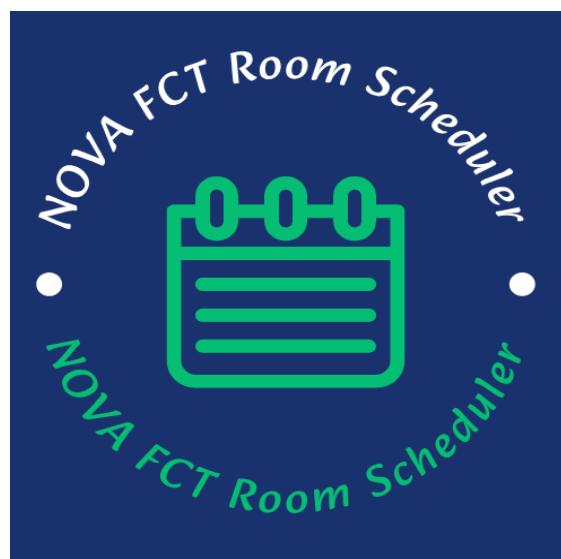


Interação Pessoa-Máquina

2024/2025

NOVA FCT Room Scheduler

Stage 3 : 1st Prototype



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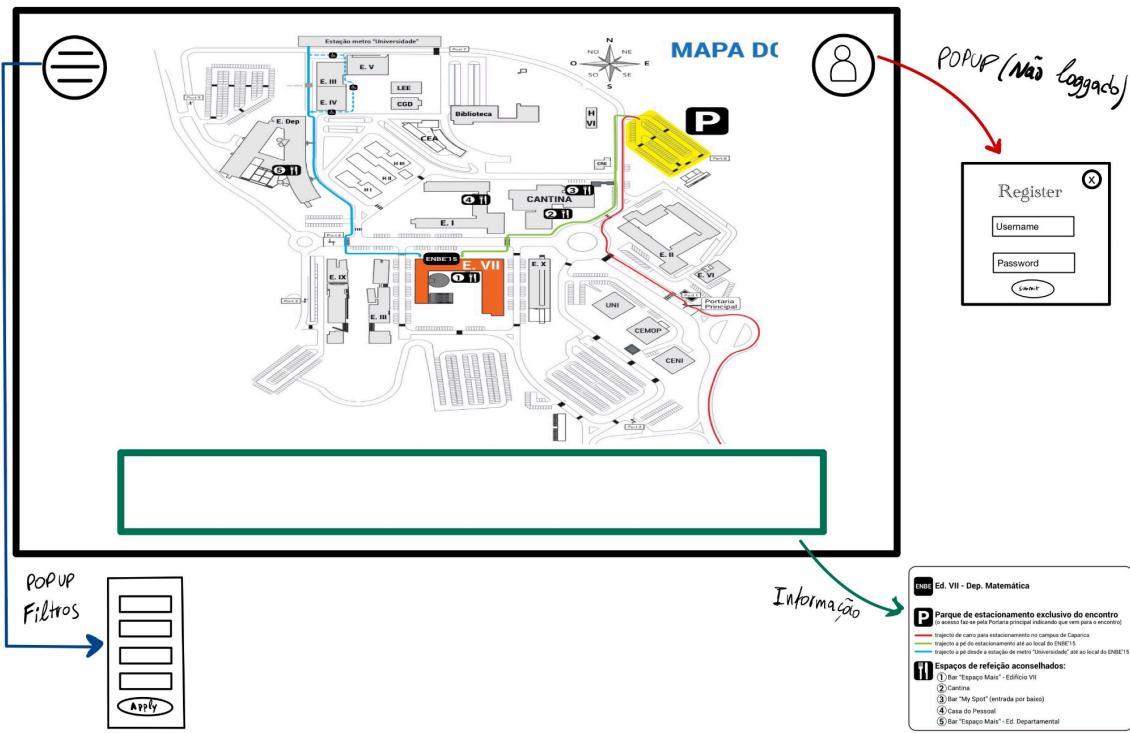
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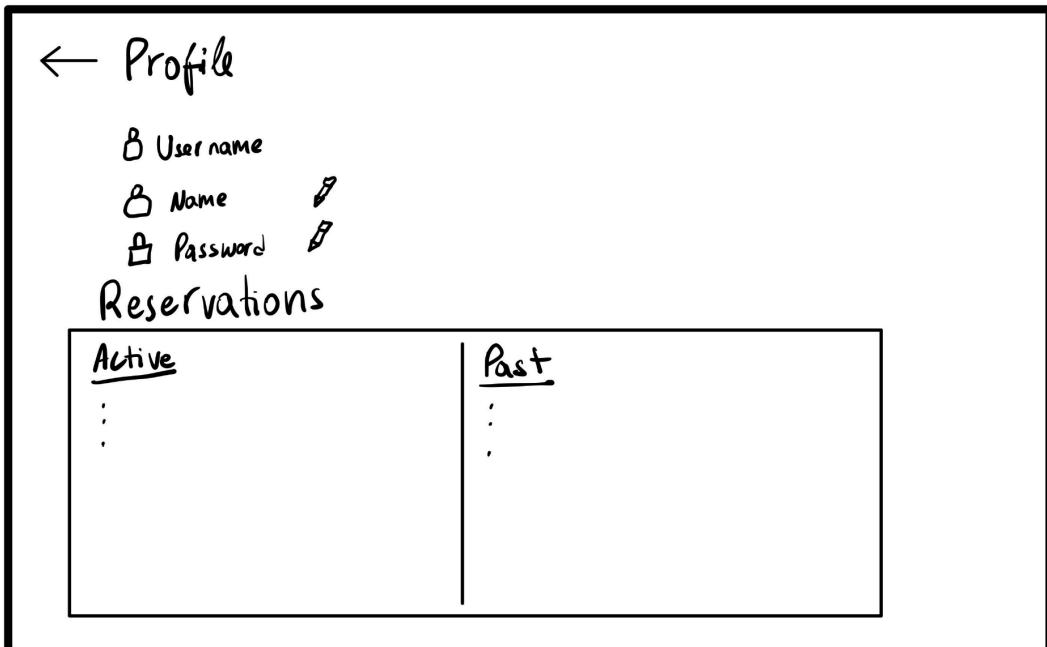
October 30, 2024

Sketches

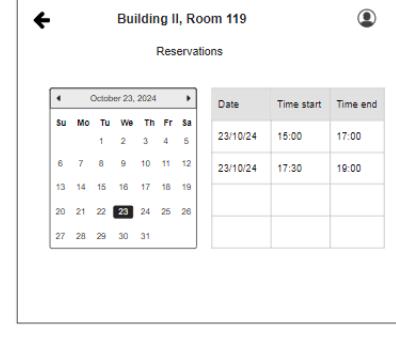
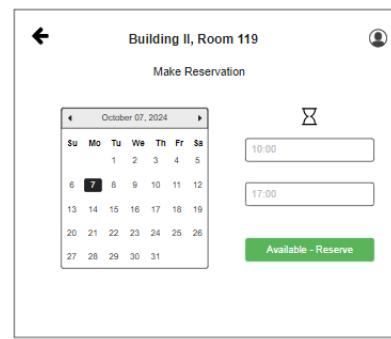
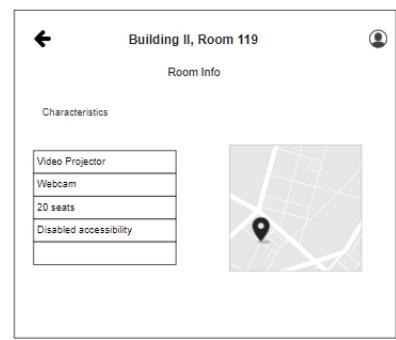
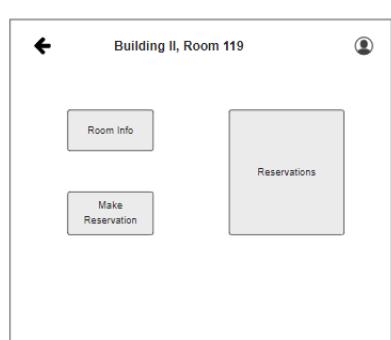
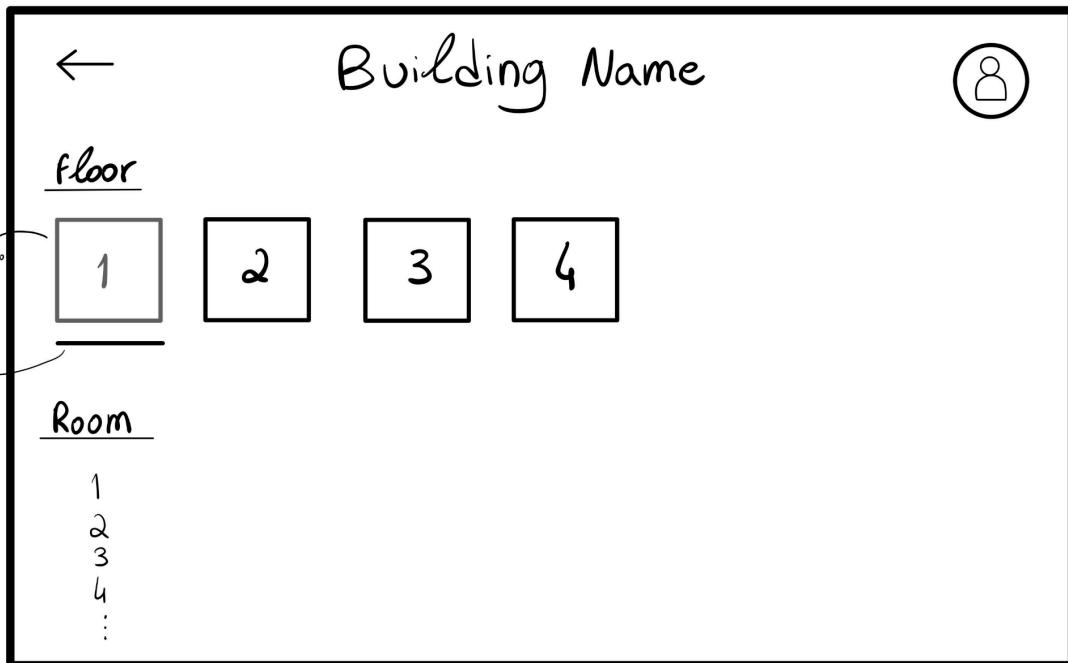
Página Inicial



Página User

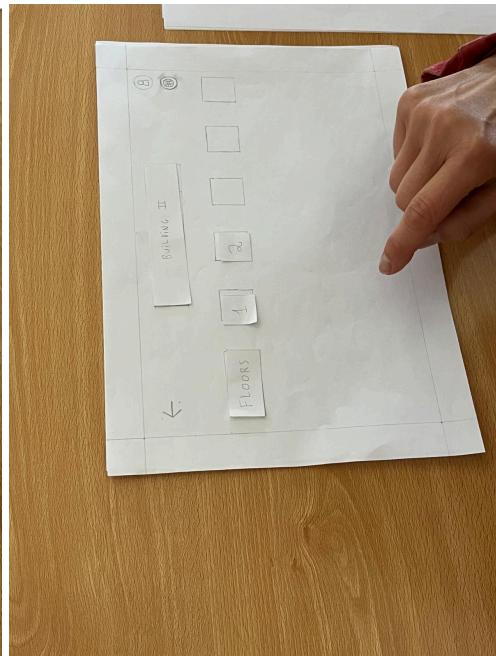
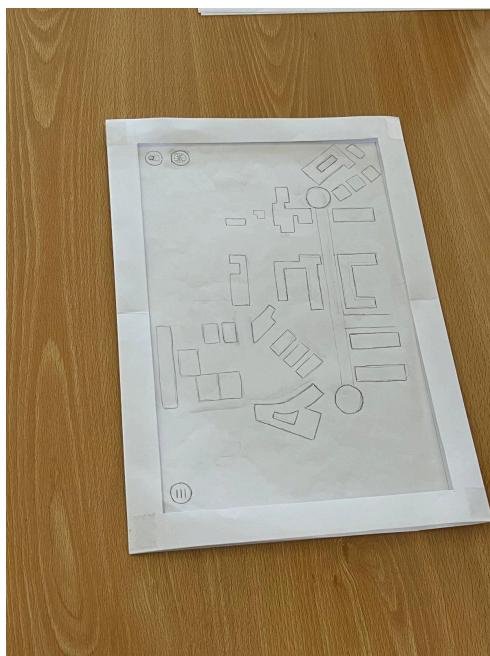


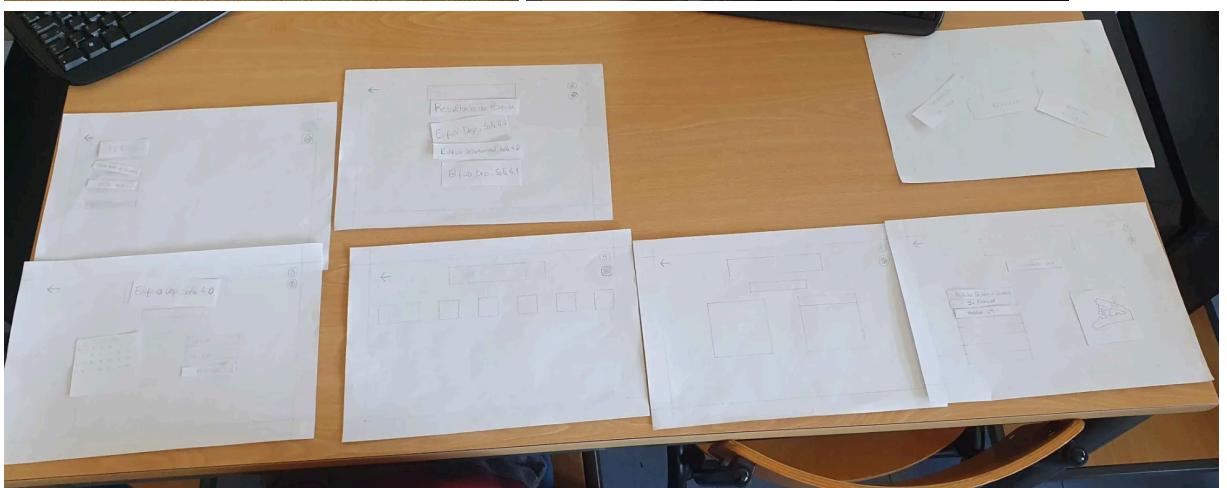
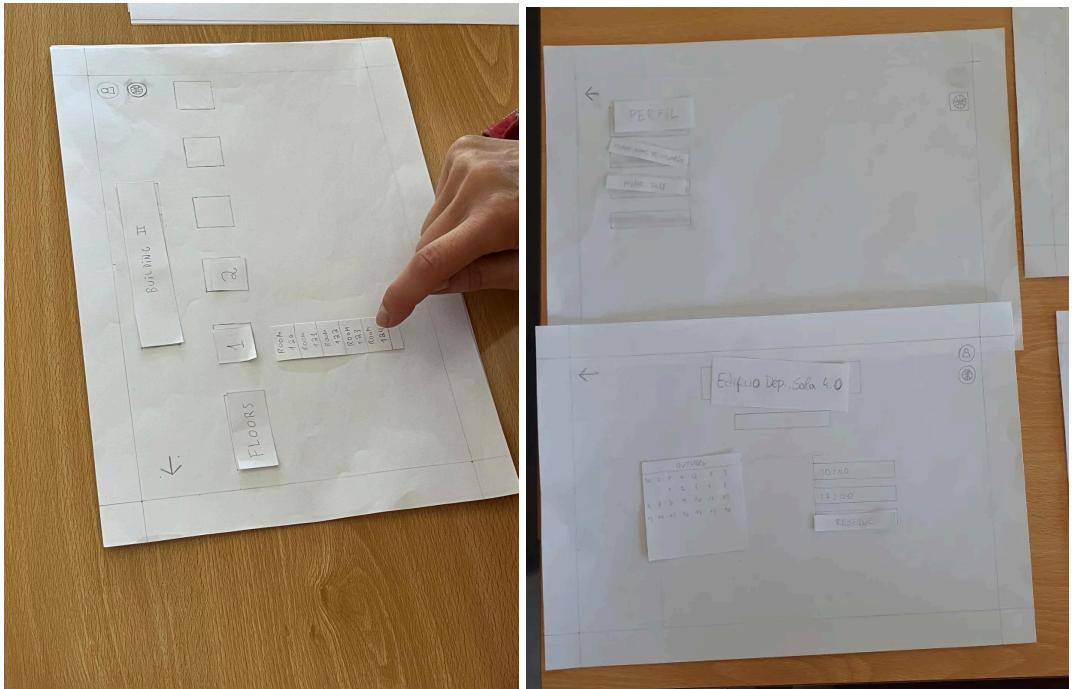
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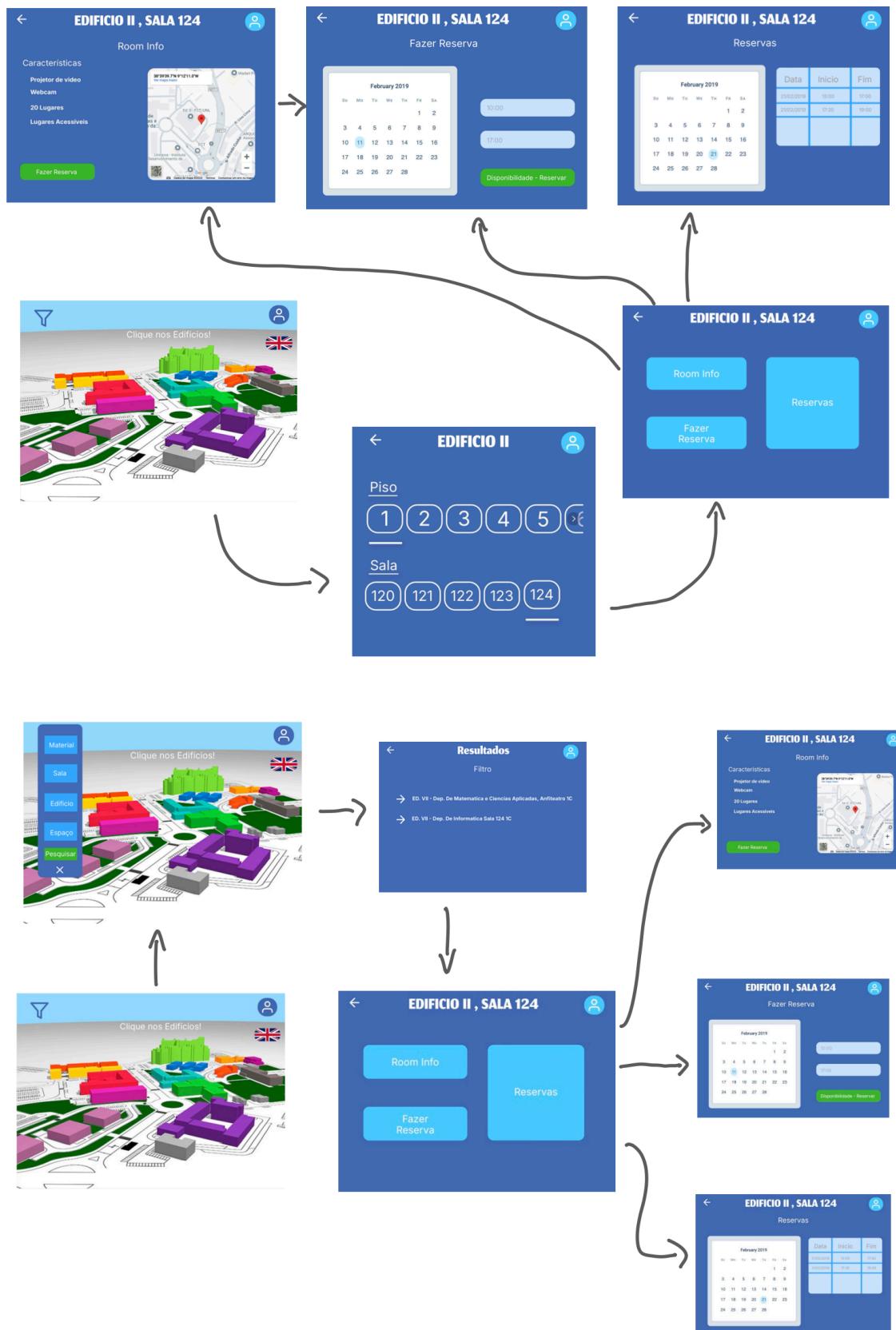
Prototype Photos

Below are photos of our paper prototype. The final photo displays several pages representing our future app's layout. The first page (top left) serves as the initial screen and it has an interactive map. The second page (top right) shows a building overview where users can view different rooms and a floor plan. The next page (middle left) provides a list of rooms on the first floor, while the following page (middle right) is the room screen, which allows users to proceed with the reservation process.





Storyboards



Briefing

The problem our application aims to address is the complexity and inconvenience associated with reserving or locating rooms on a large university campus, such as NOVA FCT.

Managing room reservations at NOVA FCT is currently challenging. While the CLIP platform accepts bookings, it is inefficient and unfriendly, making it difficult to quickly locate the appropriate room with the necessary equipment. Whether a student needs a specific lab for a project or a professor requires a room with, for example, audiovisual equipment for a presentation, the current system fails to accommodate these needs effectively.

Our platform simplifies this process, allowing users to easily book rooms equipped with the resources they need, based on their specific requirements.

Scenarios

Scenario 1: A New Student Finding a Classroom

John, an Erasmus first-year student, arrives at the university for his first class in room 124 in building II but he realizes that the start of his next class is getting near and he is unfamiliar with the campus and the Portuguese language. John accesses the app so that he can find the location of his classroom, helping him avoid being late to his class.

Scenario 2: BioChem Students Reserving a Laboratory

Emília, a Biochemistry student, is working on an important final project regarding enzymology with her classmates after class, at 4:00 PM, where they will need to test different pH levels. This requires flasks, a pH meter and access to various chemicals. They need to use a laboratory that has this type of equipment. Knowing that multiple student groups might want the same lab, Emily opens the NOVA FCT Room Scheduler.

Scenario 3: A Professor Reserving a Room for a Presentation

Dr. Smith, a professor in the Computer Science department, is preparing to host the final project presentations for his class data structures at 6:00 PM. He needs a larger room with a projector, internet access, and a webcam to stream the event online for external participants.

Observations

The first user to test our prototype found the tool intuitive overall but suggested improvements, such as providing shorter shifts when reserving a room - a recurring challenge with CLIP - and adding more information to user profiles. This user also mentioned that a demonstration of the login process would have been helpful. The second user initially struggled with the “hamburger” menu (menu to access the filters), finding it unintuitive at first, but appreciated the overall concept. This user’s main frustration was the need to navigate back to make a reservation after viewing bookings and suggested changing the filter icon for clarity. The third user suggested to make it clearer that the dropdown menu serves as a filter, as this was the only feature he found somewhat unintuitive. The fourth user who tested our prototype suggested that we should simplify the way to find a classroom by adding the date and time in the filters, and photographs of the classrooms to provide the final user a more concrete idea of how it is - if it has windows, blackouts, the desk arrangement and other features - and to see the schedule of the buildings. Finally, a fifth user asked us if it would be possible to add a feature to invite other people to the reservation.

In summary, when asked to rate the application out of 5, all users awarded it the maximum score, explaining they felt the application might solve a problem they had in the past.

Based on lessons learned from this feedback, we certainly plan to change the filter icon to a more intuitive design, update the room selection page to allow users to make reservations directly after viewing other users’ bookings and to change the filters we initially provided.