



deti

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APOIO AO SERVIÇO DOCENTE

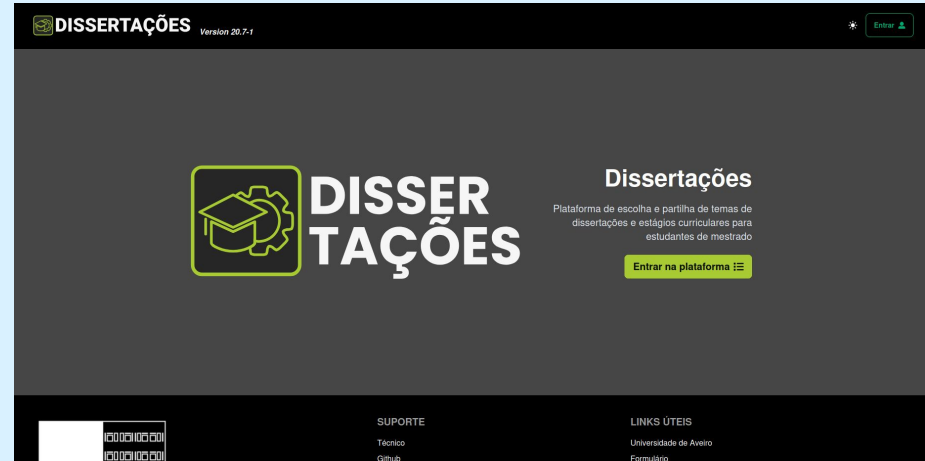


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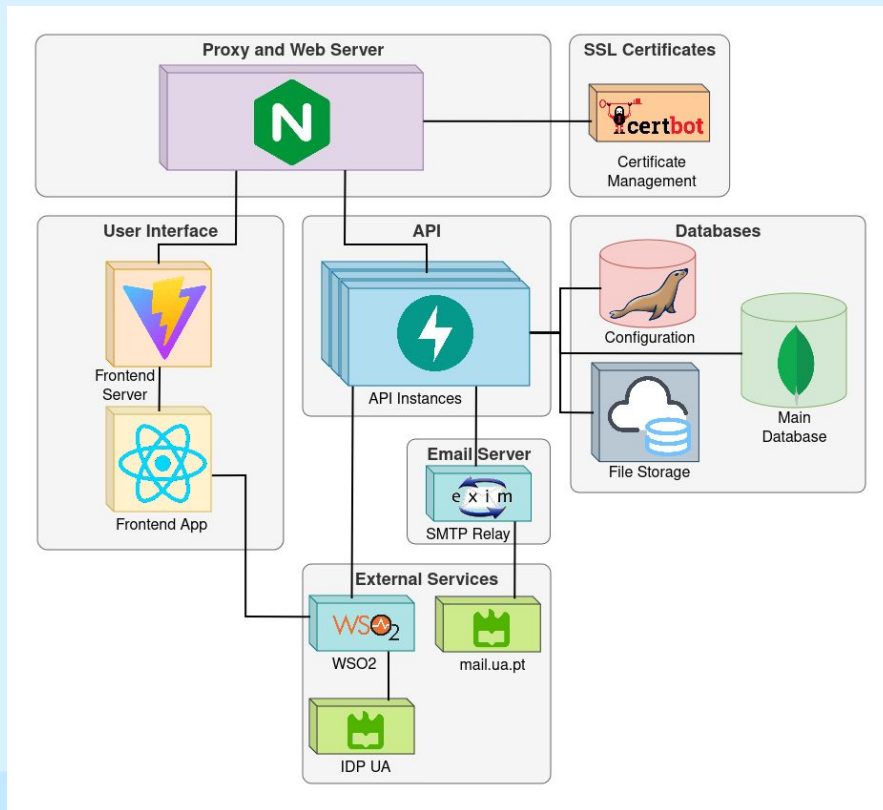
PROJECT CONTEXT

Our project is based on the continued development of an application that can be used by the university's MSc students to select the topics for their dissertations, projects and internships. It will also be used by supervising professors, who will be able to view the dissertations internships and projects they oversee and assign them to students.

Current platform available at:
dissertacoes.av.it.pt



SYSTEM ARCHITECTURE



Old Project

(Features)

- **Teacher:**
 - Add dissertation proposals;
 - Sign agreements with students.
- **Student:**
 - Search for dissertations;
 - Choose dissertation;
 - Have a dissertation assigned.
- **Director:**
 - Accept the course in a dissertation;
 - Cancel the teacher's agreement with the student.
- **Admin:**
 - I could add areas and courses;
 - Export dissertations;
 - Control access to the platform;
 - See the teacher's quota.

New Project

(Features)

- **Teacher:**
 - See the status of your dissertation documents;
 - Can submit the jury proposal document.
- **Student:**
 - Can submit documents related to the bureaucracy of choosing and submitting a dissertation;
 - View the data on scheduling your final presentation and/or other presentations;
 - View the validation status of your submitted documents.
- **Director:**
 - View dissertations from your course;
 - Elect the president of the jury;
 - See the status of your dissertation documents.
- **Staff** (new entity):
 - Control the documents submitted by the student and teacher;
 - Schedule the defense of the test for the students;
 - Export the dissertations by year or in a range;
 - See the chosen president.
- **Admin** (nothing new).



FUNCTIONAL REQUIREMENTS



**Dissertation
Management**



Search Functionality



Notification System



Workflow Automation



User Authentication



User Management



NON-FUNCTIONAL REQUIREMENTS



Security



Availability and fault tolerance



Performance



Maintainability



Scalability



DEMO



GOALS REVIEW

- **Submit documents;**
- **Auto fill the documents;**
- **Validate and reject the documents;**
- **Mark the date of the defense;**
- **Advanced search;**
- **Change year logic;**
- **Updated frontend documentation.**

FUTURE WORK

- Backend code cleanup;
- Implement Kubernetes orchestration system;
- Improve Year selection;
- Add Submission Seasons;
- Possibly expand to the whole university.

THANKS!

Does anyone have any questions?

<https://pi-dissertacoes.github.io/>

