



universidade
de aveiro



APOIO AO SERVIÇO DOCENTE

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

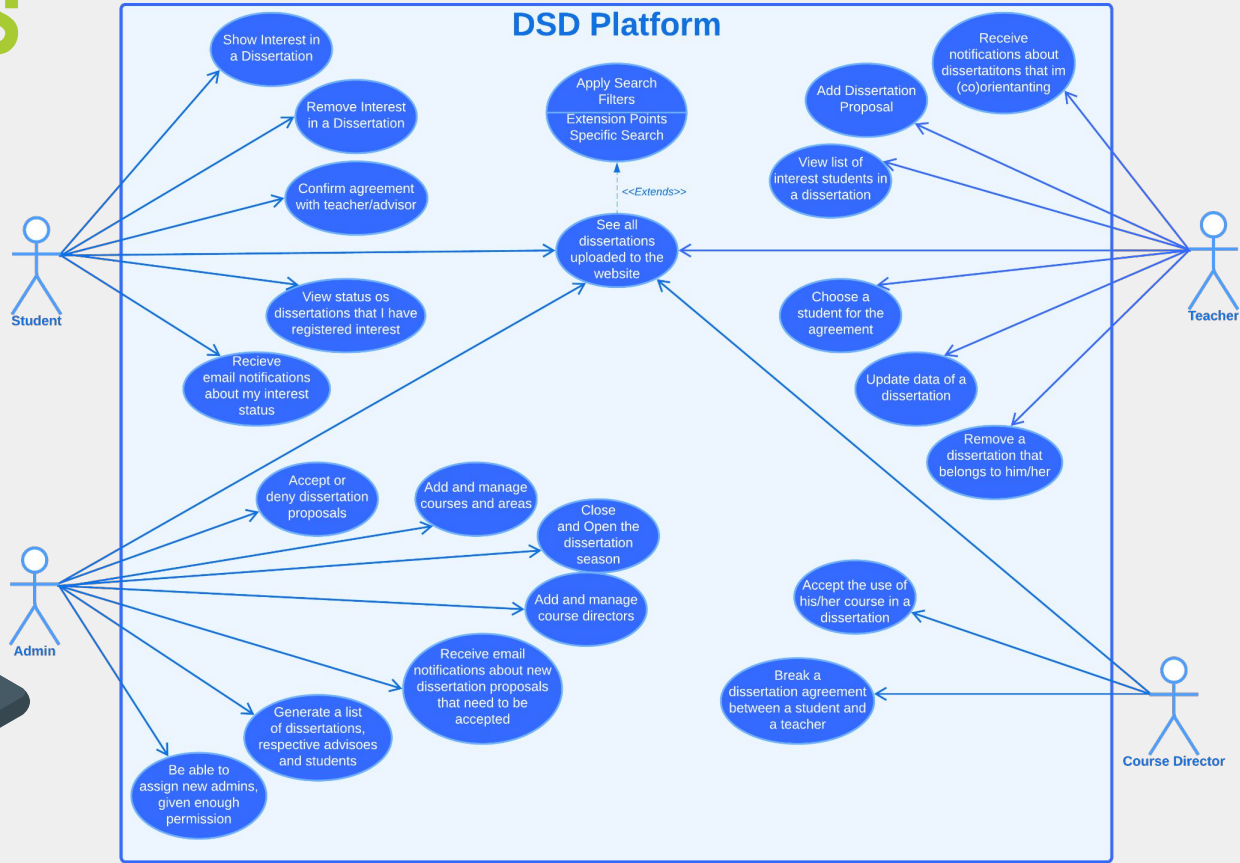
ID	Título	Curso(s)	Orientador	Co-Orientador	Empresa	Área	✓	
226	Porcupine: Visualization and Analysis of Multimodal Interaction	MIECT/MECT	Samuel de Sousa Silva	-		I-Arquitetura dos Sistemas Computacionais	<input checked="" type="checkbox"/>	Ver
224	Event management and announcer system for DBOX software	MEET	Miguel Augusto Mendes Oliveira e Silva	Mariana Campos	Volitalia Portugal SA	I-Genérico	<input type="checkbox"/>	Ver
223	DESAFIOS NA ADAPTAÇÃO DO ITIL ÀS METODOLOGIAS ÁGEIS: CONTRIBUTOS PARA UMA IMPLEMENTAÇÃO PRÁTICA	MEI	Osvaldo Manuel da Rocha Pacheco	-		I-Sistemas de Informação	<input type="checkbox"/>	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	<input checked="" type="checkbox"/>	Ver

ACTORS

- Students
- Teachers
- Administrators
- DETI Secretariat
- Course Director (NEW)

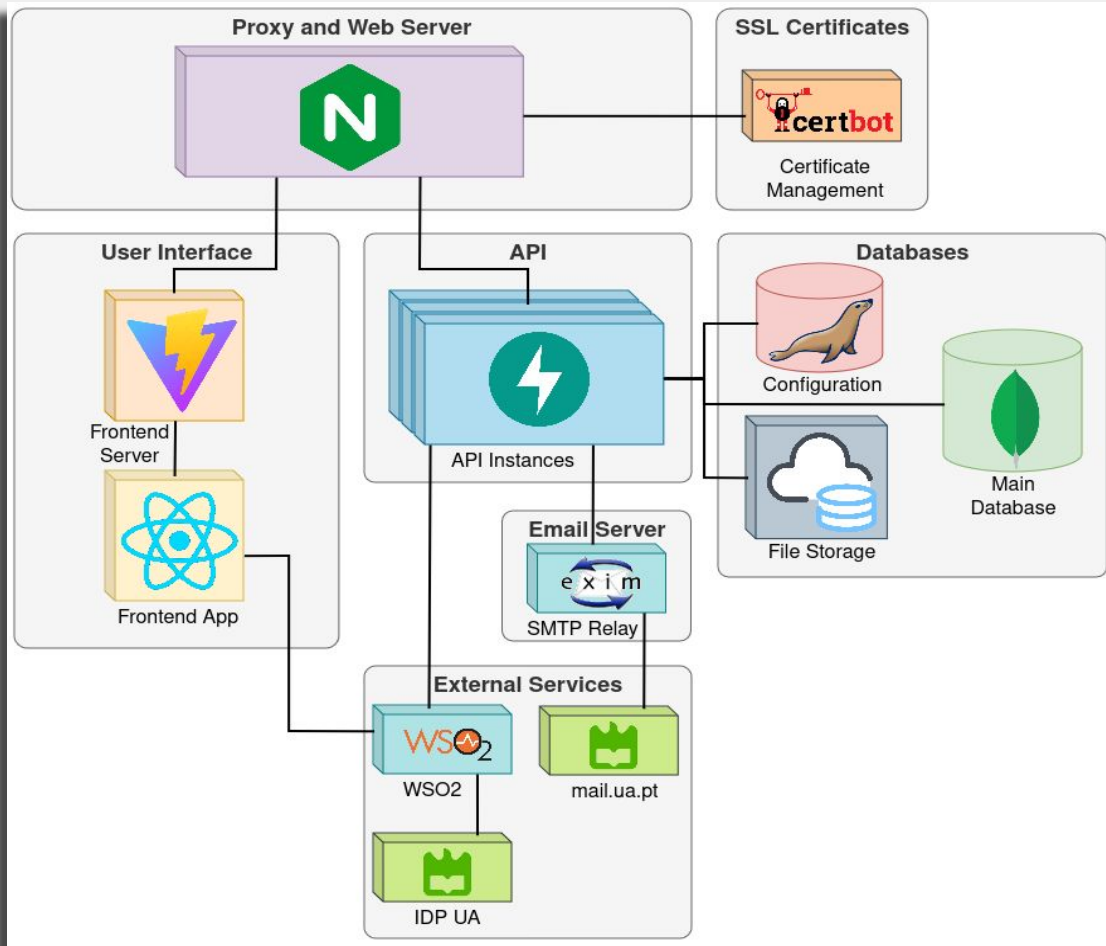


USE CASES



SYSTEM ARCHITECTURE

Skeleton structure of the system



USABILITY TESTS

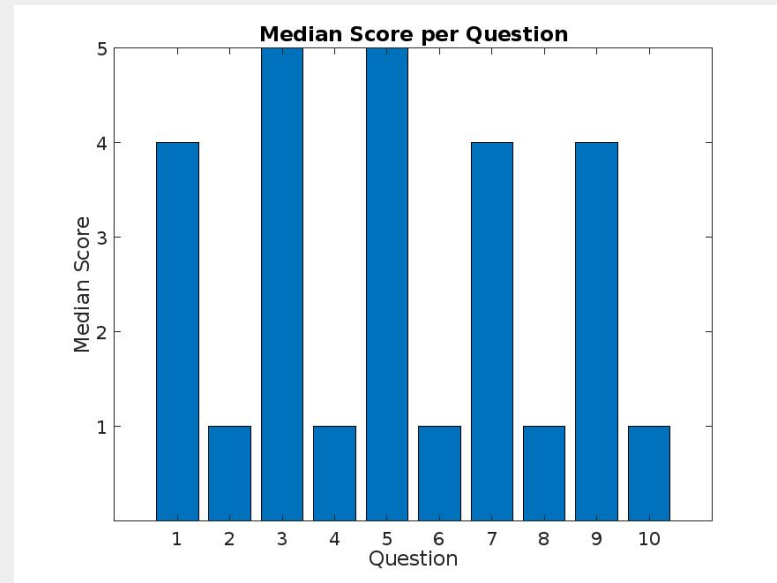
- **19 testers;**
- **Completion rate: 96.8 %**
- **Success rate: 78.9 %**

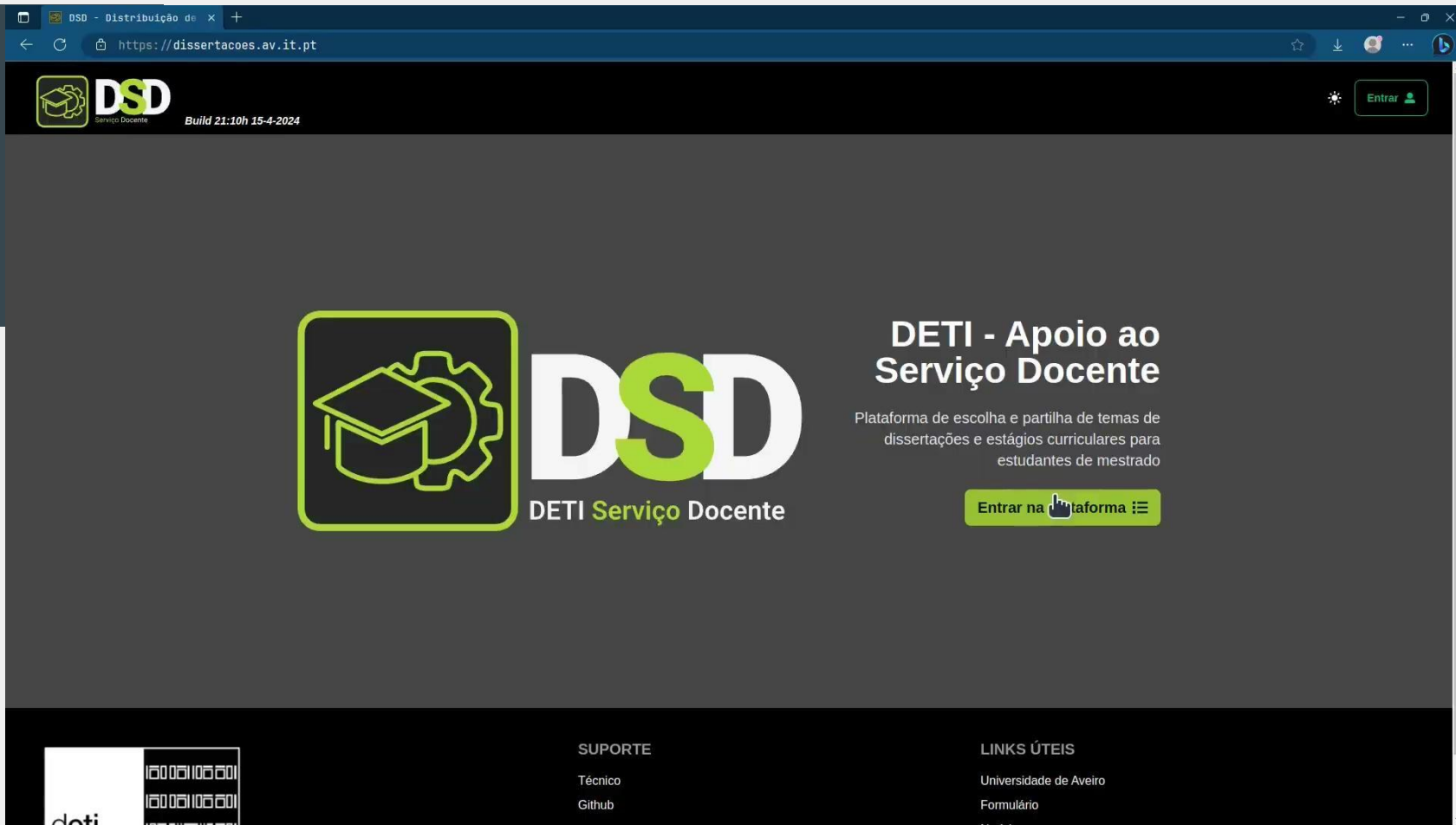
A post-task questionnaire was provided to every tester after finishing the tasks.

On even numbered questions the best score is 5 and on odd numbered questions the best score is 1.

Testers seemed to be pretty satisfied with the overall usability of our system.

Overall SUS Score : 91






The screenshot shows a web browser window with the URL <https://dissertacoes.av.it.pt>. The page header includes the DSD logo (a graduation cap and gear) and the text "DSD Serviço Docente" and "Build 21:10h 15-4-2024". A dark navigation bar contains an "Entrar" button with a user icon. The main content area features a large logo with a graduation cap and gear, the text "DSD" in large white letters, and "DETI Serviço Docente" below it. To the right, the heading "DETI - Apoio ao Serviço Docente" is displayed, followed by the description: "Plataforma de escolha e partilha de temas de dissertações e estágios curriculares para estudantes de mestrado". A prominent green button labeled "Entrar na plataforma" with a hand cursor icon is positioned below the text. The footer is divided into two sections: "SUPORTE" with links for "Técnico" and "Github", and "LINKS ÚTEIS" with links for "Universidade de Aveiro" and "Formulário". A small 3D illustration of people at a computer is located in the bottom right corner.

DSD - Distribuição de x +

https://dissertacoes.av.it.pt

DSD Serviço Docente Build 21:10h 15-4-2024

Entrar

 **DSD**
DETI Serviço Docente

DETI - Apoio ao Serviço Docente

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

FRONTEND CHANGELOG

- Page for a teacher to manage his/her's dissertations;
- The full workflow of a agreement, from a student showing interest in a dissertation, to the student and teacher signing the final agreement;
- Filters with multiple options like, year, area, course, advisor, co-advisor, etc;
- Assign courses to a director or delete/update him/her from a course;
- Manage existing areas in the platform;
- Export to Excel/HTML the list of dissertations;
- Integration with React-Query;



BACKEND CHANGELOG

- Added the final Email Notifications for students, teachers and admins;
- Export to Excel/HTML the list of dissertations;
- Support for course director operations (adding a new one, accepting a course for a dissertation);
- Implementation of HTTPS in the production server;
- Quotas for dissertations;



GOALS REVIEW

- 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**
- **Divorce - by course director**
- **New workflows**
- **Admins can manage areas and courses**



FUTURE WORK

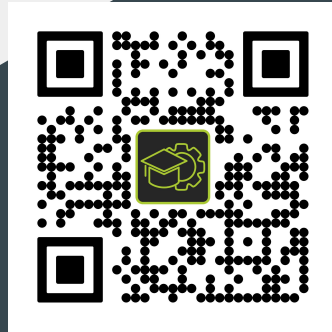
Front-end:

- Infinite Scroll;
- Search bar with tags for power users;
- Turn off/on dissertations upload season;
- Front-end documentation;
- Tests with teachers;

Back-end:

- Integrate the SMTP server with mail.ua.pt;
- Refine production environment (kubernetes and variables);
- Finalize the deployment gitflow;
- Improve security in the application;





THANKS

Does anyone have any questions?

Contact us!

dsd.pi.email@gmail.com

Follow the project updates on:

pi-dsd.github.io/microsite