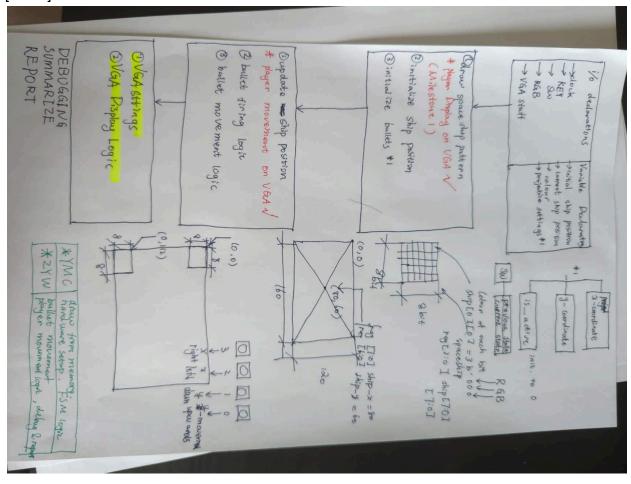
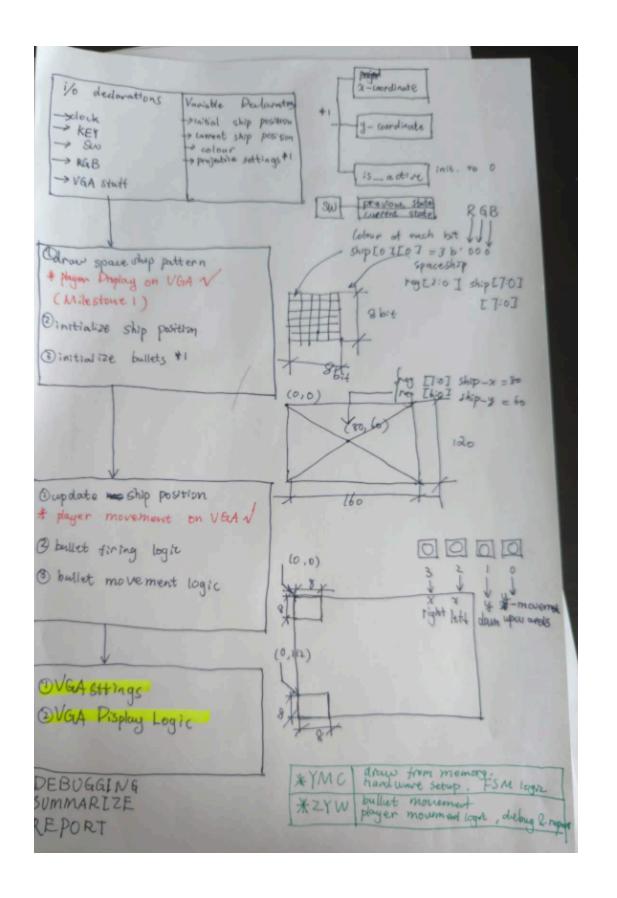


## [Photo]





```
mount (CCC.10),
| most (CCC.10),
| most
```

```
# Topic content (1997) is growthing as 1997 (1997) is growthing as the projective and the projective as the projective a
```

```
if (current_x == 159)
            begin
            current_x <= 0;
            if (current_y == 119)
    current_y <= 0;</pre>
                 current_y <= current_y + 1;</pre>
            begin
            current_x <= current_x + 1;</pre>
      // Set color based on whether the current pixel is within the spaceship or projectile area colour <= 3'b000; // Default background color
     // Check if current pixel is within any active projectile for (i = 0; i < MAX_PROJECTILES; i = i + 1)
       begin
    if (projectile_active[i] && current_x == projectile_x[i] && current_y == projectile_y[i])
              begin
                 colour <= 3'b111; // White color for projectile
      end
      // Check if current pixel is within the spaceship area
if (current_x >= spaceship_x && current_x < spaceship_x + 8 &&
current_y >= spaceship_y && current_y < spaceship_y + 8) begin
           colour <= spaceship_pattern[current_y - spaceship_y][current_x - spaceship_x];</pre>
     .resetn(1'b1),
      .clock(CLOCK_50),
      .colour(colour),
      .x(current_x),
      .y(current_y),
      .plot(1'b1),
      .VGA_R(VGA_R),
      .VGA_G(VGA_G),
      .VGA_B(VGA_B),
      .VGA_HS(VGA_HS),
.VGA_VS(VGA_VS),
.VGA_BLANK_N(VGA_BLANK_N),
      .VGA_SYNC_N(VGA_SYNC_N),
      .VGA_CLK(VGA_CLK)
// VGA adapter configuration parameters
defparam VGA.RESOLUTION = "160x120";
defparam VGA.MONOCHROME = "FALSE";
defparam VGA.BITS_PER_COLOUR_CHANNEL = 1;
defparam VGA.BACKGROUND_IMAGE = "NONE"; // Black background endmodule
```