Dossier Pedagógico único na UA

Grupo 6

Requirements gathering

- Collective brainstorming in order to understand how the functionalities will be connected, taking into consideration the requirements made by the coordinators.
- Weekly meetings and discussions with José Vieira.
- Consulting PACO2.0 documentation, meetings with Eng. Nélson Monteiro (coordinator of the PACO2.0 development team at STIC).
- Looking into some syllabus made by other universities and exploring A3ES and other institutions' requirements.

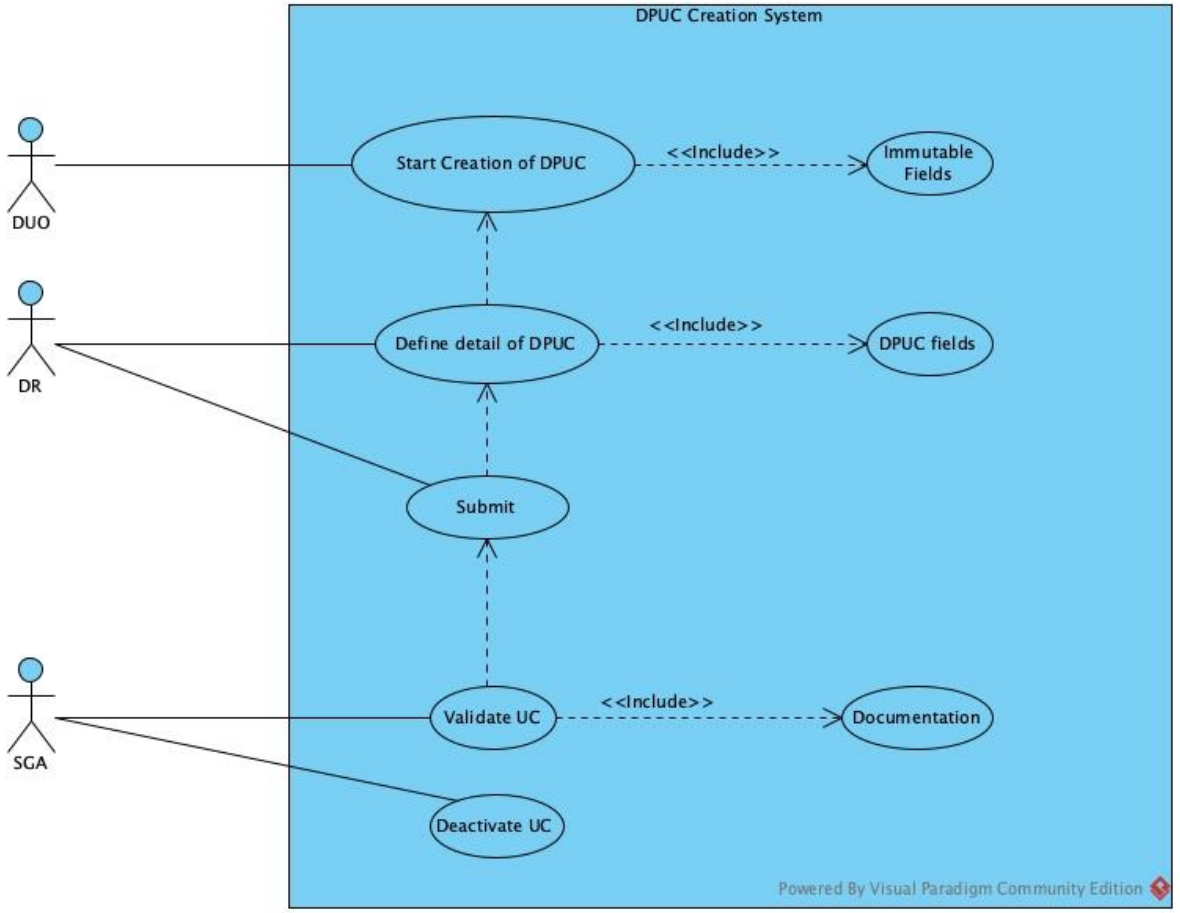
State-of-Art

- The main expectations of the system are to easily store, edit and keep updated the data regarding the Pedagogic Dossier of a Curricular Unit.
- PACO2.0 infrastructure, templates and design guidelines provided by STIC.
- Adding this, we have at our disposal:
  - ReactJS (JavaScript library for building UIs based on components).
  - SpringBoot (application framework).
  - MySQL (relational database management system).

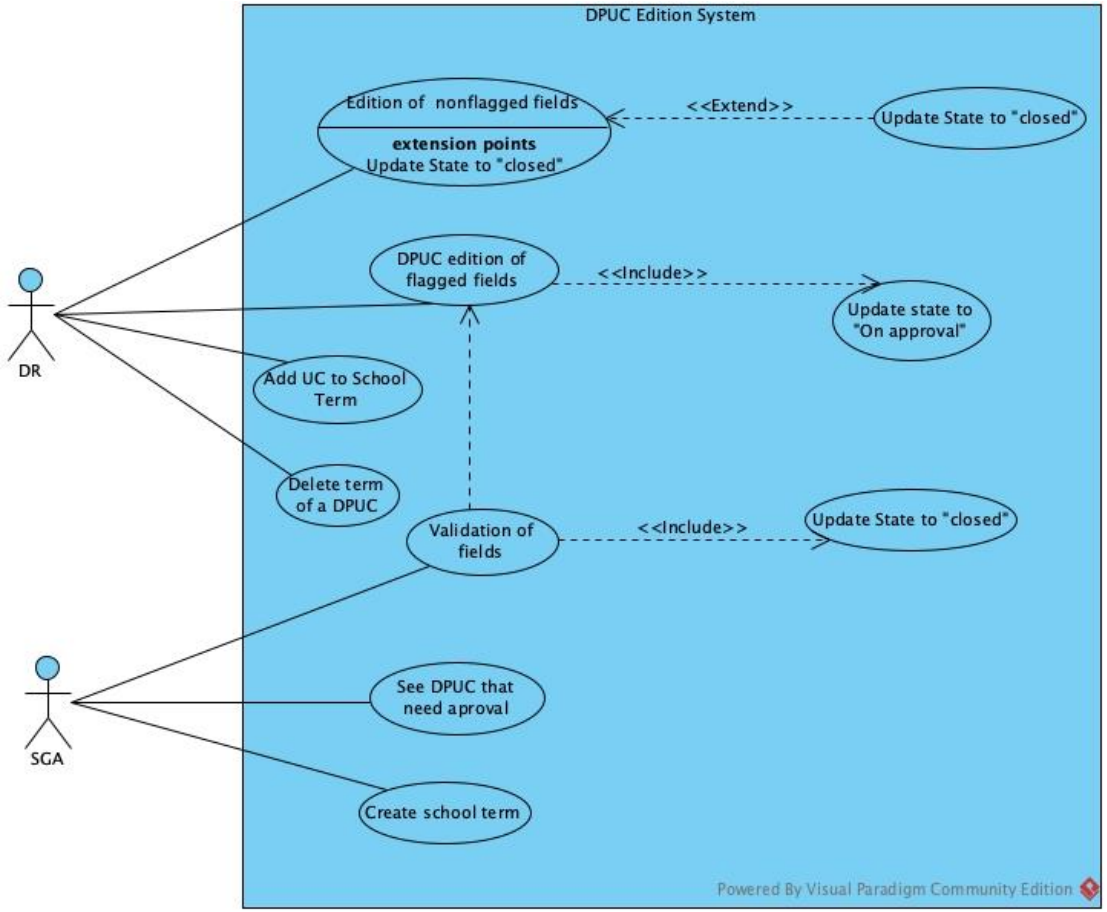
Actors

Actor	Role in the system
Diretor de Unidade Orgânica (DUO)	Responsible for beginning the process of creating a new UC. Should be only requested the name of the UC, the Professor Responsible (DR) for the filling of the DPUC and its associated degrees.
Docente Responsável (DR)	Responsible for filling every information about the UC.
Diretor de Curso (DC)	If the creation of a certain UC belongs to the degree of the DC then he should validate the information filled by the DR.
Serviços de Gestão Académica	Validates the passage of information for SIGACAD and the UA portal.

Use case – Creation of DPUC



Use case – Edition of DPUC



Functional Requirements

Reference	Description
RF1*	Creating a new UC (DUO)
RF2	Launch new version of a DPUC (DR)
RF3*	Editing a current DPUC (DR)
RF4	Approve and disable/archive DPUC (SGA)
RF5	Edit all DPUC fields (SGA)
RF6*	Automatization of DPUC state change
RF7	Change DPUC state (SGA)

Functional Requirements

Reference	Description
RF8	Edit DPUC school year (DR)
RF9	Add/Copy a DPUC to a different school term (DR)
RF10	Filter a specific version of a DPUC (DR)
RF11	Remove a DPUC from a school term (DR)
RF12	See list of modified DPUCs that need approval (DC/SGA)
RF13	Approve changes made to a specific DPUC (DC/SGA)
RF14	Automatize the generation of DPUC pdfs
RF15*	See tips to help edit a DPUC (DR)

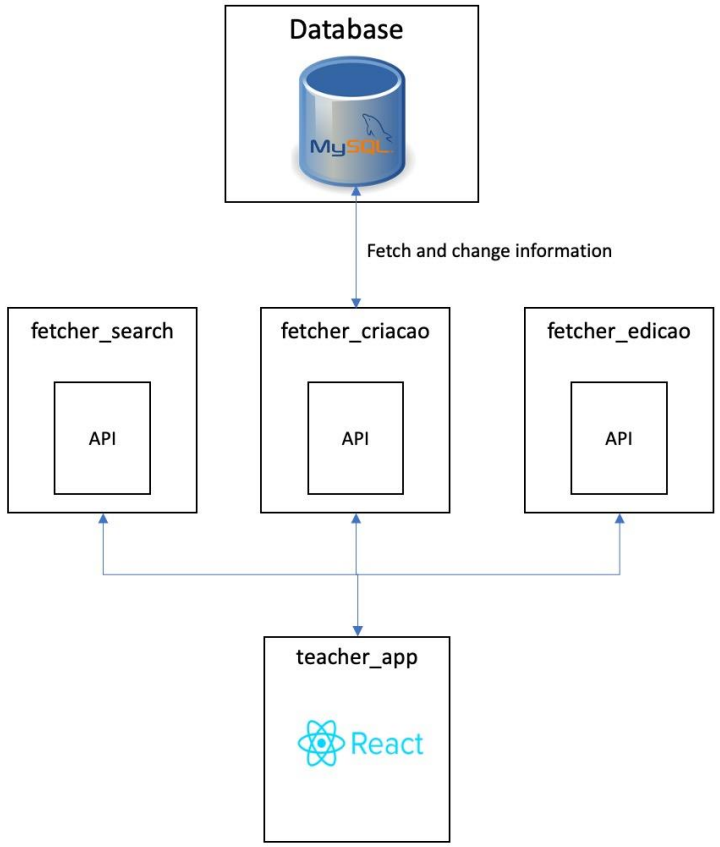
Non-functional Requirements

Reference	Description
RNF1	Security – only the authenticated user will have access to the data and/or to edit it
RNF2*	Performance – the response time to changes or clicks should be the quickest possible
RNF3	Availability – the system should be available at any time

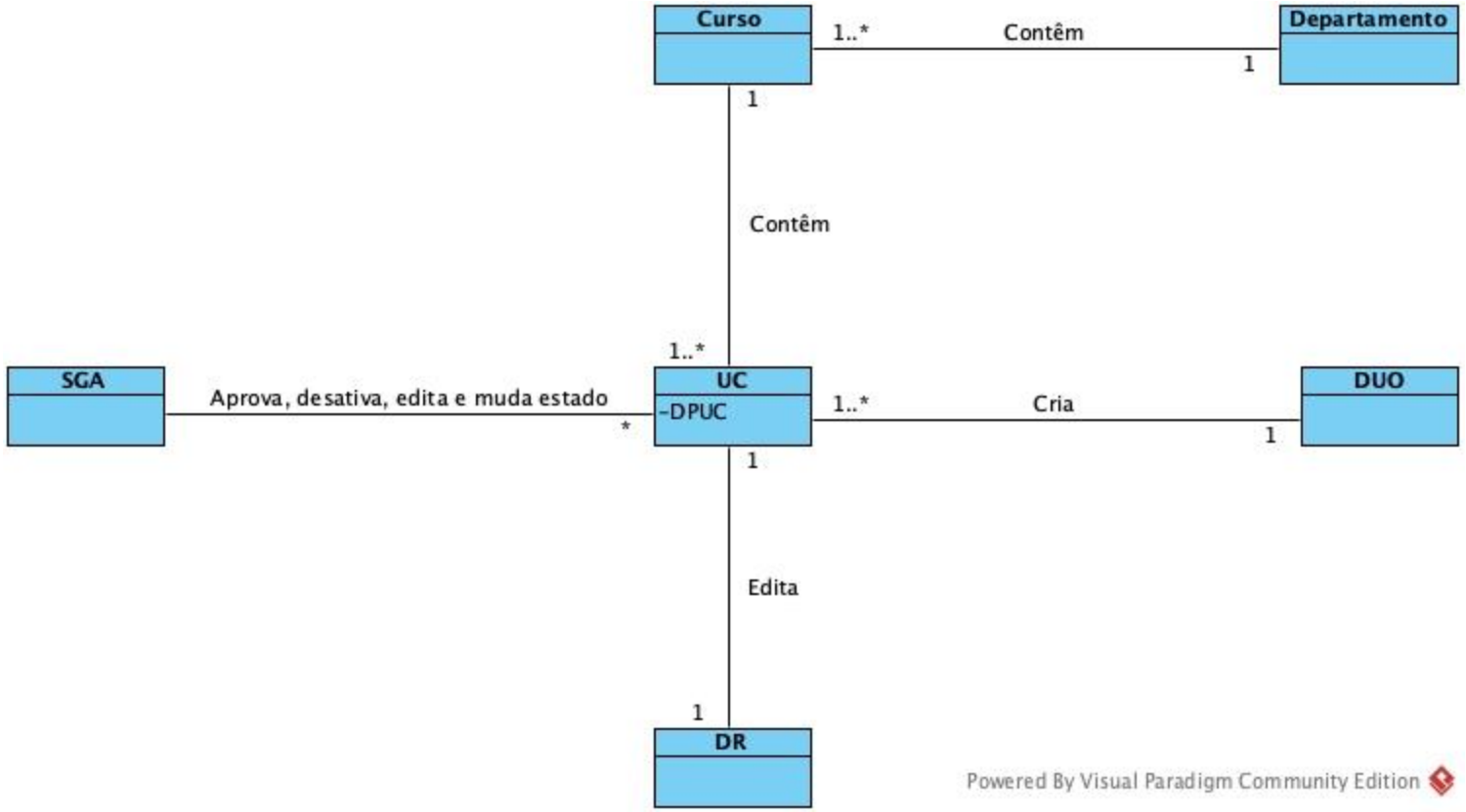
Non-functional Requirements

Reference	Description
RNF4*	Usability – should be easy to learn and efficient for carrying out user tasks
RNF5	Data integrity – needs to ensure the integrity, consistency and correctness of the data in the application
RNF6	Accessibility – high contrast layout in the front-end platform

Technology diagram



Domain class model



Design mock-ups

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- Proto.io mock-up