

Brief Report on Sangitam

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1 Basic Description

Sangitam is a 2D rhythm-based game centered around Carnatic music. It transforms names into sequences of swaras (notes) and involves navigating a character to match these swaras with incoming pillars, thus creating a unique melody.

2 Game Genre and Audience

The game falls under the Music, Rhythm, and Arcade genres. It targets Carnatic music enthusiasts, rhythm game fans, casual gamers, and individuals interested in cultural musical expressions.

3 Gameplay Overview

Players input a name, which is then converted into a Carnatic swara sequence. The main objective is to fly a character, moving diagonally at 45 degrees, to touch correctly sequenced swara pillars. Failing to match the sequence results in game over. The gameplay loop is simple and engaging, with increasing complexity and speed over time.

4 Controls

The primary control is the space bar, which is used to change the character's direction diagonally. This simple control mechanism makes the game accessible yet challenging.

5 Visual and Audio Elements

- **Visuals:** The game features vibrant colors and traditional Indian art influences, creating an immersive experience that reflects Carnatic musical elements.
- **Audio:** Authentic Carnatic compositions are integrated, with real-time feedback as the character interacts with swara pillars.

6 Technical Aspects

- **Target Hardware:** The game is designed for PC, with keyboard input methods.
- **Development Tools:** Developed using the GODOT 4 engine, ensuring compatibility across various devices.
- **Network Requirements:** Internet connectivity is required for accessing scoreboards and cloud save features.



Figure 1: Menu Page

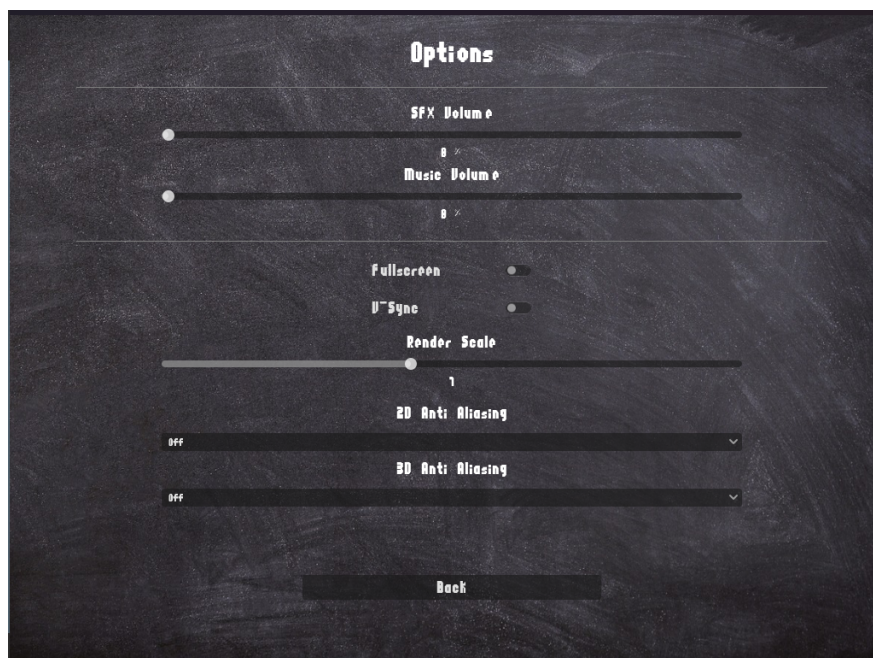


Figure 2: Options Page



Figure 3: Level Select Page

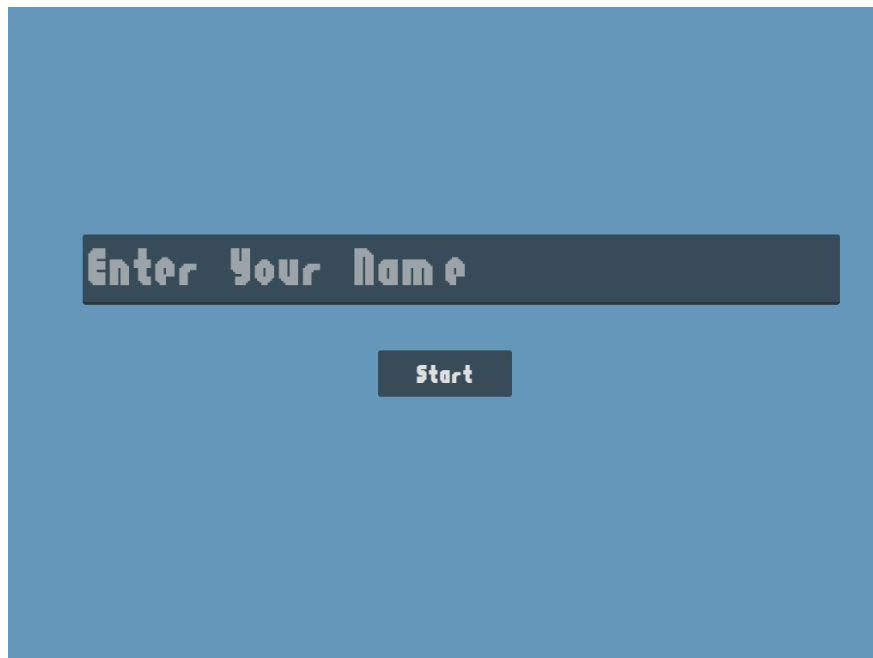


Figure 4: Enter Name Page



Figure 5: GamePlay



Figure 6: Pause Menu

7 Conclusion

Sangitam offers a unique blend of music and gameplay, celebrating Carnatic music through an interactive and engaging format. Its simple yet challenging mechanics, combined with rich cultural art and music, make it a distinctive entry in the rhythm game genre.