Owen Liang

CISC 3667

Prof. Kletenik

May 7, 2023

Blue Balloons

1. Layered background – background object(Sky), grass object(grass), ground object(grass block)
2. At least one image – sky, walls, pin, bird, balloon, etc.
3. A player-controlled sprite – imported player but, script is modified for this specific game.(PlayerMovement.cs)
4. A balloon sprite with automatic movement – the balloon moves randomly, and it also bounces when it collides with other balloons(Balloon.cs)
5. The ability for the player to shoot pins at the enemy – Pin.cs, PinMovement.cs, PlayerMovement.cs
6. Collision detection of pins, using tags so that a player does not pop himself with his own bullets – Pin.cs
7. Sound effect on collisions – balloon popping sound when balloon hit by a pin and hawk sound when bird is hit by a pin.
8. Displayed score for player – text that shows every level what their score is.
9. Increasing size of balloon and impact on score – GameManager.cs, Balloon.cs
10. At least one distractor - Bird
11. At least three levels in increasing order of difficulty – Every level decreases the number of balloons and shows more distractions(birds)
12. Scene transitions – GameManager.cs
13. Directions – included a ? button that explains what to do and tutorial button in the main menu.
14. Settings – included in the pause menu accessible via esc and button, also available in main menu.
15. Menu – Main Menu scene
16. Pause/Resume and link back to menu – Available in Pause Menu Scene
17. Some other UI – Available in main menu and pause menu.
18. A data item that persists from scene to scene – high score text
19. A second data item that persists – name input.
20. High scores – End Scene that displays.
21. Animation #1 – Balloons popping.
22. Animation #2 – UI buttons in main menu
23. Difficulty – **Normal Mode**(Score is displayed each level, hit any bird you only lose points), **Hard Mode**(Score is only displayed at the end and difficulty starts at level 3 of Normal mode, and hit 5 bird hits lose the game), **Expert Mode**(Score is only displayed at the end, difficulty of level 3 Normal mode, and hit one bird lose the game).

Locations(Scenes) of each component(may show in multiple scenes):

All Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 18, 19, 22

Main Menu: 14 ,15, 17, 20, 23

Tutorial: 13

Pause Menu: 14, 16

End: 18, 19, 20

What I am missing:

13, 16, 20, 21, 22, 23

Nothing