



deti

universidade de aveiro
departamento de eletrónica,
telecomunicações e informática



Sistema de Gestão de Atividades Profissionais Confiáveis para Formação Médica na UA

M1 - Inception Phase

Grupo 3

Pedro Ponte - 98059

Tomás Brás - 112665

Carolina Silva - 113475

Afonso Ferreira - 113480

Ricardo Antunes - 115243



CONTEXT



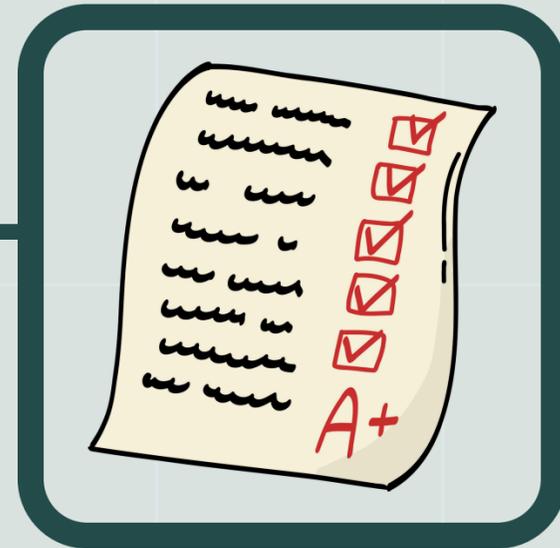
PAIS

Universidade de Aveiro vai abrir curso de Medicina

A atual proposta envolve ensino na UA e orientação tutorial clínica em três Unidades Locais de Saúde, designadamente a ULS Região de Aveiro, a ULS Entre-Douro-e-Vouga e a ULS Gaia/Espinho, no âmbito do Centro Académico Clínico Egas Moniz Health Alliance.

New Medicine course at UA

Reliable Professional Activities Management System for Medical Training at UA



Evaluation on paper



Evolution of Students

PROBLEM



01

Lack of an integrated digital system for managing **Entrustable Professional Activities (EPA)**



02

Absence of a standardized framework for **assessing medical students' competencies**



03

Challenges in tracking supervised progression in essential medical practice activities



GOALS

01 Develop a mobile web app for EPA Tracking



02 Build a scalable Backend System



03 Enable continuous Tutor Feedback



04 Create a Performance Analytics Section



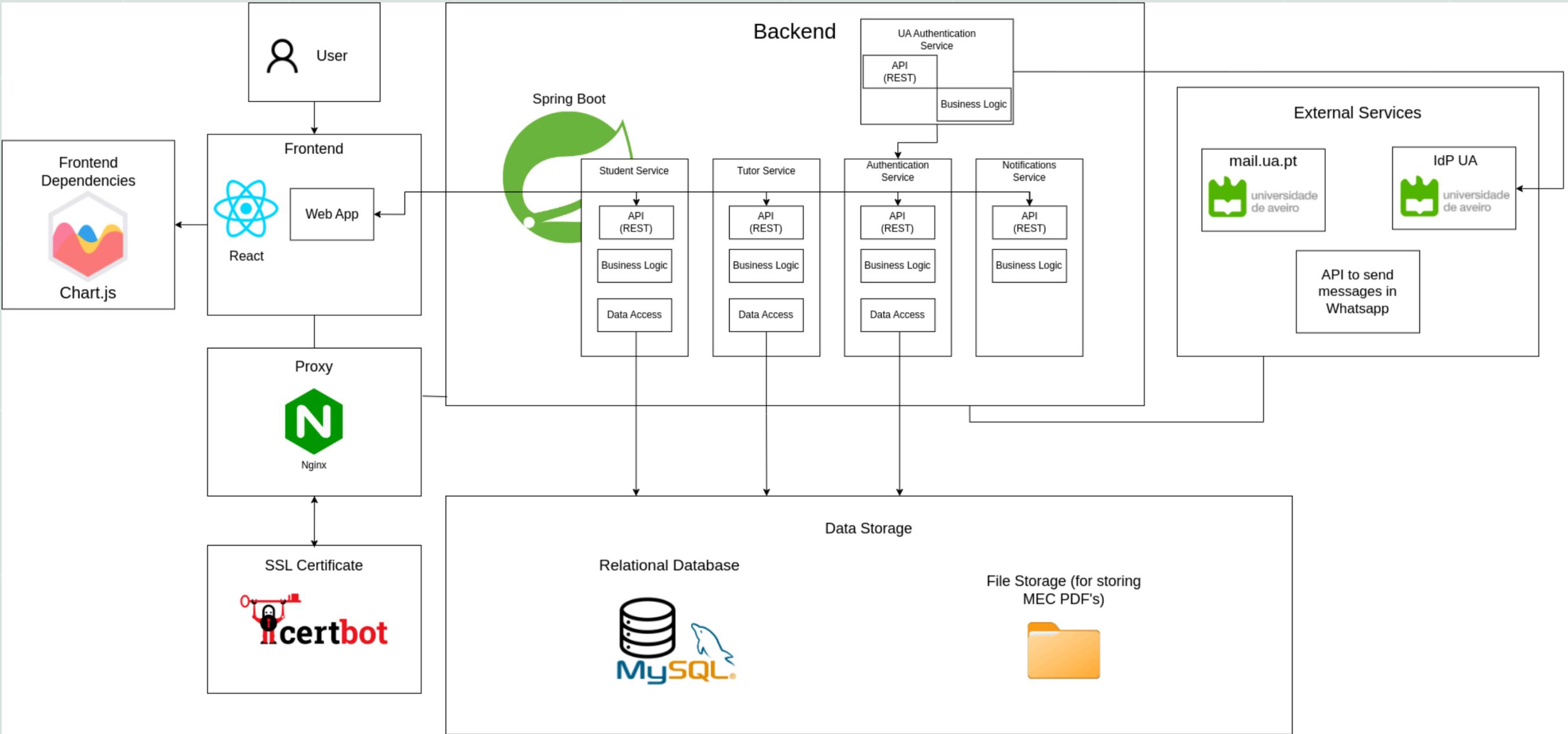
05 Set up access controls to restrict data viewing and input to authorized users only



06 Ensure Offline Functionality



GOALS



RISKS



Authentication

Multi Factor Authentication



Email Notifications

KEY FEATURES

- 01** Evaluation Forms
- 02** Progress Statistics
- 03** Detailed Calendar
- 04** Generate assessment details in PDF
- 05** Notifications Service



State-of-the-art

	 EPA Tracking Tool	 SIMPL	 EVAL MED
Official Integration with University			
EPA Evaluation History			
Poor internet connection tolerance			
Statistics Section			

OUR TEAM



Ricardo Antunes
Architect
Back-end Developer



Afonso Ferreira
Team Manager
FullStack Developer



Tomás Brás
Product Owner
Front-end Developer



Pedro Ponte
DevOps
Back-end Developer



Carolina Silva
QA Engineer/Tester
Front-end Developer



ADVISORS



Carlos Costa



José Luís Oliveira

11/02 - 17/02

Module: Project Planning

- Task 1 (C + A + T) - Presentation
- Task 2 (A) - Create Backlog
- Task 3 (T+ A) - Microsite
- Task 4 (R + A) - Project Calendar

18/02 - 24/02

Module: Requirements Gathering

- Task 1 (R) - Use Case diagram`s
- Task 2 (T + A) - User Stories
- Task 3 (A) - Functional and Non-Functional Requirements
- Task 4 (R) - Acceptance Criteria
- Task 5 (Everyone) - Context + State-of-the-art research
- Task 6 (P+ R) - Research into UA's IDP

M1

25/02 - 03/03

Module: Architecture and Mock-Ups Development

- Task 1 (T + C + A) - Figma Prototype
- Task 2 (P + R) - Architecture
- Task 3 (P) - Setup Development environment

04/03 - 10/03

Module: Development and Testing

- Task 1 (Everyone) - Perform usability tests with Mock-Ups
- Task 2 (P + R) - Start Backend API development
- Task 3 (C + T) - Start Frontend Development
- Task 4 (A + R) - Database Setup
- Task 5 (Everyone) - Presentation

M2

11/03 - 17/03

Module: Development & Implementation

- Task 1 (P + R) - Continue backend development
- Task 2 (T + C + A) - Continue frontend development

18/03 - 24/03

Module: Authentication

- Task 1 (P + R) - Connect to UA's authentication service*
- Task 2 (Everyone) - Keep developing MVP features

*Dependent on STIC

25/03 - 31/03

Module: Deployment and Statistics

- Task 1 (P) - Start working on deploying the project
- Task 2 (A) - Develop the statistics backend
- Task 3 (C + T) - Develop the statistics frontend
- Task 4 (P + R) - Keep developing the backend

01/04 - 07/04

Module: Presentation and refinement

- Task 1 (Everyone): Presentation
- Task 2 (Pedro) - Deployment of MVP

M3

08/04 - 14/04

Module: Side Features

- Task 1 (P + R + A) -Start working on side features back-end
- Task 2 (C + T) - Start working on side features front-end
- Task 3 (A) - Start developing feature that transforms evaluations into PDF's

22/04 - 05/05

Module: Side Features

- Task 1 (Everyone) - Continue working on side functionalities
- Easter Holidays
- Academic Week

06/05 - 19/05

Module: Documentation

- Task 1 (A + P) - Complete documentation
- Task 2 (R + C + T) - Continue development of side features

20/05 - 26/05

Module: Demo + video + poster for students@deti

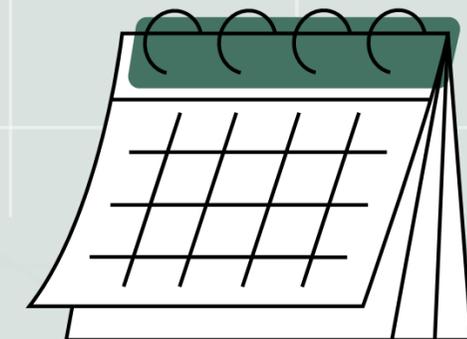
- Task 1 (A) - Poster
- Task 2 (T + C) - Video
- Task 3 (P + R) - Demo
- Task 4 (Everyone) - Finish technical report

Module: Final Presentation

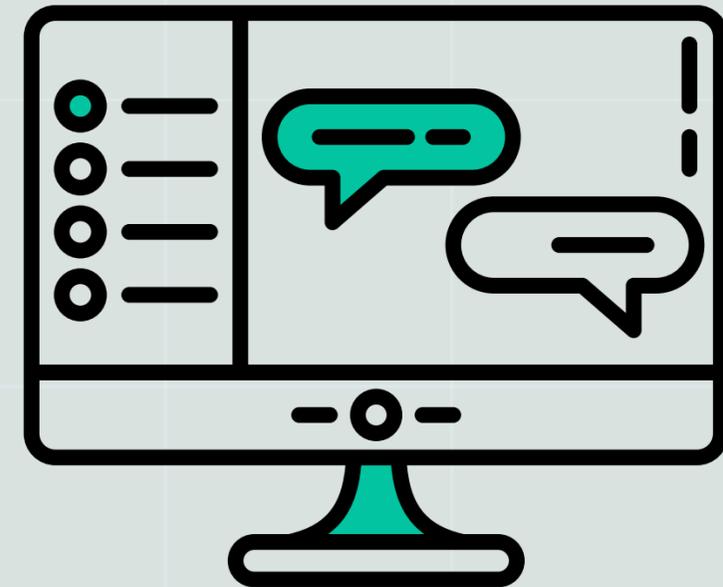
- Task 1 (Everyone) - Work on presentation

M4

Project Calendar



COMMUNICATION PLAN





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Thank you!

M1 - Inception Phase

Does anyone have any questions?

Follow the project updates on:
<https://github.com/bio-informatics/EPA>



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