
Monopoly assistance

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DEVELOPMENT REPORT AND DOCUMENTATION

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1 Introduction

The classic board game Monopoly has been enjoyed by millions of people of all ages for over eight decades. It is a game that involves buying, selling, and trading properties with the objective of becoming the wealthiest player. Monopoly has brought joy to countless families and friends over the years. However, the game's reliance on paper money and too many physical game pieces can make it cumbersome and time-consuming to play.

Monopoly Assistantante is a digital app designed to enhance and simplify the gameplay experience of the classic board game Monopoly for an efficient and convenient way to play the game by providing a digital system for managing players money and properties, reducing the amount of paper used during gameplay, and tracking game progress in real-time, and make it less time-consuming, with customizable rules featurer with multiplayer support, and try to achive that without sacrificing the social and fun aspects of playing in person.

These features aim to simplify the gameplay experience for players while also enhancing it by providing real-time updates, detailed statistics, and customizable options. In addition, the app's digital tracking capabilities allow players to easily view their progress throughout the game, including their assets, properties, and overall net worth. This provides players with a clear understanding of their current position and helps them make more informed gameplay decisions. By providing players with a comprehensive overview of the game, Monopoly Assistantante can also help players develop their strategic thinking and decision-making skill, which can lead to a more immersive and engaging experience, where players can fully explore the strategic depth of the game and gain valuable experience in theory.

The thesis will evaluate the effectiveness of the app in improving the Monopoly gameplay experience, with a focus on how it impacts gameplay mechanics, and the flow and speed of the game, facilitates more strategic gameplay, player interaction, and overall enjoyment, as well as to identify areas for potential future development.

It is important to note that while the app is designed to reduce the amount of paper used and make gameplay more efficient, it is not intended to replace the physical presence of the players and the board game itself. The fun and social aspects of playing Monopoly in person are an essential part of the game's appeal, and the app is designed to complement and enhance these aspects, rather than replace them.

The thesis will begin by reviewing the literature on board games and digital technology, as well as discussing the design and development process of the app. Next, the thesis will present the results of user testing and surveys to evaluate the app's usability and user experience. Finally, the thesis will conclude with a discussion of the findings and potential directions for future research in this area. Through an analysis of Monopoly Assistantante's features and impact on gameplay, this thesis aims to explore the ways in which digital tools can enhance and modernize traditional board game experiences. By examining the app's impact on gameplay mechanics, player interaction, and enjoyment, this thesis seeks to provide valuable insights into the role of technology in transforming classic board games into efficient and engaging digital experiences.

2 Problematic

Playing monopoly is really fun, but it take a lot of time, which causes many of your friends refuses to play it, that what will make playing it not fun. one of the things that causes it to take very long is the money transactions between players, or with the bank/goverment, espacaly when u dont have the change to pay the right amount of money.

3 Objectives

in this web app we will minimize the time it takes to make a transaction between two players or between a player and the bank/goverment, where the transactions going to be made digitly, and the money holding will be virtually.

4 System Requirements and Actors

4.1 Introduction

To make sure that the web application replaces the paper money its full uses in the game, it is important to identify the different user of the system

4.2 User Actors

4.2.1 Admin

An external user who is an administrator of the system and can access a set of use cases related to managing the game

4.2.2 Guest

An external user who is not a registered player or administrator and can access a limited set of use cases

4.2.3 Player

An external user who is a registered player and can access a set of use cases related to playing the game

5 Static Context Diagram