

**INTRODUCTION:**

Hulapi is a Filipino-themed word puzzle game inspired by the popular game Wordle. It aims to provide players with an engaging experience while promoting the use and appreciation of the Filipino language and culture. This project report outlines the design, development process, and technical discussion behind Hulapi.

**DESIGN:**

**Theme:** Hulapi's theme revolves around the Filipino language and culture, offering players an immersive experience to engage with and appreciate the richness of Filipino linguistic heritage.

**User Interface:** The user interface is designed with vibrant colors, culturally relevant graphics, and intuitive controls, all aimed at enhancing the player experience.

**Background Music:** Jazz music sets the ambiance, providing a lively and dynamic backdrop to the gameplay, further enriching the overall experience.

**DEVELOPMENT PROCESS:**

The development process for Hulapi begins with conceptualization, where core mechanics and Filipino elements are brainstormed. This is followed by the design phase, where wireframes and mockups are created to visualize the game's layout and aesthetics. Implementation involves programming the game logic and integrating the Filipino word database, while testing ensures the game functions smoothly.

**TECHNICAL DISCUSSION:**

In the technical discussion, various aspects of the game's development are addressed, focusing on the implementation of specific features and the underlying technology utilized. This includes algorithms for word selection and feedback, database management using Hive, user interface development, localization, and performance optimization. These technical components are crucial for ensuring the functionality, efficiency, and immersive experience of Hulapi while highlighting its adherence to the Filipino language and culture.

**REASONING BEHIND...?****THEME:**

The theme of Hulapi revolves around the Filipino language and culture, providing an engaging way for players to interact with and appreciate the richness of the Filipino language.

**MECHANICS:**

The mechanics of Hulapi mirror those of Wordle, offering a familiar and accessible gameplay experience while incorporating elements specific to the Filipino language, such as using Filipino words and letters.

**FILIPINO ELEMENTS:**

**Word Selection:** The game uses Filipino words as the target vocabulary, promoting the use and understanding of the Filipino language.

**Feedback System:** The feedback system utilizes colors to indicate correct and incorrect letters, facilitating players' comprehension and deduction while maintaining a Filipino-centric experience.

**Cultural Representation:** By incorporating Filipino words, themes, and design elements, Hulapi celebrates the linguistic and cultural diversity of the Philippines, making the game more relatable and enjoyable for Filipino players.

**Overall,** Hulapi provides an entertaining and educational experience, combining the challenge of word puzzles with the richness of the Filipino language and culture.

**GAMEPLAY MECHANICS:**

**Hidden Word:** The game selects a Filipino word as the target word.

**Player Input:** Players enter a guess for the word using Filipino letters (A-Z). The word length is fixed.

**Feedback:** After each guess, the game provides feedback:

■ **Green letters:** Correct letter in the correct position.

■ **Yellow letters:** Correct letter but in the wrong position.

■ **grey letters:** Incorrect letter.

**Limited Attempts:** Players have six attempts to guess the word.

**Scoring:** Players aim for the highest score possible, with each correct guess adding to their score.

**REFERENCE:**

<https://github.com/raymelon/tagalog-dictionary-scraper>

<https://wordlegame.org/>

<https://flutter.dev/games>

**MEMBERS:**

SALAZAR, BONIFACIO B.

QUINTO, DONN JAYSON

VIERNES, JAXYL

RAMOS, KEANNU ANGELOT.

