

ASSIGNMENT – 3

/*HTML*/

```
<!DOCTYPE html>

<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0"/>
<title>Cosmic Certificate Verifier</title>
<link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;700&display=swap" rel="stylesheet">
<style>
    html, body {
        margin: 0;
        padding: 0;
        font-family: 'Inter', sans-serif;
        background: radial-gradient(ellipse at center, #0f2027, #203a43, #2c5364);
        height: 100vh;
        overflow: hidden;
    }
    #bg-canvas {
        position: absolute;
        top: 0; left: 0;
        width: 100%;
        height: 100%;
        z-index: 0;
    }
    #solar-system {
        position: absolute;
        left: 50%;
        top: 50%;
        transform: translate(-50%, -50%);
        z-index: 1;
    }
}
```

```
}

.orbit {
    position: absolute;
    border: 1px dashed rgba(255,255,255,0.15);
    border-radius: 50%;
    transform-origin: center center;
}

.planet {
    position: absolute;
    background-size: cover;
    border-radius: 50%;
}

@keyframes rotate { to { transform: rotate(360deg); } }

.container {
    position: relative;
    z-index: 3;
    width: 420px;
    max-width: 90%;
    margin: 30px auto 0;
}

#logo {
    max-width: 35px;
    max-height: 35px;
    margin-right: 20px;
}

.verifier-box, .certificate-card {
    background: rgba(20,20,35,0.9);
    border-radius: 20px;
    padding: 40px 30px;
    color: white;
    backdrop-filter: blur(8px);
    box-shadow: 0 0 30px rgba(255,255,255,0.05);
}
```

```
animation: fadeIn 0.5s ease;  
}  
  
.verifier-box {  
margin-top: 55%;  
}  
.certificate-card {  
display: none;  
margin-top: 23%;  
}  
@keyframes fadeIn { from { opacity:0; transform:translateY(10px); } to { opacity:1; transform:translateY(0); } }  
  
.verifier-box h1, .certificate-card h2 {  
text-align: center;  
font-size: 26px;  
margin-bottom: 20px;  
}  
label {  
font-weight: 600;  
color: #ccc;  
margin-bottom: 8px;  
display: block;  
}  
input {  
width: 90%;  
margin-bottom: 20px;  
padding: 14px;  
background: #1a1a2a;  
border: 1px solid #333;  
border-radius: 10px;  
color: white;  
font-size: 16px;  
}  
button {
```

```
width: 100%;  
padding: 14px;  
font-size: 16px;  
border: none;  
border-radius: 10px;  
background: linear-gradient(135deg, #3e61ff, #ab47bc);  
color: white;  
font-weight: bold;  
cursor: pointer;  
box-shadow: 0 4px 20px rgba(100,100,255,0.3);  
transition: transform 0.2s;  
}  
  
button:hover { transform: translateY(-1px); }
```

```
#lightning-spinner {  
display: none;  
margin: 20px auto;  
width: 60px;  
height: 60px;  
background: radial-gradient(circle, #fff, rgba(255,255,255,0) 70%);  
border-radius: 50%;  
position: relative;  
overflow: hidden;  
}  
  
#lightning-spinner::before, #lightning-spinner::after {  
content: " ";  
position: absolute;  
top: 0; left: 0;  
width: 100%; height: 100%;  
background: inherit;  
border-radius: inherit;  
opacity: 0.6;  
transform: scale(0);  
animation: bolt 1s infinite;
```

```
}

#lightning-spinner::after { animation-delay: 0.5s; }

@keyframes bolt {

  0% { transform: scale(0); opacity: 0.6; }

  50% { transform: scale(1.3); opacity: 0; }

  100% { transform: scale(0); opacity: 0; }

}

#lightning-spinner.active { display: block; }

.certificate-photo {

  width: 130px; height: 130px;

  border-radius: 8px;

  margin: 0 auto 20px;

  display: block;

}

.certificate-info p {

  margin: 6px 0;

  color: #ddd;

}

.assignments span {

  display: inline-block;

  background: rgba(255,255,255,0.1);

  padding: 6px 10px;

  border-radius: 6px;

  margin: 4px 4px 0 0;

  color: white;

  font-size: 14px;

}

.certificate-card a {

  display: inline-block;

  margin-top: 12px;

  color: #56ccf2;

  text-decoration: none;

  font-weight: 600;
```

```

        }

.certificate-card a:hover {
    text-decoration: underline;
}

</style>

</head>

<body>

<canvas id="bg-canvas"></canvas>

<div id="solar-system"></div>

<div class="container">

<div class="verifier-box" id="verifyBox">

<h1> Vault of Codes</h1>
<label for="certId">Certificate ID or email</label>
<input type="text" id="certId" placeholder="e.g. ABC123 or example@gmail.com"/>
<button onclick="startVerify()">Verify</button>
<div id="lightning-spinner"></div>
</div>

<div class="certificate-card" id="certCard">

<h2>🎓 Certificate Details</h2>
<img src="" alt="Photo" class="certificate-photo" id="photo">
<div class="certificate-info">
    <p><strong>Name:</strong> <span id="name"></span></p>
    <p><strong>Email:</strong> <span id="email"></span></p>
    <p><strong>Mobile:</strong> <span id="mobile"></span></p>
    <p><strong>Domain:</strong> <span id="domain"></span></p>
    <p><strong>College:</strong> <span id="college"></span></p>
    <p><strong>Start Date:</strong> <span id="start"></span></p>
    <p><strong>Duration:</strong> <span id="duration"></span></p>
    <div class="assignments"><strong>Assignments:</strong> <span id="assigns"></span></div>
    <a href="#" target="_blank" id="certLink">View Certificate</a>
</div>
</div>

```

```
</div>

<script>

const canvas = document.getElementById('bg-canvas');

const ctx = canvas.getContext('2d');

canvas.width = innerWidth;

canvas.height = innerHeight;

const stars = Array(500).fill().map(() => ({
  x: Math.random() * canvas.width,
  y: Math.random() * canvas.height,
  r: Math.random() * 1.2,
  dx: (Math.random() - 0.5) * 0.5,
  dy: (Math.random() - 0.5) * 0.5
}));

function animateStars() {
  ctx.clearRect(0, 0, canvas.width, canvas.height);
  ctx.fillStyle = 'white';
  stars.forEach(s => {
    ctx.beginPath();
    ctx.arc(s.x, s.y, s.r, 0, Math.PI * 2);
    ctx.fill();
    s.x += s.dx;
    s.y += s.dy;
    if (s.x < 0 || s.x > canvas.width) s.dx *= -1;
    if (s.y < 0 || s.y > canvas.height) s.dy *= -1;
  });
  requestAnimationFrame(animateStars);
}

animateStars();

const planets = [
  { size: 42, radius: 140, img: "./mercury.png", period: 6 },

```

```
{ size: 46, radius: 180, img: "./venus.png", period: 8 },
{ size: 50, radius: 240, img: "./earth.png", period: 10 },
{ size: 48, radius: 300, img: "./mars.png", period: 12 },
{ size: 58, radius: 360, img: "./Jupiter.png", period: 14 },
{ size: 54, radius: 420, img: "./Saturn.png", period: 16 },
{ size: 52, radius: 480, img: "./Uranus.png", period: 18 },
{ size: 52, radius: 540, img: "./Neptune.png", period: 20 }

];

const solar = document.getElementById("solar-system");
planets.forEach(p => {
  const orbit = document.createElement("div");
  orbit.className = "orbit";
  orbit.style.width = orbit.style.height = `${p.radius * 2}px`;
  orbit.style.margin = `-${p.radius}px 0 0 -${p.radius}px`;
  orbit.style.animation = `rotate ${p.period}s linear infinite`;

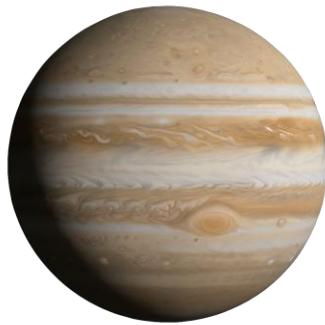
  const planet = document.createElement("div");
  planet.className = "planet";
  planet.style.width = planet.style.height = `${p.size}px`;
  planet.style.top = `-${p.size / 2}px`;
  planet.style.left = `${p.radius - p.size / 2}px`;
  planet.style.backgroundImage = `url(${p.img})`;

  orbit.appendChild(planet);
  solar.appendChild(orbit);
});

function startVerify() {
  const spinner = document.getElementById("lightning-spinner");
  spinner.classList.add("active");
  setTimeout(showCert, 1500);
}
```

```
function showCert() {  
    const data = {  
        name: 'Spidey',  
        email: 'spidey@web.com',  
        mobile: '9876543210',  
        domain: 'Web Development',  
        college: 'Marvel University',  
        start: '01 June 2024',  
        duration: '1 Month',  
        photo: 'https://cdn.pixabay.com/photo/2023/05/16/04/39/ai-generated-7996493_1280.jpg',  
        assignments: [true, false, true, true],  
        certificate: '#'  
    };  
  
    document.getElementById("photo").src = data.photo;  
    ['name', 'email', 'mobile', 'domain', 'college', 'start', 'duration'].forEach(k => {  
        document.getElementById(k).textContent = data[k];  
    });  
    document.getElementById("assigns").innerHTML =  
        data.assignments.map((v,i) => `A${i+1}: ${v ? '✓' : '✗'}`).join(' ');  
    document.getElementById("certLink").href = data.certificate;  
  
    document.getElementById("lightning-spinner").classList.remove("active");  
    document.getElementById("verifyBox").style.display = "none";  
    document.getElementById("certCard").style.display = "block";  
}  
</script>  
</body>  
</html>
```

Assets:



VaultofCodes



Github Link: <https://github.com/Ajay-vetri-NJ/Certificate-Verifier--Space.git>

Host Link: <https://cosmic-certificate-verifier.netlify.app/>

Output Screen Shots:

