deti

universidade de aveiro

DISSERTAÇÕES

DISSERTATIONS MADE SIMPLE

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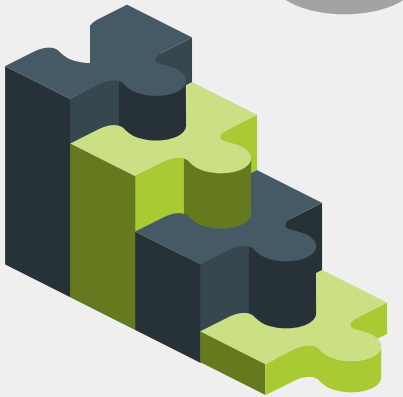
PROJECT CONTEXT

- Bidding process of dissertations in the MSc taught by DETI
- Our system aims to replace an already existing platform built for similar purpose;
- Existing platform available at: sd.web.ua.pt



DSD Distribuição de Serviço Docente frontoffice beta, v0.4

ENTRAR

Notícias | Apresentações | Dissertações | Opções

2022/2023 | 2023/2024

{ LISTA DE DISSERTAÇÕES }

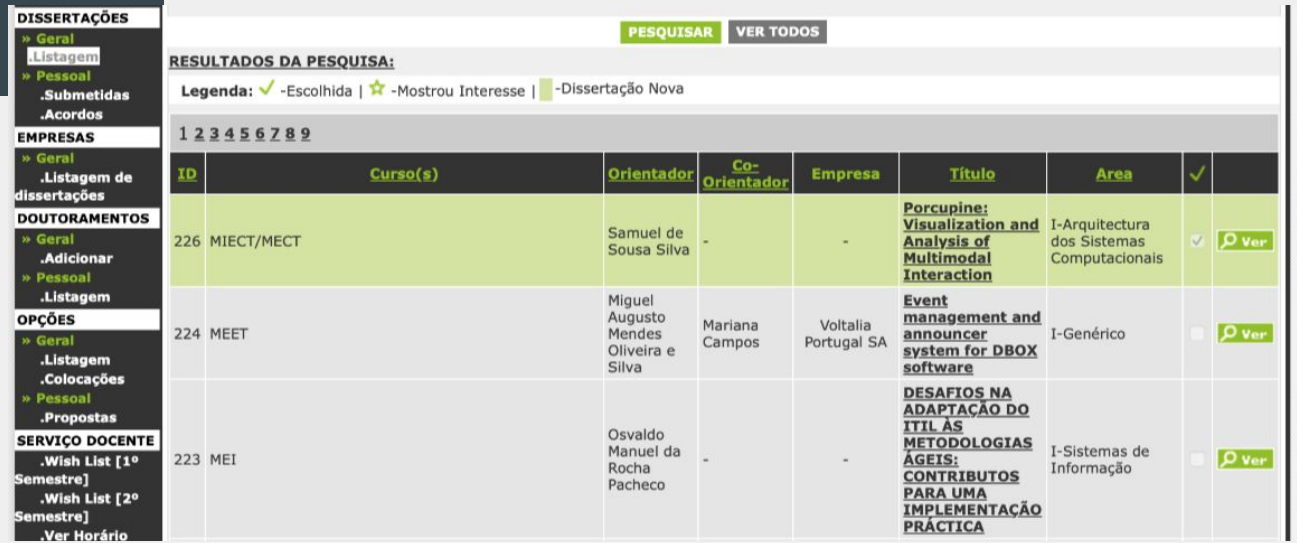
Legenda: ✓ -Escolhida

1 2 3 4 5 6 7 8 9

ID	Título	Curso(s)	Orientador	Co-Orientador	Empresa	Area	✓	
226	Porcupine: Visualization and Analysis of Multimodal Interaction	MIECT/MECT	Samuel de Sousa Silva	-		I-Arquitectura dos Sistemas Computacionais	☑	Ver
224	Event management and announcer system for DBOX software	MEET	Miguel Augusto Mendes Oliveira e Silva	Mariana Campos	Voltalia Portugal SA	I-Genérico	☐	Ver
223	DESAFIOS NA ADAPTAÇÃO DO ITIL ÀS METODOLOGIAS ÁGEIS: CONTRIBUTOS PARA UMA IMPLEMENTAÇÃO PRÁCTICA	MEI	Osvaldo Manuel da Rocha Pacheco	-		I-Sistemas de Informação	☐	Ver
222	HSI Solution for High Integrity Automotive E/E Systems	MIEET	José Luis Costa Pinto Azevedo	Tiago Serra	Bosch Car Multimedia Portugal S.A.	E-Electrot. Geral	☑	Ver

STATE-OF-ART

- This platform, available at [sd.web.ua.pt](sd.web.ua.pt), has become old and hard to maintain;
- The current deployment and technologies used are very outdated;
- The application offered many other functionalities that have since migrated to other platforms and left unused or broken;



ACTORS

Teachers

Students

Courses Directors

DETI Secretariat

Administrators

USE CASES

Administrators

- Manage courses and areas;
- Manage courses directors;
- Approve proposals;
- Invalidate proposals.

Course Directors

- Accept/revoke the use of a course in a proposal;
- Carrying out a 'divorce' between a teacher and a student.

Teachers

- Add and edit dissertation proposals;
- Transfer open proposals to current year;

Students

- See all proposals;
- Show interest in a proposal;
- Carry out a agreement with a teacher.

DETI Secretariat

- Export the status of current proposals to an Excel file.

FUNCTIONAL REQUIREMENTS

DISSERTATION MANAGEMENT

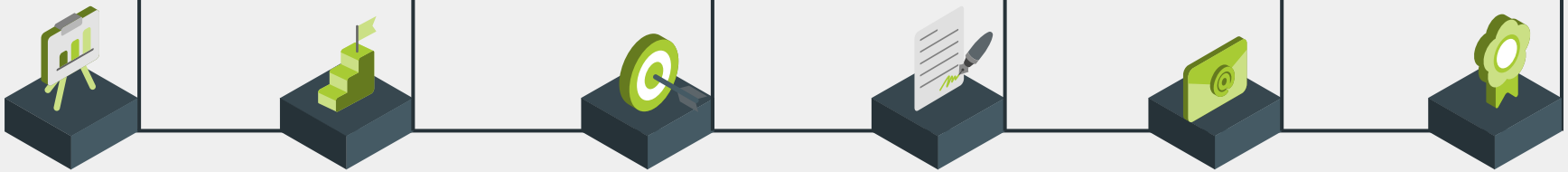
USER MANAGEMENT

USER AUTHENTICATION

SEARCH FUNCTIONALITY

WORKFLOW AUTOMATION

NOTIFICATION SYSTEM

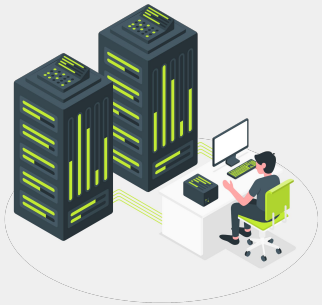


NON-FUNCTIONAL REQUIREMENTS

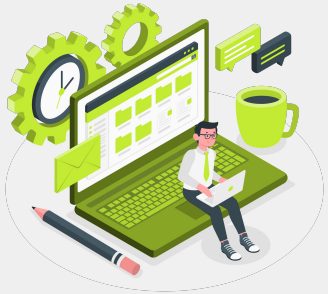
SECURITY

PERFORMANCE

SCALABILITY

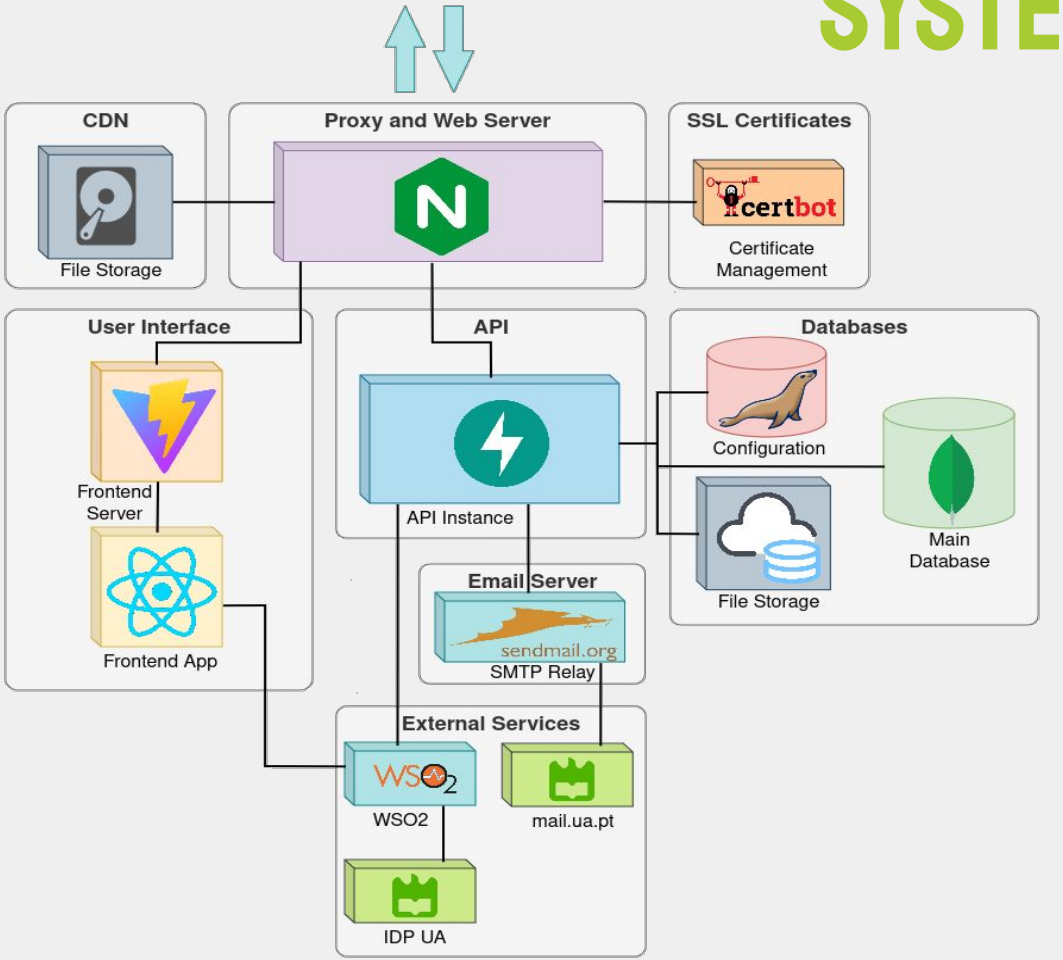


AVAILABILITY AND FAULT TOLERANCE

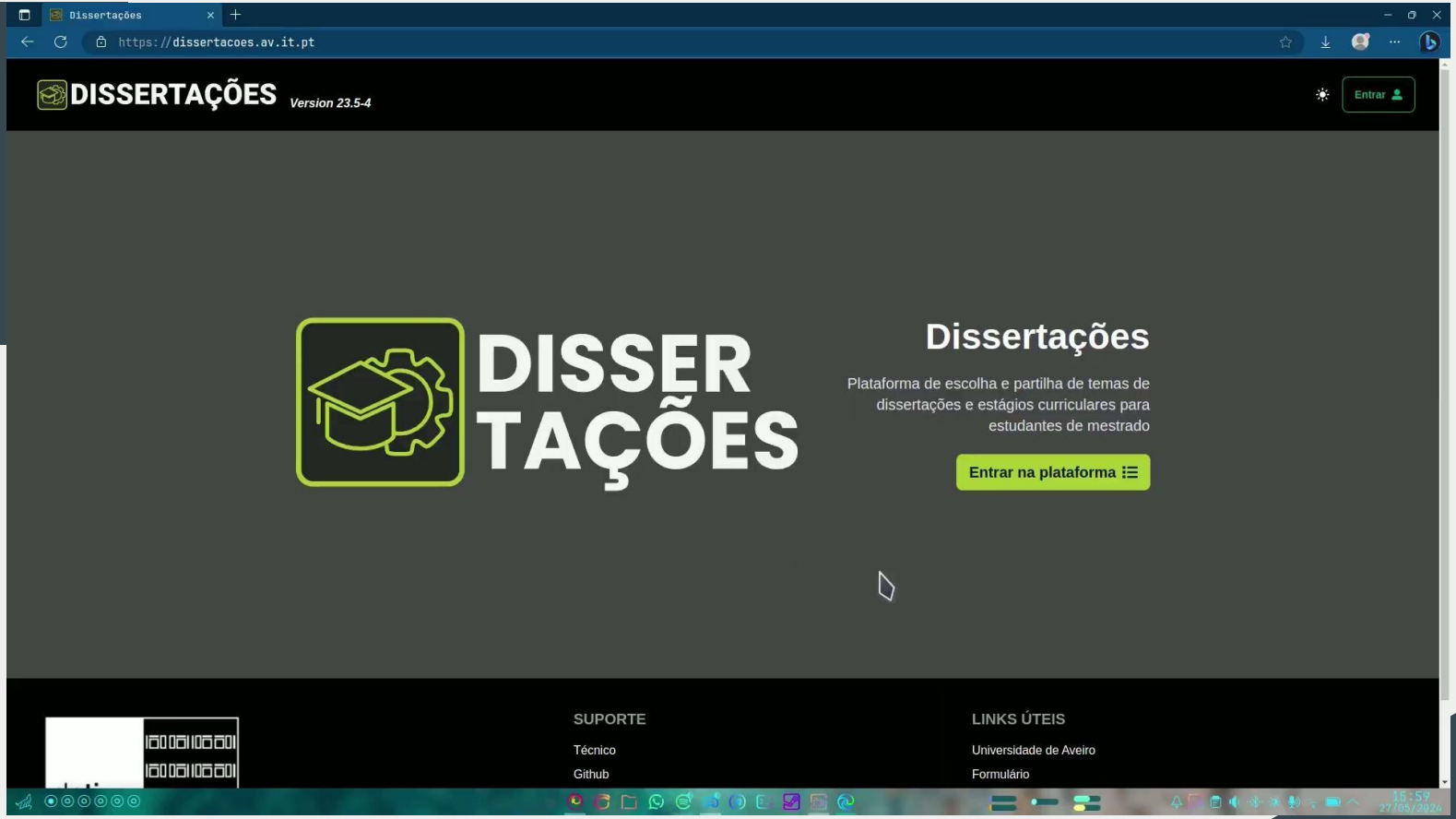


MAINTAINABILITY

SYSTEM ARCHITECTURE



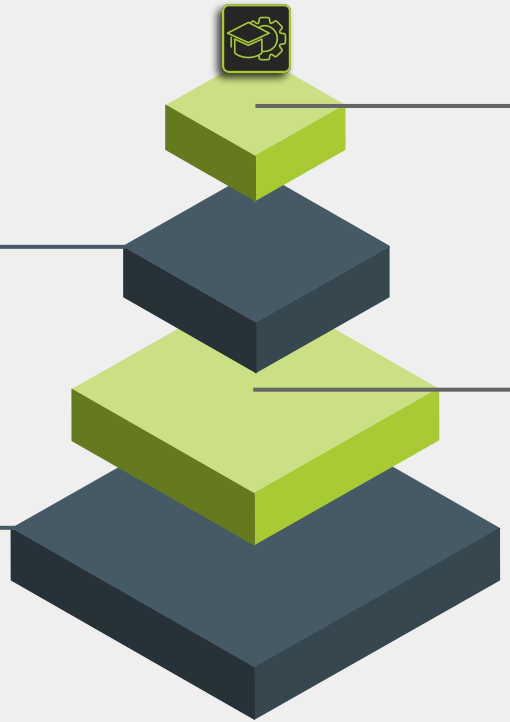
DEMO


Dissertações
https://dissertacoes.av.it.pt
DISSERTAÇÕES
Version 23.5-4
Entrar
DISSER
TAÇÕES
Dissertações
Plataforma de escolha e partilha de temas de dissertações e estágios curriculares para estudantes de mestrado
Entrar na plataforma
SUPORTE
Técnico
Github
LINKS ÚTEIS
Universidade de Aveiro
Formulário

SOME STATISTICS (03/06)

6
AGREEMENTS MADE
6 closed agreements with students for the next year

320
USERS REGISTERED
Total of individual logged in users in the application



2 MONTHS
WEBSITE BEING USED
Between beta testing and final deployment

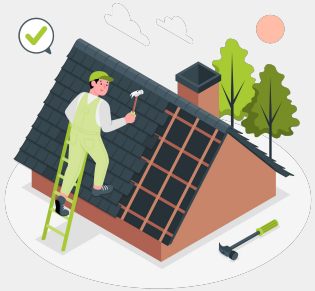
94
UPLOADED DISSERTATIONS
Dissertations added by teachers from the DETI department

GOALS REVIEW

8 INITIAL REQUIREMENTS

- Integration with the UA's IDP
- List dissertations
- Wedding (agreement between professor and student)
- Submit dissertations
- Show interest in dissertations
- Filter the list by key fields
- Advanced search with tags
- Export data to the secretary

GOALS REVIEW



- Integration with the UA's IDP
- List dissertations
- Wedding (agreement between professor and student)
- Submit dissertations
- Show interest in dissertations (renewed workflow)
- Filter the list by key fields
- Advanced search with tags
- Export data to the secretary
- New actors - course directors
- Director must accept his course in dissertations
- Director can cancel agreements
- Admins can manage areas and courses
- Edit Dissertations
- Bring open dissertations to current year
- Check the quotas of teachers by admin
- System ops observability (monitorization page)
- Help Page
- Usage manual for teachers and students
- Public Profile
- Introduce Alias for teachers
- Revoke course from a dissertation by director
- Invalidate dissertation by admin
- New actors - secretariat employee
- Secretariat employee can also export to excel
- Responsive pages for students

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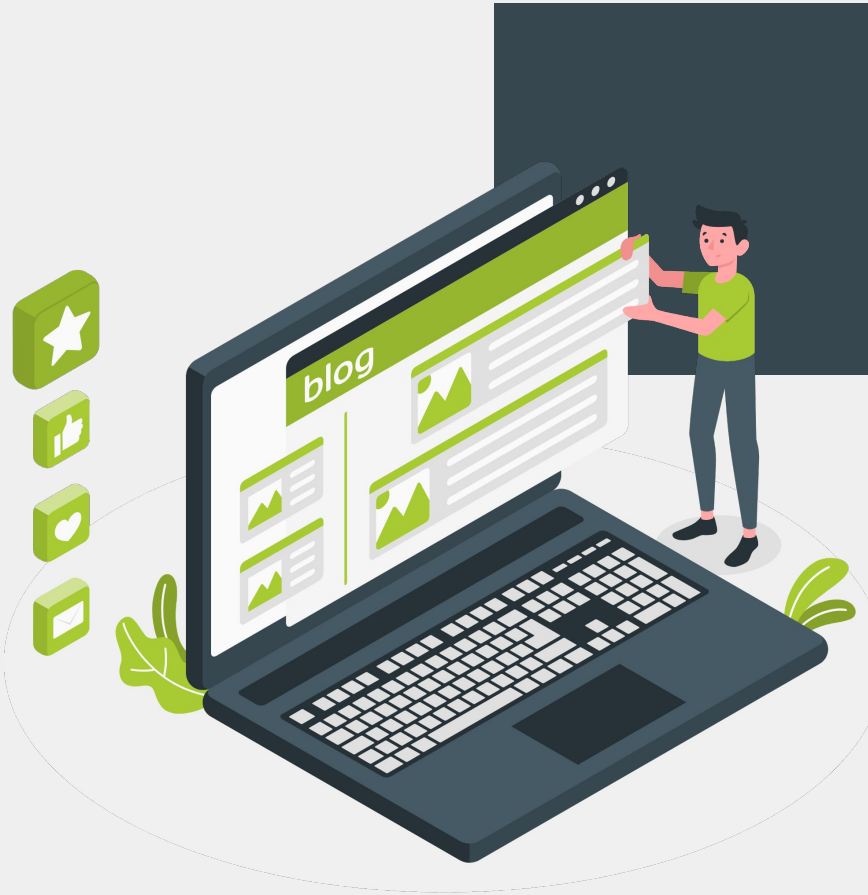
25 FEATURES DEVELOPED

FUTURE WORK

- Deepen front-end documentation and do a code cleanup;
- Implement Kubernetes orchestration system
- Search bar with tags for power users;
- Finalize the deployment gitflow;
- Migrate to a STIC deployment environment
- Possibly expand to the whole university



THANKS

Does anyone have any questions?

Contact us!
dsd.pi.email@gmail.com

Follow the project updates on:
pi-dsd.github.io/microsite