



NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina
2023/2024

Nova Booking

Stage n: 4



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Urls & Instructions

Method 1 (recommended method) - To open the project simply access this [link](#) to open our prototype in a web browser.

Method 2 - Alternatively, to run/open the project locally you can start by:

- 1) Clone the repository (in the link below) and install [Node.js](#).
- 2) Run "*npm install*" command on the project's root
- 3) After the installation is complete run "*npm start*" and your browser of choice should open up with the project.
 - a) If the web browser page is blank or shows an error message, make sure the url contains "http" instead of "https".(Google Chrome usually defaults automatically to "https" even if you change it manually, a work around could be using FireFox)

Our prototype's git repository can be found [here](#).

Briefing

“Como estudantes da FCT, todos estamos habituados às dificuldades de usar o CLIP. O CLIP é responsável por grande parte das funcionalidades que a faculdade oferece, sendo uma destas as reservas tanto de salas individuais como salas de grupo na biblioteca. A nossa aplicação Nova Booking procura facilitar a reserva de espaços na biblioteca, assim como outras funcionalidades novas de momento impossíveis de realizar, como a requisição de livros online, a reserva de salas nos vários edifícios do campus, e a requisição de material dos vários departamentos.”

Scenários

- 1 - "És um aluno da FCT NOVA e um colega teu falou-te dos livros de Harry Potter e o quão melhores são que os filmes. Dito isto, ganhaste interesse pelos livros e queres usar a nova aplicação Nova Booking para requisitar o primeiro livro da franquia na biblioteca: Harry Potter e a Pedra Filosofal para dia 19 de dezembro."
- 2 - "És um aluno de Materiais e estás a fazer um trabalho com os teus colegas. Para isto precisas de requisitar um laboratório no ed. 2 (lab. 107). Para este efeito vais usar a nova aplicação Nova Booking para reservar esta sala para dia 20 de dezembro."
- 3 - "És um aluno de Química e estás a fazer um trabalho com os teus colegas. Precisas de um Erlenmeyer de 150 ml do ed. 2 e para requisitar um vais usar a nova app Nova Bookings, sendo que o vais fazer para dia 11 de dezembro."

Project Info

Project Stages

The reports of the project stages can be seen in our group's [project website](#).

Project description

The application was built using [React](#) and its goal is to solve some problems students and professors face at FCT Nova. Where some tasks are currently impossible to accomplish with the current tools, and others are possible, but the tools used are very incomplete and not well designed, like book rooms, materials and books.

For example, if the user is looking to book an individual office at the library, CLIP is the only option available. However, it's not very user-friendly and has an unintuitive graphical interface. To book a room, users have to navigate through numerous menus, which can be confusing and overwhelming. Additionally, if the user doesn't know what office number is associated with an office, it can be difficult to locate the physical office.

In case the user wants to borrow a book from the library, they have no online option. The process must be all done in person. However, our application makes it easier for the user to view all the available stock from anywhere. Despite this, the user will still need to physically go to the campus to obtain the book that would be available at the library reception.

If a user wishes to book a classroom or lab (outside of the library), there is currently no available option. However, our application can assist students and professors in booking the many classrooms and labs on campus, providing information on the location and allotted time for each booked space.

In case a user wants to borrow materials, there is currently no available option, which can be problematic for students who want to expand their learning outside of class but lack the necessary equipment. Our application solves this issue by providing a booking option for select materials within each building.

Unimplemented Features

1. The login process assumes the user can use its CLIP credentials, so no previous registration needed (like *Moodle*).
2. The maps aren't interactive as it was intended - it's a reactive image that is using the right sidebar buttons only.
3. The only buildings available are the ones used in our Scenarios, that is the Library and Building 2. The remaining buildings would have a similar webpage if not the same as Building 2. The Library is missing the Ágora room, Auditorium, Preguiçodromo and Multipurpose room, it only has the individual and group work rooms as the rest of them would have the same interface.
4. The Building 2 blueprint was not re-done and made more simple like the library one.
5. The search bar to filter out the available stock for materials and books is missing.
6. The borrowing date range picker for materials and books should look like this:

SELECT DATE RANGE

Apr 17 – Apr 21

April 2022							<	>
S	M	T	W	T	F	S		
					1	2		
3	4	5	6	7	8	9		
10	11	12	13	14	15	16		
17	18	19	20	21	22	23		
24	25	26	27	28	29	30		

CANCEL OK

But the UI tool was behind a paywall so we had to use the simplified version with only one day choice. Also we would like to use a time range picker for the rooms, like the image below, but it was under development by the [MUI](#) team and probably would be behind a paywall too.

Choose a time range:

				7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23