Snake Game Documentation

Description

Overview

This game involves controlling a single block or snakehead by turning only left or right by ninety degrees until you manage to eat an apple. When you get the apple, the Snake grows an extra block or body segment. When the snake accidentally eats himself, the game is over. The more apples the snake eats the higher the score.

The game is comprised of multiple classes that performs unique functionalities and contributes to the smooth execution of different events

The Main Menu

The main Menu is comprised of 5 elements that comes in terms of button click events that take you to different screens depending on the need of the user.

1.Start Game: The start game option when clicked using the ENTER KEY on the keyboard allows you to go straight to game so that you can start playing. While playing you will have to move the arrow keys (left, right, up, and down) as you follow the snake food. In case of a collision, the game ends and you are presented with a few options of the way forward.

2.Help: This option when clicked using the ENTER KEY on the keyboard presents you with explicit steps of guidance on how to play the game

3.HighScore: This option when clicked using the ENTER KEY on the keyboard, presents you with the highest scores of the users which is based on the data that was saved and stored based on the users highest score of their games.

4.About: This option when clicked using the ENTER KEY on the keyboard and provides the key information that the user needs to know about the game.

5.Quit: this option when pressed using the ENTER KEY exits the game

Section 2: Class Diagram

Diagram

Description automatically generated

Section 3: References

**IMAGES:**

Snake Tail:

<https://i.pinimg.com/236x/f0/a7/c9/f0a7c9d256bd6819de3b38eab535c051.jpg>

Snake Head:

<https://i1.wp.com/nmc-mic.ca/wp-content/uploads/2015/11/Colour-block-red.png?fit=300%2C225&ssl=1>

Explosion:

From Week 11 Content – Animation Demo

**SOUNDS:**

Game Theme Sound:

<https://freesound.org/people/edwardszakal/sounds/514155/>

Explosion Sound:

<https://www.freesoundeffects.com/free-sounds/explosion-10070/>

Bite Sound:

<https://freesound.org/people/misato/sounds/195139/>

**VIDEOS USED FOR IDEA EXPANSION:**

<https://www.youtube.com/watch?v=NAKAGw9Lrk0>

<https://www.youtube.com/watch?v=toO3F1yolNk>