



NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

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Pool Tool

Stage n: 4



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Project's URLs

You may find the project history here: <https://antniob.github.io/ipmG17/>

Here you can find the link to the apk and this report:

https://drive.google.com/drive/folders/1cVdOaZMsreas75Qf9jeY_8If4kEPfSB3?usp=sharing

Start up instructions

Hi, you are about to navigate in our application, Pool Tool, to set up the app, download the apk to your phone, any phone should work, unless it is an Iphone, then we are sorry, there is nothing we can do.

After downloading, please proceed to try out our scenarios.

Briefing

The idea of our application came from the fact that the local pools don't have an easy way for customers to interact with the pool's services without actually going to the facility. We want to simulate being at the front desk of a pool complex all from an application on your phone.

To do so we have features like:

- check the pool's occupancy (a chart that gives an understanding of how many people are at the pool at certain hour);
- a list of activities that may interest the user;
- reserve a pool lane to enjoy a private swimming session;
- join a special class by checking its availability and time table.

Entering the pool requires the user to have money in their card which can be charged through the app.

Finally, we had the idea that a user could manage the account of another user like a child or elderly person that may not be able to use the application on their own.

Scenarios

1. Micaela wants to go to the swimming pool tomorrow, but she doesn't know how much money she has in her account. She proceeds to check her balance and sees she has no money. Then she charges 20 euros through MBWay. Warning: this is not connected to the MBWay app, it is a simulation.
2. The pool has been really crowded lately and Mr. Agostino would rather have a space to swim by himself. He checks the occupancy chart and decides to book a free lane for today at 9:00am.
3. Mr. Americo wants to enroll his 11 year old daughter Rita in a swimming class. For that he needs to have Rita associated with his account which he already has. He would prefer she attended the 7:30pm class during the week (Tuesday, Wednesday, Thursday, Friday).

Development

The app was developed using Android Studio, therefore does not work on an Iphone.

All the scenarios are executable by the application. However, register and login are not implemented since it has no value for the end goal. Also, there is no visual confirmation of scenario 2 and 3, there is no memory, so you can try the three scenarios with no overlapping information.

If you try some other functionalities, you might find bugs. Also, the payment options are fictitious.

The main page is not done as we didn't feel the need to draw it yet because it has no implication towards the scenarios.