

Development and Analysis of a Trello-Inspired Task Management Platform: A Focus on Efficiency and Collaboration in the Digital Era

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Abstract—The abstract goes here.

1. Introduction

In today's digital age, effective project and task management has become essential for the success of both individuals and organizations. With the growth of technology and remote collaboration, there is a growing demand for tools that enable efficient organization, tracking, and collaboration on projects in an agile and effective manner. In response to this need, various task management platforms have emerged, offering innovative solutions to address these challenges.

The purpose of this paper is to present a detailed investigation into the development of a task management platform inspired by the popular Trello system. Trello is a project management tool based on boards that has gained popularity due to its intuitive interface and its focus on real-time collaboration.

In this paper, we will explore the different aspects of the design, development, and implementation of our platform, including the system architecture, the technologies used, and the development strategies. Additionally, we will critically examine the decision-making process behind each aspect of the project, from tool selection to the implementation of specific features. Through this study, we hope to contribute to the existing body of knowledge in the field of project management and information technology by providing a detailed insight into the challenges and opportunities associated with the development of a modern and effective task management platform.

1.1. First version of methods

This study aims to develop and evaluate a task management platform inspired by the features of the Trello application. We will use a combination of software development methodologies, for now we do not see the need to use specific creational patterns.

1.1.1. First definition of experiments to be performed.

We will adopt an iterative development approach, incorporating elements of Agile and Lean methodologies. The development process will consist of several sprints, each focused on implementing and testing specific features of the task management platform.

The development process will be divided into multiple phases, each corresponding to a specific stage of the software development life cycle. In the initial phase, we will conduct a requirements analysis to identify the key features and functionalities of the task management platform. Subsequent phases will focus on design, implementation, testing, and deployment.

1.1.2. Poster created with AI. With Copilot and their AI of generating images based on text descriptions, we recreated the next poster.



Figure 1. Descripción de la imagen

References

- [1] R. S. Pressman, Ingenieria del Software - Un Enfoque Practico. McGraw-Hill Co., 1998.
- [2] Ingeniería de software. Pearson, 2011.