



**The new management tool**

# Hubbl, a gym bookings manager

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# **1. Introduction, motivation, purpose and project goals**

## **1.1 Introduction**

On November 2019 the first cases of a new virus were coming into light. With similar symptoms as a regular flu, nobody would have imagined that the humanity would be at the edge of collapsing. The weeks went by and within few months, most countries of the world were completely shut down. It was not until the summer that people was able to go outside, again. Restaurants, hotels and any business that relied on the clients for their survival, had to face many restrictions imposed by the governors. One of such business where the gyms. The owners had to limit the total capacity of their installations and classes. Most companies had to find a new system which helped them handle appointments, since nearly any of them had an appointment system integrated in their respective applications.

## **1.2 Motivation**

As a front-end engenieer and considering myself someone who really enjoys designing and later developing user interfaces, I realised that I had a great oportunity in front of me in order to test myself. At my current job in Additio, a company which develops applications for the teachers, I have had the opportunity to start learning more about UI/UX. Nevertheless, I had to attach to creatain rules, in order to respect the design system of the application. Now, however, I had the opportunity of being responsible for each part of the process of developing an application: from designing the database and impementing the API, to designing the UI and implementing such design. Without constraints, I would have try and explore as many technologies and systems as I felt like.

Furthermore, as a regular user of my gym's booking application, I had few issues with it. Even though I have only experienced one side of the application, as a client, I believe that some parts could be improved, as in anything. One of such parts are both the user interface and the user experience of it.

## **1.3 Project goals**

The goal of this final degree project is to develop a full stack application, which includes:

- Designing the database.
- Implementing an API in order to interact with the database.
- Briefly designing the user interface.
- Implement the required front end applications, web based, in order to access the system.

Fundamentally, the hubbl application will allow the creation of gym zones, which are explained in the next sections, which will allow the clients to create the needed appointments.

As a future implementation yet not being a priority, the system will also have:

- An analytics page which would provide information about the statistics of the gym.
- A subscription system for the clients.