Elective 2 (MAD 2) Mobile Application Development 2

Midterm Project

This assignment shall be presented and submitted via GitHub Classroom.

GameDev using Flutter Casual Games Toolkit

Project Overview:

Title: Nightfall: Curse of the Manananggal

Introduction: Welcome to 'Nightfall: Curse of the Manananggal', a spine-tingling twist on the classic Flappy Bird game that plunges you into the heart of Filipino folklore. As you play, imagine yourself soaring through eerie landscapes haunted by the menacing Manananggal, tapping your screen to navigate through perilous paths and evade deadly traps. With every flap of your wings, your desire to learn the dark mysteries of the cursed creature pulls you farther into its mystery. Can you summon the courage to face the night's terrors head-on, or will you find yourself ensnared in its chilling grip? The choice is yours, as you set off on an adventure that will put your courage and resolve to the test.

Design and Development Process

Conceptualization: 'Nightfall: Curse of the Manananggal' is an engaging mobile game that combines the rich tapestry of Filipino folklore, specifically, a mythical creature called by the name Manananggal, with the addicting gameplay concepts of Flappy Bird. Players take off on a thrilling adventure through the Philippine archipelago's starry, gloomy sky, dodging obstacles while attempting to learn the truth about the curse of the Manananggal.

Mechanics: The mechanics of this game are simple and is likely the same as the original game Flappy Bird. Players control a character that must fly and avoid the obstacles in its way by tapping the screen to ascend and descend. However, unlike Flappy Bird, the game offers more diverse environment, inspired by Filipino folklore.

Designs: The game's background is a representation of the Philippine landscape, featuring remote villages. The game's character is a Manananggal, portrayed as a fearsome yet tragic figure with striking visual elements inspired by Filipino folklore. Obstacles in the game draw inspiration from the trees in the Philippines.

Soundtrack: The game's soundtrack features traditional Filipino music, giving the gameplay an authentically cultural feel.

Technical Decisions

Development with flutter: Using Flutter to develop Nightfall: Curse of the Manananggal was a calculated move that offered many technical benefits. Flutter's robust structure enabled smooth cross-platform operation, enabling the game to function flawlessly on both iOS and Android devices using a single codebase. This methodical strategy reduced development time and effort, guaranteeing effective platform updates and iterations.

Efficient 2D Game Development: By leveraging Flame, we were able to create a smooth and responsive gaming experience for 'Nightfall: Curse of the Manananggal' ensuring that players could play the game with ease.

Conclusion: 'Nightfall: Curse of the Manananggal' stands as a testament to the power of storytelling and the enduring allure of Filipino folklore. By merging the concept of Flappy Bird, and Filipino folklore, the game delivers an unforgettable gaming experience that transports players into a world of myth and legend.

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