

Sistema de apoio à criação da Distribuição do Serviço Docente - Elaboration phase

Projeto em Informática

Pedro Monteiro 97484 José Trigo 98597 André Gomes 97541 Eduardo Fernandes 98512

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# **CONTEXT AND SOA**

- The DSD is a very complex task
- The information required in the process is spread apart and hard to access
- Sometimes there is a need to cooperate with DSDers of other departments (who are they? How can I contact them?)
- We aim to make the whole process faster, simpler, easier...









- List information about UCs and Professors
- Allocate teachers to UCs
- Give allocation recommendations
- View professor's hours history
- View professor's wishlist history
- Export DSD in CSV/JSON/Excel format
- Customizable acronyms
- Predict number of students for a given UC
- Display useful contacts for the DSD process

# NON-FUNCTIONAL REQUIREMENTS

Requirement	Description
Maintainability	Rapidity with which a system can be restored after a failure
Availability	Prevent system downtimes
Performance	No need to wait long for data to load
Usability	Interface designed according to the problem
Data integrity	Maintaining and assuring data accuracy and consistency over its entire lifecycle
Interoperability	The system is a module of a bigger system

# **ACTORS**

#### **Teachers**

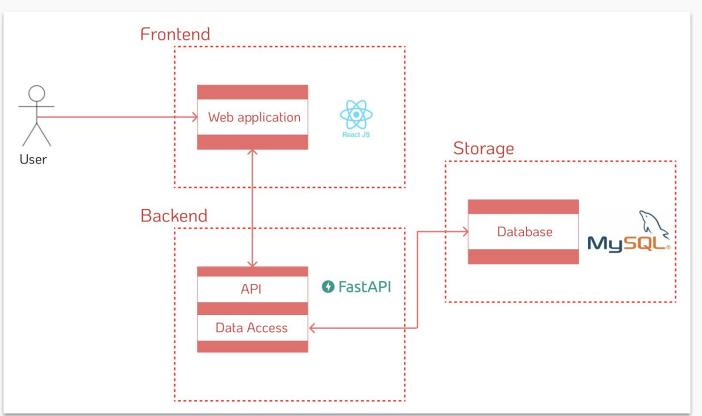
Create a wishlist, through a form, that will later be used to carry out the DSD

# Person responsible to create DSD

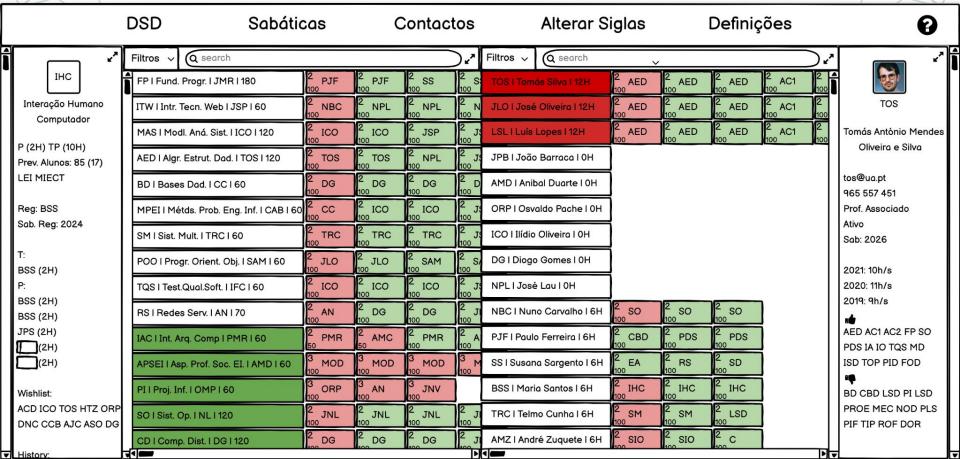
Person who creates the DSD, which allocates professors to CUs, following wishlists and hours histories

### **USE CASES** Teacher Edit teacher's Check teacher's wishlist Makes his/her wishlist acronym See teacher's hours Assign teacher's to Change system Edit teacher's wishlist Export DSD history components preferences DSDer DSD System

# **SYSTEM ARCHITECTURE**



# **MOCK-UP**



# **DOMAIN MODEL**

