Project Description of Maze Runner Duck

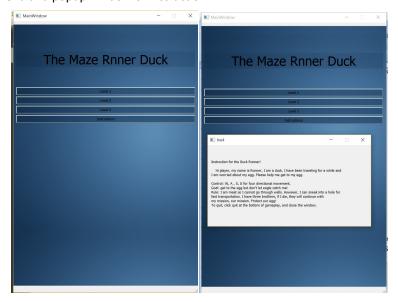
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Interface:

In this project, I plan to use the blueprint of the numberMuncher and evolve from it a new game called the Maze Runner Duck.

Main menu and popup window of instruction:



• If any level chosen (in this case level 2, the game starts. An eagle is chasing duck, and duck can move with W,A,S,D keyboard keys.



 If the duck get caught by the eagle, a life is lost(duck calls his buddie, but the eagle continues its pursuit). In addition, the duck can go through "holes" but not "walls".



• Winning conditions: if duck reaches egg, game proceeds to next level. If it reaches egg in last level, game ends with display of "You Won!".



 Losing condition: if there is no life left, game ends with popup window displaying "Game Over". Player can choose to "Play Again" or "Quit".



• If click on "Try Again", a new game at current level starts. Otherwise, if user click on "Quit" at the bottom, it returns to main menu.



Logic:

- The user should control the duck to reach its egg, but it cannot go over or onto the wall. However, it can use the portal to transfer itself to a new location.
- The user should use arrow keys.
- Every label on the grid has a (x,y) coordinate that keeps track of all the objects.
- It the duck hits the coordinate of wall, nothing changes but a message warning is displayed.
- If it reaches egg, game proceed to next level
- If hawk reaches duck, game over window pops up