ANIMATION TECHNIQUES FOR 3D THAI TRADITIONAL GAME

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ABSTRACT
Currently, Thai Traditional playing is almost disappearing. Thus, the main objective of this study is to conserve the Thai Traditional playing for the next generation to learn Thai Traditional playing online. Three-Dimensional Thai Traditional Game is the one of activities that is very beneficial in term of an entertainment and learning. The programming development of this game based on Macromedia flash and Interactive 3D games using Dark Professinal Basic. The number of players is only one player or more that is based on the type of playing. 37 students about 84.3% who play this game are very satisfaction. It can be concluded that the technology can apply for conserve the Thai Traditional playing sustainabilty.

Keywords: Thai Traditional playing, online game, DarkBASIC Professional

1. INTRODUCTION
The most importantly the process of creating the games should be fun and easy. The game development tools can achieve impressive end results within a fraction of the development time and cost of other languages. Flash is an interactive platform that has a powerful design and animation tool along with a dynamic scripting engine bitmap rendering as well as advanced video and audio playback. There are three main aspects: the player the file format and the authoring tool/IDE. Flash games can be developed for websites interactive TV as well as handheld devices. There is no need to adopt multiple programming languages to build games.
The development of multimedia is driven the complex games. Flash enables developers to build the most popular games for online gamers. There are three main areas: design development and hosting. The game development will be done in Flash by importing graphics created in Freehand and Fireworks. The graphics are then placed in Director the parent tool of Flash. The next part hosting uses a Web server. Dreamweaver MX is the tool that will create Web pages to host the game. And finally Action Script is used to provide enhanced functionality.
Thus, the main objective of this study is to develop the Animation techniques for 3D Thai Traditional Game using Macromedia flash and Dark Professinal Basic.

2. METHODOLOGY
The Three-Dimensional Thai Traditional Game divided into 3 parts as shown in Figure 1.

From Figure 1, part 1: the Basic knowledge of Thai Traditional Game contain all information about 5 Thai Traditional Playings, part 2 : there are two games that is Interactive 3D games and 2D game online to Thai
Traditional Game Practices and part 3: there are more than 10 questions for testing the knowledge of Thai Traditional Game.

Animation techniques for 3D Thai Traditional Game Practices consisted of several steps as following:
1. Data collection in the basic knowledge of Thai Traditional Game
2. Interactive 3D game to Thai Traditional Game Practices Program structure design as shown in Figure 2.
3. Screen and actors development design as shown in Figure 3.
4. Testing development design

Figure 2: Interactive 3D games to Thai Traditional Game Practices Program structure
Figure 3: Screen and actors design
Integrates almost all features for developing a game is a great interactive learning practices tool. To develop the tutorials inline is shown in Figure 4 that can be used as guides. Flash interface is ideally suited to both designer as well as developer who have fun while creating the game. To apply to a level production pipeline for games. By the end of the program, we had identified steps to test the understand of Thai Traditional game to produce a great deal of ownership for improvements to the kids doing the playing interactive games as shown in Figure 5.

![Figure 4: Basic knowledge of Thai Traditional game](image)

![Figure 5: Testing for understanding the Thai Traditional game](image)
3. RESULTS AND CONCLUSION
To develop a visual application to the main form using the form designer and positioned them according to the required layout. To customized the skin of the MainMenu control, by changing the background image and some style properties. The results from 37 students who play this game are very satisfaction about 84.3%. It can be concluded that the technology can apply for conserve the Thai Traditional playing sustainability.

4. OVERALL CONCLUSIONS
Each tutorial is followed by a 3D graphics professional in order to provide insight and additional advice on particular interactive 3D techniques. In building Interactive Worlds in 3D games required to build simulations and interactions, utilize virtual cameras, virtual actors (with self-determined behaviors), and real-time physics including gravity, collision, and topography. The study is dynamic enough to give both those with a programming background as well as those who are just getting their feet wet challenging and engaging in virtual set design.

5. REFERENCES