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#include <windows.h>
    #include <time.h>
    #include <string.h>
   #define SCREEN Y 25
    int health = 10;
10 bool play = true;
11 int color = 7, pos[2] = {SCREEN_X / 2,SCREEN_Y-1 };
13 HANDLE wHnd;
14 HANDLE rHnd;
15 DWORD fdwMode;
16 COORD bufferSize = { SCREEN_X, SCREEN_Y };
17 SMALL_RECT windowSize = { 0, 0, SCREEN_X - 1, SCREEN_Y - 1 };
18 CHAR_INFO consoleBuffer[SCREEN_X * SCREEN_Y];
20 COORD star[scount];
21 COORD ship;
      fdwMode = ENABLE_EXTENDED_FLAGS | ENABLE_WINDOW_INPUT | ENABLE_MOUSE_INPUT;
      SetConsoleMode(rHnd, fdwMode);
    wHnd = GetStdHandle(STD_OUTPUT_HANDLE);
    SetConsoleWindowInfo(wHnd, TRUE, &windowSize);
SetConsoleScreenBufferSize(wHnd, bufferSize);
    void clear_buffer()
         for (int x = 0; x < SCREEN_X; x++)
           consoleBuffer[x + SCREEN_X * y].Char.AsciiChar = ' ';
consoleBuffer[x + SCREEN_X * y].Attributes = 7;
      WriteConsoleOutputA(wHnd, consoleBuffer, bufferSize, characterPos, &windowSize);
   void init_star()
         star[i] = { (SHORT)(rand() % SCREEN_X),(SHORT)(rand() % SCREEN_Y) };
         if (star[i].Y >= SCREEN_Y - 1)
           star[i].X = rand() % SCREEN_X;
         star[i].Y = 1;
           star[i].Y += 1;
      for (int i = 0; i < scount; i++)
        consoleBuffer[star[i].X + SCREEN_X * star[i].Y].Char.AsciiChar = '*';
consoleBuffer[star[i].X + SCREEN_X * star[i].Y].Attributes = 7;
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ship = { (SHORT)x,(SHORT)y };
                  ship = { (SHORT)x,(SHORT)y };
consoleBuffer[ship.X + SCREEN_X * ship.Y].Char.AsciiChar = '<';
consoleBuffer[ship.X + 1 + SCREEN_X * ship.Y].Char.AsciiChar = '-';
consoleBuffer[ship.X + 2 + SCREEN_X * ship.Y].Char.AsciiChar = '>';
consoleBuffer[ship.X + 2 + SCREEN_X * ship.Y].Attributes = color;
consoleBuffer[ship.X + 1 + SCREEN_X * ship.Y].Attributes = color;
consoleBuffer[ship.X + 2 + SCREEN_X * ship.Y].Attributes = color;
                           if ((star[i].X == ship.X || star[i].X == ship.X + 1 || star[i].X == ship.X + 2) && star[i].Y == ship.Y)
                                 health--;
                                 star[i].X = rand() % SCREEN_X;
                                 star[i].Y = rand() % SCREEN_Y;
                            if (health == 0)
                                 play = false;
   117 int main()
118 {
119    DWORD numEvents = 0;
120    DWORD numEventsRead = 0;
131    srand(time(NULL));
132    srand(time(NULL));
133    srand(time(NULL));
134    srand(time(NULL));
135    srand(time(NULL));
136    srand(time(NULL));
137    srand(time(NULL));
138    srand(time(NULL));
139    srand(time(NULL));
149    srand(time(NULL));
149 
                     while (play)
                        GetNumberOfConsoleInputEvents(rHnd, &numEvents);
                           if (numEvents != 0)
                                  INPUT_RECORD* eventBuffer = new INPUT_RECORD[numEvents];
                                  ReadConsoleInput(rHnd, eventBuffer, numEvents, &numEventsRead);
                                  for (DWORD i = 0; i < numEventsRead; i++)</pre>
                                       if (eventBuffer[i].EventType == KEY_EVENT
   && eventBuffer[i].Event.KeyEvent.bKeyDown == true)
                                             if (eventBuffer[i].Event.KeyEvent.wVirtualKeyCode == VK_ESCAPE) {
                                                play = false;
                                             color = 1 + rand() % 9;
}
                                             if (eventBuffer[i].Event.KeyEvent.uChar.AsciiChar == 99) {
                                        else if (eventBuffer[i].EventType == MOUSE_EVENT)
                                             int posx = eventBuffer[i].Event.MouseEvent.dwMousePosition.X;
int posy = eventBuffer[i].Event.MouseEvent.dwMousePosition.Y;
                                             if (eventBuffer[i].Event.MouseEvent.dwButtonState &&
                                                   color = 1 + rand() \% 9;
                                              else if (eventBuffer[i].Event.MouseEvent.dwEventFlags && MOUSE_MOVED) {
                                                pos[0] = posx;
pos[1] = posy;
                                 delete[] eventBuffer;
                          fill_ship_to_buffer(pos[0], pos[1], color);
fill_buffer_to_console();
                          Sleep(100);
```

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