



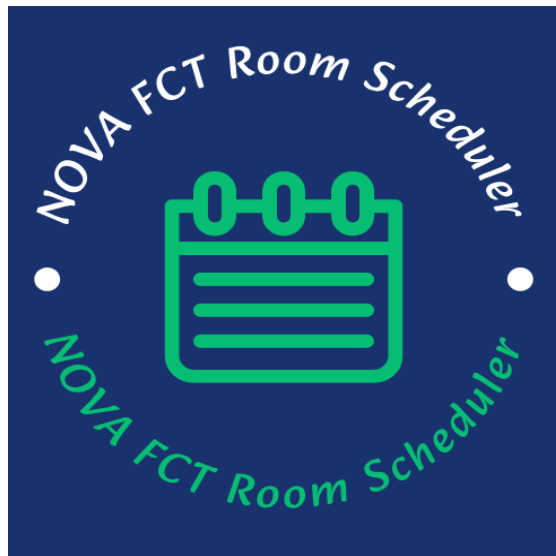
NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

2024/2025

NOVA FCT Room Scheduler

Stage 1: Project Proposal



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September 28, 2024

Problem Description

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.

Imagine being a new student who has just arrived on campus and is already late for class. Unfamiliar with the layout of the university, you need a quick and easy way to find the fastest route to your classroom.

Now, consider a BioChem student working on a practical project with colleagues. They need access to a laboratory equipped with specific materials. However, other groups might also need the same laboratory at the same time, leading to potential conflicts. The challenge here is to find a laboratory with the necessary resources and ensure it is available when needed.

Lastly, think about a professor who needs to host a final project presentation for a large audience and stream it online. This requires a room with a projector, a webcam, and more space than a typical classroom.

Target users

The application is solely focused on students and professors of the NOVA FCT university, as described in the scenarios given in the Problem Description.

Project Goal

The main goal of this project is to provide users with a straightforward and quick way to be able to reserve and locate rooms that they need. Our application will provide the necessary information about the rooms and search filters that allow the user to more easily find a room with the specifications that it needs.

Competition

- Clip: specific to FCT but it is not user friendly and we cannot see the resources available in the rooms unless we check it physically. In addition, there are not many rooms to reserve. We solve these problems by allowing the users to book rooms in all the buildings and checking the resources when checking the availability.
- Google Calendars: although it is not specifically targeted for universities, it allows to book rooms or events. However, it misses the resources available in the rooms.