Lipad

GameDev using Flutter Casual Games Tookit

Partial fulfillment for Elective 2 Mobile Application Development 2

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PROJECT REPORT

Lipad

Introduction

"Lipad" is a thrilling mobile game inspired by the classic "Flappy Bird" but with a unique twist. In this game, players control a vibrant kite as their avatar navigating through a dynamic world filled with obstacles inspired by Filipino culture. Instead of tubes in the Flappy Bird game, players must maneuver their kite past various Filipino-inspired objects such as colorful birds, slippers, and iconic jeepneys.

With its engaging gameplay and culturally rich visuals, "Lipad" offers players an exciting and immersive experience that celebrates the beauty and diversity of Filipino heritage.

Design and Development Process

Conceptualization

The core idea or conceptualization of "Lipad" revolves around blending the addictive gameplay mechanics of "Flappy Bird" with elements of Filipino culture and heritage to create an engaging and culturally immersive gaming experience.

Celebrate Filipino Culture: The game serves as a platform to showcase and celebrate the diverse and colorful aspects of Filipino culture, including folklore, traditions and art. By integrating elements such as Filipino-inspired obstacles, landscapes, and characters, "Lipad" provides players with a unique and authentic cultural experience.

Game Mechanics

Tap to Ascend: Similar to "Flappy Bird," players tap the screen to make the kite ascend. Each tap provides a gentle lift, allowing players to navigate through the obstacles.

Avoid Obstacles: The main objective is to maneuver the kite through various Filipino-inspired obstacles such as birds, slides, and colorful jeepneys randomly placed across the screen. Colliding with any obstacle ends the game.

Game Settings.

In game settings, there are 4 game setting options namely: name it is for changing the player name, sound fx for mute/unmute sound fx, Music it is used for muting or unmuting in game music and lastly the reset progress it is for deleting player progress if the player wants to reset its progress to the game and start new game progress.

Character Design.

Characters in "Lipad" are inspired by Filipino foklore and everyday life. From a Sarimanok, which is a mythical bird to the iconic jeepney's, kite, and legendary 'tsinelas' that can give nostalgic experience to the players making the gaming experience more immersive and engaging.

Sound Design.

Featuring "Saranggola ni Pepe" by Celeste Legaspi as the soundtrack for "Lipad" adds another layer of authenticity and nostalgia to the gaming experience. The upbeat and lively melody of the song perfectly complements the game's dynamic gameplay, enhancing immersion and cultural resonance for players. As players navigate through obstacles , the iconic tune of "Saranggola ni Pepe" sets the mood, evoking memories of childhood kite-flying adventures . With its timeless appeal and cultural significance, the song adds an extra dimension of charm and warmth to "Lipad," making it a truly unforgettable gaming experience for players of all ages.

Technical Decisions

Development with Flutter

"Lipad" was developed using Flutter, chosen for its cross-platform capabilities, allowing the game to be deployed on both iOS and Android devices with a single codebase. Flutter's rich set of customizable widgets and its efficient rendering engine enabled a seamless animation of the game's characters and environments, providing a fluid and responsive user experience.

Conclusion

'Lipad' offers a captivating fusion of addictive gameplay mechanics and rich Filipino cultural elements, making it a truly unique and immersive gaming experience. With its visuals, character designs, and homage to Filipino folklore and everyday life, 'Lipad' celebrates the beauty and diversity of the Philippines.