### PANGASINAN STATE UNIVERSITY

**Urdaneta City Campus** 



## College of Computing INFORMATION TECHNOLOGY DEPARTMENT

Elective 2 (MAD 2) Mobile Application Development 2 Midterm Project

GameDev using Flutter Casual Games Tookit

Title: ISKOLAR SHOWDOWN
Game genre: Archade game

#### **BACKGROUND**

Iskolar Showdown brings a fresh twist to the classic Street Fighter game by blending the martial arts mastery of Filipino young scholars. Instead of traditional fighters, players step into the shoes of university students, each representing a different field of unique skills and knowledge. This thrilling battle takes place in iconic landmarks in the Philippines.

#### **DESIGN AND DEVELOPMENT PROCESS**

The initial phase involved brainstorming sessions to conceptualize the game's core mechanics, character roster, fighting styles, themes, animations, and other elements. The goal was to create a game that seamlessly integrated the competitive spirit of an Iskolar but in a Street Fighter-like manner.

#### Gameplay Mechanics

The gameplay mechanics were developed to emulate the fluid and strategic combat of Street Fighter. Special moves and combos were designed akin to those found in the Filipino Street Fighter, offering players a diverse array of techniques to master and execute during intense battles.

#### • Characters Of The Game

Each character was meticulously designed, inspired by real-world university students and the academic fields they represent. The Iskolars showcase different perspectives on their battles to aim for victory.

#### Animation

Animations were created to showcase each character's unique fighting techniques and academic-themed attacks, adding depth and immersion to the battles.

#### **FILIPINO ELEMENTS**

#### Images/Backgrounds

Popular tourist spots in the Philippines serve as the backdrop for our game battles, showcasing the country's breathtaking landmarks.

#### Language

Filipino language is integrated into the game to ensure that local players feel right at home.

#### • Characteristics

The characters in the game each embody unique perspectives and demonstrate unwavering determination in their pursuit of their dreams. This characteristic trait reflects Filipino culture and values.

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#### Weapon

One of the characters in the game wields a "walis tambo," a traditional Filipino broom.

#### Song

The game's soundtrack features music created by various Filipino tribes, as well as songs like "Puso" by the Filipino band Spongecola, enriching the game with authentic Filipino culture.

#### **TECHNICAL REQUIREMENTS**

In Iskolar Showdown, Flame Audio was utilized to integrate audio both within the dashboard and during gameplay. By leveraging Flame Audio, developers seamlessly incorporated sound effects, background music, and character voices throughout the gaming experience. This ensured a cohesive audio experience for players, enhancing their immersion in the game's atmosphere and intensifying the excitement of battles within Iskolar Showdown.

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