

Group members:

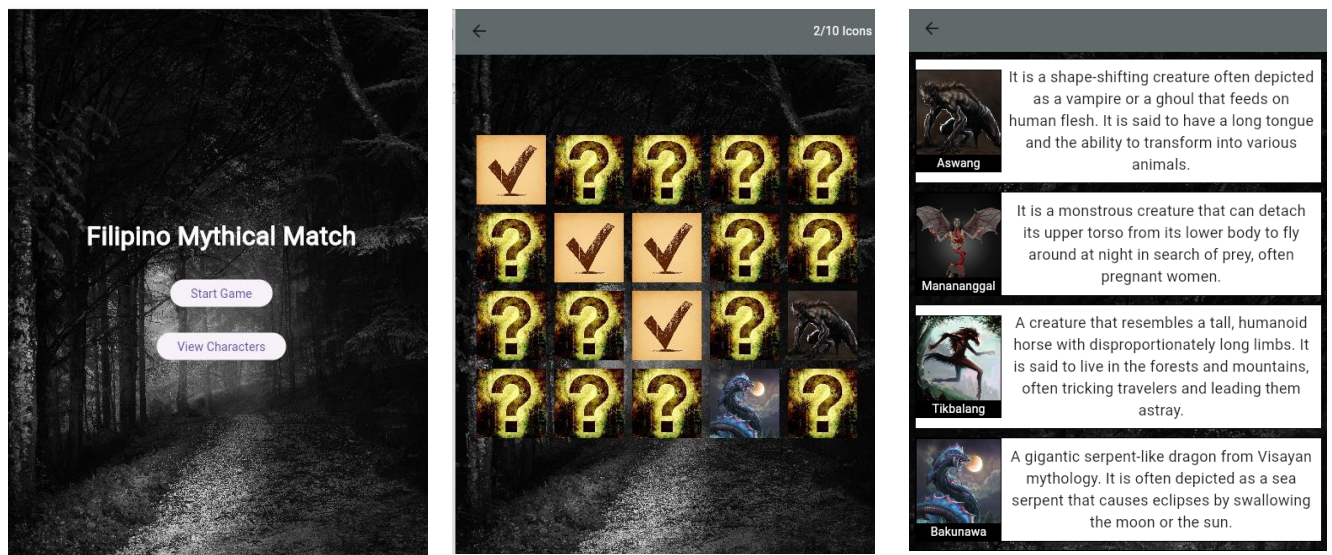
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Elective 2 (MAD2) Mobile Application Development 2

Midterm Project

Filipino Mythical Match Game



1. Introduction

The "Filipino Mythical Match " is a mobile game developed to provide users with an engaging and educational gaming experience. The game is designed to showcase Filipino culture and folklore through the depiction of mythical creatures as icons in a classic memory matching game format.

2. Design

Theme: The theme of the game is inspired by the rich mythology and folklore of the Philippines. In Filipino culture, mythical creatures play a significant role in storytelling and tradition, representing a

blend of indigenous beliefs and influences from various cultural sources. By featuring these creatures as icons in the game, we aim to celebrate and preserve this unique aspect of Filipino heritage.

Mechanics: The game mechanics are based on the classic memory matching game concept, where players must uncover pairs of matching icons hidden beneath tiles. Each turn, players select two tiles to reveal their icons. If the icons match, the tiles remain uncovered; otherwise, they are flipped back over. The objective is to uncover all pairs.

Filipino Elements: The choice of Filipino mythical creatures as icons adds a unique cultural element to the game. Each creature featured in the game, such as the Aswang, Manananggal, and Tikbalang, is accompanied by a brief description, allowing players to learn more about Filipino folklore as they play.

3. Implementation

Data Management: Data for the game, including the list of mythical creature icons and descriptions, is stored in Dart classes and lists. This approach provides a structured and manageable way to organize game content.

User Interface: The game's user interface is designed using Flutter widgets, including containers, rows, columns, and grid views. Custom styling are used to enhance the visual appeal and interactivity of the game.

Game Logic: The game logic, such as tile matching, and game state management, is implemented using Dart functions and stateful widgets.

4. Technical Decisions

Audio Integration: The decision to incorporate background music into the game was made to enhance the overall gaming experience and immerse players in the theme of Filipino mythology. By leveraging the Just Audio package.

Delayed Tile Reveal: a delay before revealing matched tiles adds an element of challenge and suspense to the gameplay. This deliberate design choice encourages players to strategize and plan their moves carefully.

5. Conclusion

The "Filipino Mythical Matching Game" is more than just a mobile application; it's a celebration of Filipino culture, folklore, and storytelling. By combining engaging gameplay mechanics with educational content, the game provides players with a unique opportunity to explore the rich tapestry of Filipino mythology while honing their cognitive skills.