**Solar-System**

**Code:**

**Html**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>

  <title>Solar System Animation</title>

  <link rel="stylesheet" href="solar.css" />

</head>

<body>

  <div class="solar-system">

    <div class="sun"></div>

    <!-- Planets -->

    <div class="orbit mercury-orbit">

      <div class="planet mercury"></div>

    </div>

    <div class="orbit venus-orbit">

      <div class="planet venus"></div>

    </div>

    <div class="orbit earth-orbit">

      <div class="planet earth"></div>

    </div>

    <div class="orbit mars-orbit">

      <div class="planet mars"></div>

    </div>

  </div>

</body>

</html>

**Css:**

body {

    margin: 0;

    background-color: black;

    overflow: hidden;

  }

  .solar-system {

    position: relative;

    width: 100vw;

    height: 100vh;

    display: flex;

    justify-content: center;

    align-items: center;

  }

  .sun {

    width: 100px;

    height: 100px;

    background: yellow;

    border-radius: 50%;

    box-shadow: 0 0 50px 20px yellow;

    position: absolute;

    z-index: 10;

  }

  /\* Common orbit styles \*/

  .orbit {

    position: absolute;

    border: 1px dashed rgba(255,255,255,0.2);

    border-radius: 50%;

    animation: rotate 10s linear infinite;

  }

  .planet {

    position: absolute;

    top: 50%;

    left: 100%;

    transform: translate(-50%, -50%);

    border-radius: 50%;

  }

  /\* Planet Specifics \*/

  .mercury-orbit {

    width: 150px;

    height: 150px;

    animation-duration: 5s;

  }

  .mercury {

    width: 10px;

    height: 10px;

    background: gray;

  }

  .venus-orbit {

    width: 200px;

    height: 200px;

    animation-duration: 8s;

  }

  .venus {

    width: 14px;

    height: 14px;

    background: orange;

  }

  .earth-orbit {

    width: 260px;

    height: 260px;

    animation-duration: 12s;

  }

  .earth {

    width: 16px;

    height: 16px;

    background: blue;

  }

  .mars-orbit {

    width: 320px;

    height: 320px;

    animation-duration: 18s;

  }

  .mars {

    width: 12px;

    height: 12px;

    background: red;

  }

  /\* Rotation animation \*/

  @keyframes rotate {

    0% { transform: rotate(0deg); }

    100% { transform: rotate(360deg); }

  }

**Traffic signal animation**

**Code:**

**Html:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Traffic Signal</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<div class="signal-box">

<div class="light red"></div>

<div class="light yellow"></div>

<div class="light green"></div>

</div>

</body>

</html>

**Css:**

/\* Reset \*/

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

background-color: #111;

height: 100vh;

display: flex;

justify-content: center;

align-items: center;

}

/\* Signal Box \*/

.signal-box {

width: 100px;

height: 300px;

background-color: #333;

border-radius: 20px;

padding: 20px;

display: flex;

flex-direction: column;

justify-content: space-between;

box-shadow: 0 0 20px rgba(255,255,255,0.1);

}

/\* Lights \*/

.light {

width: 60px;

height: 60px;

border-radius: 50%;

background-color: #111;

margin: auto;

box-shadow: inset 0 0 10px rgba(0,0,0,0.5);

}

/\* Red Light Animation \*/

.red {

animation: redGlow 6s infinite;

}

@keyframes redGlow {

0%, 33% {

background-color: red;

box-shadow: 0 0 20px red;

}

34%, 100% {

background-color: #111;

box-shadow: none;

}

}

/\* Yellow Light Animation \*/

.yellow {

animation: yellowGlow 6s infinite;

}

@keyframes yellowGlow {

34%, 50% {

background-color: yellow;

box-shadow: 0 0 20px yellow;

}

0%, 33%, 51%, 100% {

background-color: #111;

box-shadow: none;

}

}

/\* Green Light Animation \*/

.green {

animation: greenGlow 6s infinite;

}

@keyframes greenGlow {

51%, 100% {

background-color: green;

box-shadow: 0 0 20px green;

}

0%, 50% {

background-color: #111;

box-shadow: none;

}

}

**Home-Page Created**

**Code:**

**Html:**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>

  <title>Team Jesper</title>

  <link rel="stylesheet" href="Home-page.css">

  <script src="https://cdnjs.cloudflare.com/ajax/libs/gsap/3.12.2/gsap.min.js"></script>

</head>

<body>

  <header>

    <nav class="navbar">

      <div class="logo">JESPER</div>

      <ul class="nav-links">

        <li><a href="#">Home</a></li>

        <li><a href="#">About</a></li>

        <li><a href="#">Streams</a></li>

        <li><a href="#">Contact</a></li>

      </ul>

    </nav>

  </header>

  <section class="hero">

    <div class="hero-img">

      <img src="soldier.jpg" alt="Soldier" />

    </div>

    <div class="hero-text">

      <h1><span>TEAM</span> <strong>JESPER</strong></h1>

      <p>We are a gaming team, owning anyone and anything in our way in the field of FPS shooter games. Join us in our way to glory!</p>

      <button>WATCH OUR STREAM</button>

    </div>

  </section>

  <script src="script.js"></script>

</body>

</html>

**Css:**

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

  }

  body {

    font-family: 'Segoe UI', sans-serif;

    background-color: #0e0e0e;

    color: #fff;

    overflow-x: hidden;

  }

  .navbar {

    display: flex;

    justify-content: space-between;

    align-items: center;

    padding: 20px 60px;

  }

  .logo {

    font-size: 1.8rem;

    font-weight: bold;

    color: white;

  }

  .nav-links {

    display: flex;

    list-style: none;

    gap: 30px;

  }

  .nav-links a {

    color: white;

    text-decoration: none;

    position: relative;

  }

  .nav-links a:hover,

  .nav-links a.active {

    color: #fbbf24;

  }

  .hero {

    display: flex;

    align-items: center;

    justify-content: space-between;

    padding: 60px;

  }

  .hero-img img {

    max-width: 700px;

    filter: drop-shadow(0 0 20px rgba(255, 255, 255, 0.2));

  }

  .hero-text {

    max-width: 500px;

  }

  .hero-text h1 {

    font-size: 3.5rem;

    margin-bottom: 20px;

  }

  .hero-text h1 span {

    display: block;

    font-weight: 300;

  }

  .hero-text h1 strong {

    color: #fbbf24;

    font-weight: 900;

  }

  .hero-text p {

    font-size: 1rem;

    color: #ccc;

    margin-bottom: 30px;

  }

  .hero-text button {

    padding: 15px 30px;

    background-color: #fbbf24;

    border: none;

    color: black;

    font-weight: bold;

    font-size: 1rem;

    cursor: pointer;

    border-radius: 5px;

    transition: 0.3s;

  }

  .hero-text button:hover {

    background-color: #e0a800;

  }

**Javascript(gsap):**

gsap.from(".logo", { y: -50, opacity: 0, duration: 1 });

gsap.from(".nav-links li", { y: -50, opacity: 0, duration: 1, stagger: 0.2 });

gsap.from(".hero-img img", {

  x: -100,

  opacity: 0,

  duration: 1.5,

  delay: 0.5,

});

gsap.from(".hero-text h1", {

  x: 100,

  opacity: 0,

  duration: 1,

  delay: 0.6,

});

gsap.from(".hero-text p", {

  x: 100,

  opacity: 0,

  duration: 1,

  delay: 0.8,

});

gsap.from(".hero-text button", {

  y: 20,

  opacity: 0,

  duration: 1,

  delay: 1,

});