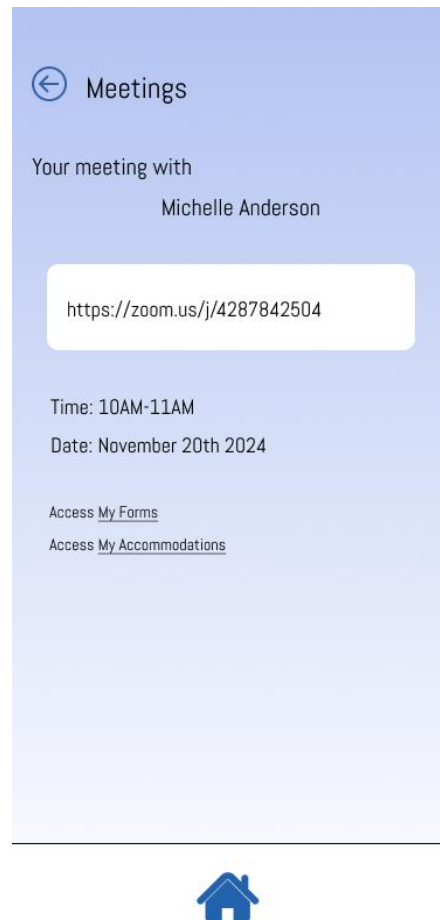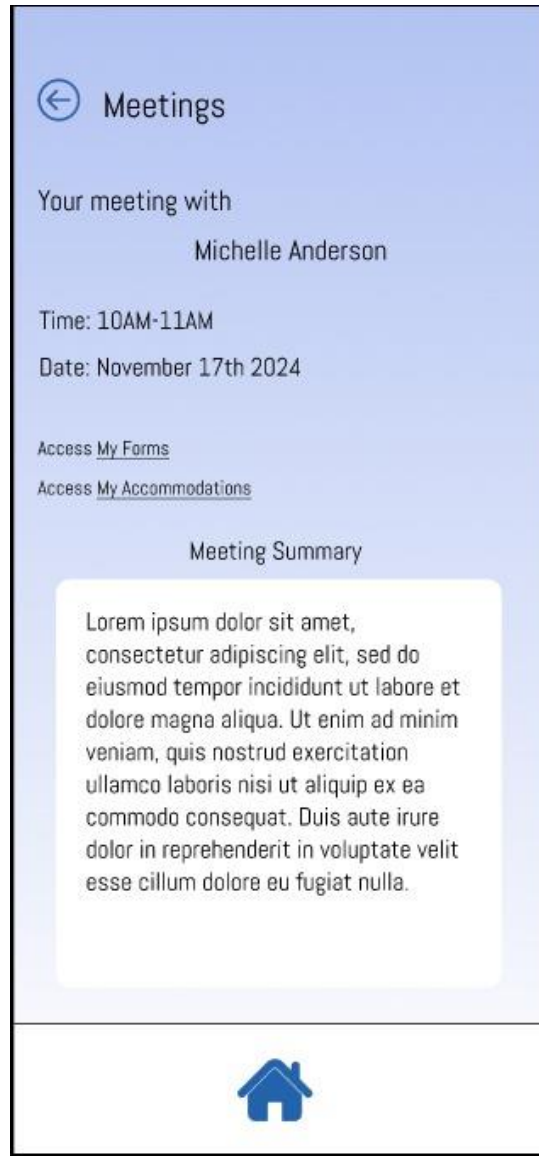

Image 19. My meeting

Image 20. Detail of meeting

Image 21. Previous meeting summary

This page is the inbox. The inbox serves as a container for interacting with peers, admins and lecturers. The inbox view can be seen in image 21. When clicking on a message in the inbox, the details of the conversation that has been conducted will appear, as shown in image 22.
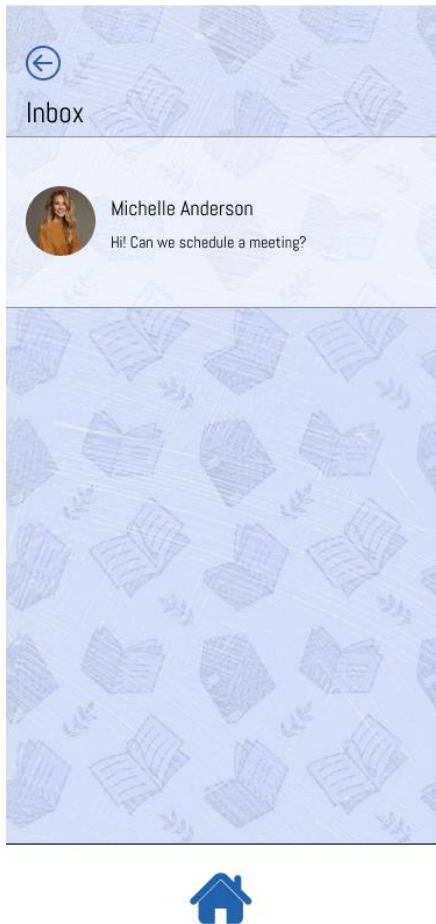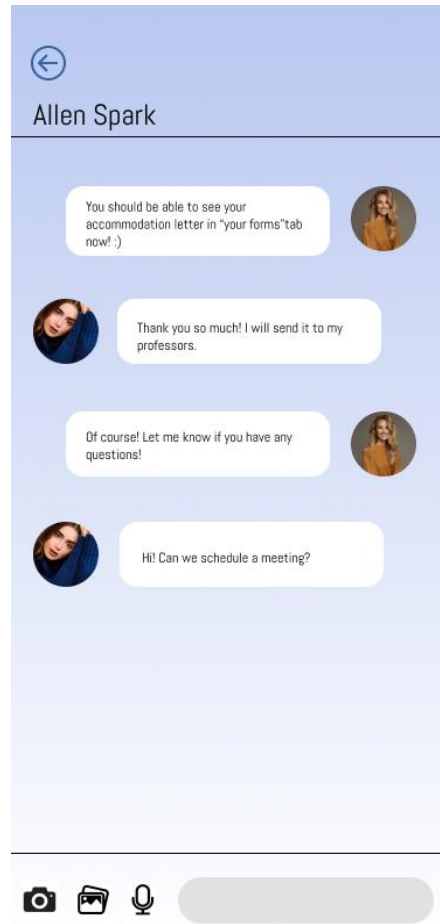
Image 22. Inbox of student

Image 23. Detail of inbox