BASKETBALL BOUNCE

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Version: 1.0

Overview

Basketball Bounce is an easy, fun, competitive game in which the player must bounce a basketball in between hoops. These hoops extend from the ceiling and the floor of the game window. In order to avoid hitting the hoops, the ceiling, and the floor, the player bounces the basketball to avoid these obstacles. The main goal from this project is for the player to be able to compete against himself/herself, friends, and/or family. It's easy enough for all ages to play and master.

Game Description

Objective – The objective of Basketball Bounce is to bounce the basketball in between the hoops and away from the ceiling and the floor of the game window.

Gameplay – The game opens up with a start menu. This menu has four buttons:

1. Easy Mode
   a. Easy Mode has hoops that are further apart from each other. The hoops also move at a slower pace.
2. Hard Mode
   a. Hard Mode has hoops that are closer together to each other. The hoops also move at a quicker pace.
3. Quit
   a. Quits the game.
4. Help
   a. Displays a "How to Play" menu.

The start menu also includes the Easy High Score and the Hard High Score, which stores the player's high score in each game mode.

Easy and Hard buttons begin the game. Once the game is started, the player will notice a scoreboard which displays the current score. With each gap cleared, the score will increase by one. The current high score is also displayed.

When the basketball collides with either a hoop, the ceiling, or the floor of the game window, the game will promptly end and send the player back to the start menu. If a high score was achieved, the menu will display the newly acquired high score.

Controls – The mouse is used to point at and click each of the buttons on the start menu and Help menu. The spacebar is used to bounce the basketball within the game.

Assets Used

- Images
    1. Background arena image
       https://www.pinterest.com/pin/56365432825316947/

- Sound files
    1. Background Music "Basketball (Instrumental) - Kurtis Blow"

       https://www.youtube.com/watch?v=QkhR6AB_eEk

    2. Blip sound effect – Zapsplat

       https://www.zapsplat.com/music/multimedia-game-blip-generic-tone-8/

    3. Buzzer sound effect – Orange Free Sounds

       https://orangefreesounds.com/buzzer-sports-arena/

User Menu

Choose either Easy or Hard mode. The gameplay in each mode is the same: bounce the basketball through the gaps in between the hoops by using the spacebar. If the ball hits the top or bottom of the game window, the buzzer sounds and the game promptly ends. The high score, if acquired, is saved and printed to the home screen.