



POLITECNICO MILANO 1863

CodeKataBattle

Design Document

Software Engineering 2 project
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Revision History

Date	Revision	Notes
15/11/2023	v.0.0	Document creation
TBD	v.1.0	First relese

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1. introduction

2. Architectural Design

2.1 Overview

The CKB platform system is composed by a 3-tier architecture.

Its software application architecture is organized into three logical tiers: the presentation tier, or user interface; the application tier, where data is processed; and the data tier, where the data associated with the application is stored and managed.

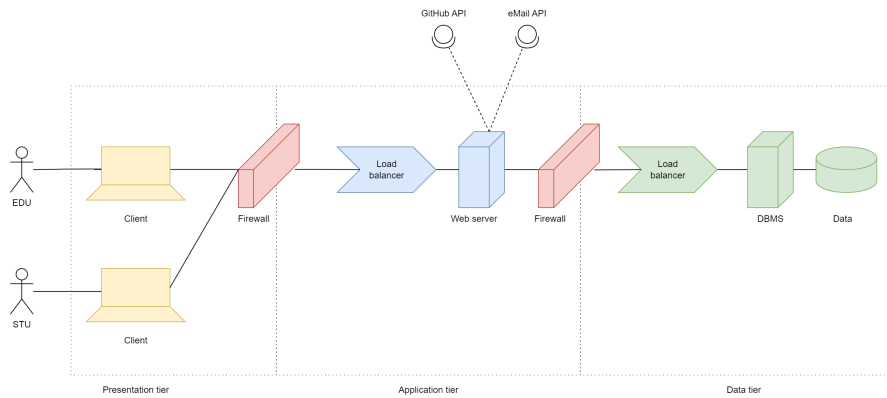


Figure 2.1: High level components diagram

The service will be accessed through a web interface, employing a Single Page Application (SPA). Utilizing an SPA is ideal for this application, as it facilitates extensive interaction without necessitating frequent page reloads.

The system's architecture is structured into distinct layers, with application servers interacting with a database management system and utilizing APIs for data retrieval and storage. Adhering to REST standards, the application servers are intentionally designed to be stateless, -e le sessioni di log in come ce le gestiamo?- while the system will include more than one firewall to ensure security.

2.2 Component view

The system is composed by the following components:

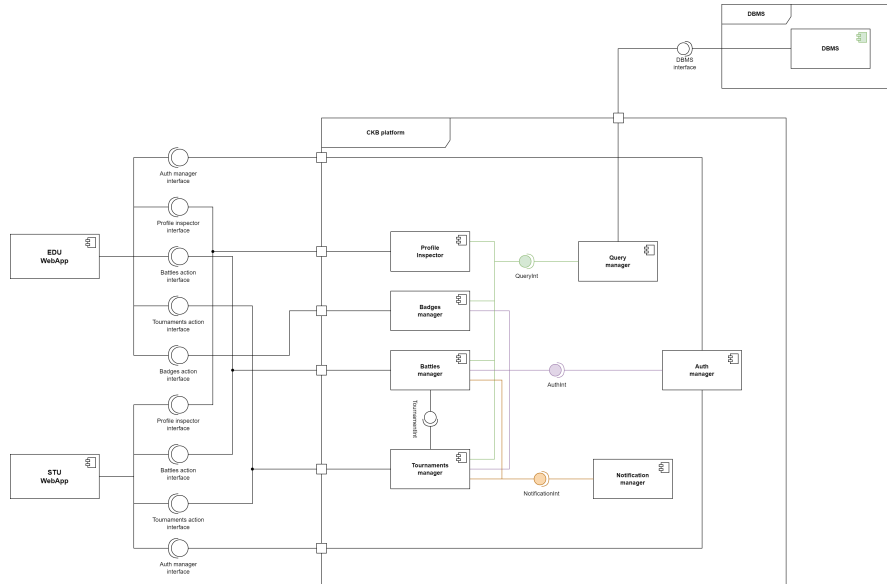


Figure 2.2: Component diagram

Qui va bene aver raggruppato le interfacce oppure vanno messe singolarmente, una per ogni endpoint?

3. Effort Spent

Team

Topic	Time
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Table 3.1: Effort Spent during team meetings

Tommaso Pasini

Topic	Time
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Table 3.2: Effort Spent by Tommaso Pasini

Elia Pontiggia

Topic	Time
Chapter 2	1h30m

Table 3.3: Effort Spent by Elia Pontiggia

Michelangelo Stasi

Topic	Time
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Table 3.4: Effort Spent by Michelangelo Stasi