INTERNSHIP REPORT WEEK 2 DAY 4

Submitted to:	Ali Hyder	Submission Date:	3 rd July, 2025
Internship Domain:	Front Development	Internship Name:	ProSensia
Student Name:	Yasal Qamar	Roll No.	S25031

CSS Backgrounds, Borders, Shadows, Gradients

Objective of the Day

To explore and apply key CSS visual styling techniques including **backgrounds**, **borders**, **shadows**, and **gradients** — enhancing the visual structure, depth, and modern design appeal of web elements using clean and scalable CSS.

Introduction to CSS

In modern web design, CSS offers powerful visual properties that help create polished and engaging user interfaces. Today's focus was on mastering:

- **Backgrounds** using background-color, background-image, background-repeat, attachment, and position to build layered and dynamic sections.
- **Borders** customizing outlines around elements using style, width, color, and radius for rounding corners.
- **Shadows** applying box-shadow to add depth, highlight focus, and elevate components visually.
- **Gradients** utilizing linear-gradient() and radial-gradient() to create smooth transitions between colors without images.

Key Concepts Learned

1. CSS Backgrounds

- background-color, background-image, background-repeat, background-position, background-size
- Used images and gradients as backgrounds for different containers.

2. CSS Borders

- Customized element borders using border-style, border-width, border-color, and shorthand properties.
- Explored rounded borders using border-radius.

3. CSS Box Shadows

- Applied drop shadows using box-shadow to simulate depth and elevation.
- Practiced layering multiple shadows for realistic effects.

4. CSS Gradients

- Created smooth transitions between colors using:
 - linear-gradient()
 - radial-gradient()
- Used gradients in buttons and background sections for modern design.

1. Example of CSS Background:

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>CSS Background Properties</title>
   <style>
       /* Base Styles */
       body {
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
           margin: 0;
           padding: 0;
           background-color: #eee;
           color: #333;
           line-height: 1.6;
        .container {
           max-width: 1000px;
           margin: 0 auto;
           padding: 20px;
```

```
/* Header with Background Example */
        header {
            background:
                linear-gradient(135deg, rgba(110, 142, 251, 0.8), rgba(167,
119, 227, 0.8)),
                url('https://images.unsplash.com/photo-1557683316-
973673baf926?auto=format&fit=crop&w=1000&q=80');
            background-size: cover;
            background-position: center;
            background-attachment: fixed;
            color: white;
            padding: 60px 0;
            text-align: center;
            margin-bottom: 40px;
            border-radius: 0 0 20px 20px;
        h1 {
            margin: 0;
            font-size: 2.5em;
            text-shadow: 2px 2px 4px rgba(0,0,0,0.3);
        h2 {
            color: #6e8efb;
            margin-top: 40px;
            border-bottom: 2px solid #a777e3;
            padding-bottom: 10px;
        h3 {
            color: #555;
            margin-top: 0;
        /* Property Cards */
        .property-grid {
            display: grid;
            grid-template-columns: repeat(auto-fill, minmax(300px, 1fr));
            gap: 25px;
            margin-top: 30px;
        .property-card {
            background: white;
```

```
border-radius: 10px;
            overflow: hidden;
            box-shadow: 0 5px 15px rgba(0,0,0,0.1);
            transition: transform 0.3s ease;
        .property-card:hover {
            transform: translateY(-5px);
        .demo-box {
            height: 200px;
            border-bottom: 1px solid #eee;
            position: relative;
        .code-box {
            padding: 15px;
            background: #f8f9fa;
            font-family: monospace;
            border-left: 3px solid #6e8efb;
        .explanation {
            padding: 15px;
        /* Specific Background Examples */
        .bg-color {
            background-color: #a777e3;
        .bg-image {
            background-image: url('https://images.unsplash.com/photo-
1519125323398-675f0ddb6308?auto=format&fit=crop&w=300&q=80');
            background-size: cover;
        .bg-repeat {
            background-image: url('https://images.unsplash.com/photo-
1519125323398-675f0ddb6308?auto=format&fit=crop&w=100&q=80');
            background-repeat: repeat;
        .bg-no-repeat {
```

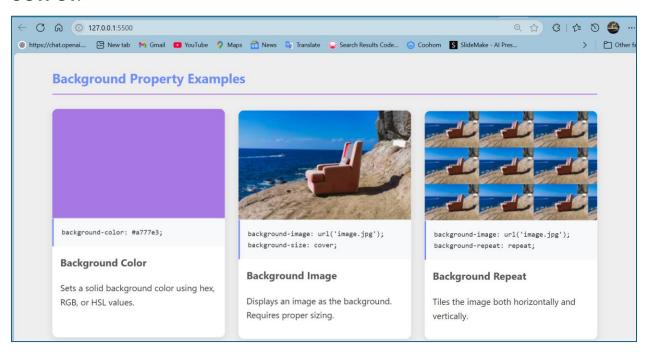
```
background-image: url('https://images.unsplash.com/photo-
1519125323398-675f0ddb6308?auto=format&fit=crop&w=100&q=80');
            background-repeat: no-repeat;
            background-position: center;
        .bg-position {
            background-image: url('https://images.unsplash.com/photo-
1519125323398-675f0ddb6308?auto=format&fit=crop&w=100&q=80');
            background-repeat: no-repeat;
            background-position: bottom right;
        .bg-size-cover {
            background-image: url('https://images.unsplash.com/photo-
1519125323398-675f0ddb6308?auto=format&fit=crop&w=300&q=80');
            background-size: cover;
        .bg-size-contain {
            background-image: url('https://images.unsplash.com/photo-
1519125323398-675f0ddb6308?auto=format&fit=crop&w=300&q=80');
            background-size: contain;
            background-repeat: no-repeat;
            background-position: center;
        .bg-fixed {
            background-image: url('https://images.unsplash.com/photo-
1519125323398-675f0ddb6308?auto=format&fit=crop&w=300&q=80');
            background-attachment: fixed;
            background-size: cover;
            overflow-y: scroll;
        .bg-multiple {
            background:
                linear-gradient(rgba(110, 142, 251, 0.5), rgba(167, 119, 227,
0.5)),
                url('https://images.unsplash.com/photo-1519125323398-
675f0ddb6308?auto=format&fit=crop&w=300&q=80');
            background-size: cover;
        }
        .bg-blend {
```

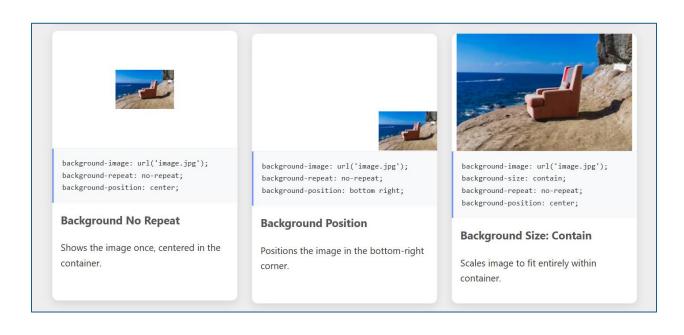
```
background-image: url('https://images.unsplash.com/photo-
1519125323398-675f0ddb6308?auto=format&fit=crop&w=300&q=80');
            background-color: #6e8efb;
            background-blend-mode: multiply;
            background-size: cover;
        /* Scrollable area for fixed demo */
        .scroll-content {
            height: 400px;
        /* Responsive adjustments */
        @media (max-width: 768px) {
            .property-grid {
                grid-template-columns: 1fr;
    </style>
<body>
    <header>
        <div class="container">
            <h1>CSS Background Properties</h1>
        </div>
    </header>
    <div class="container">
        <h2>Background Property Examples</h2>
        <div class="property-grid">
            <!-- Background Color -->
            <div class="property-card">
                <div class="demo-box bg-color"></div>
                <div class="code-box">background-color: #a777e3;</div>
                <div class="explanation">
                    <h3>Background Color</h3>
                    Sets a solid background color using hex, RGB, or HSL
values.
                </div>
            </div>
            <!-- Background Image -->
            <div class="property-card">
                <div class="demo-box bg-image"></div>
```

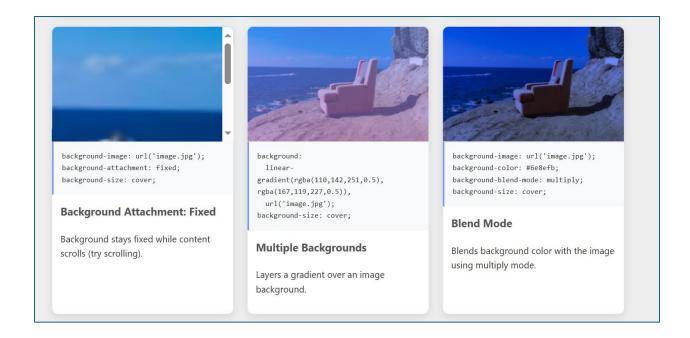
```
<div class="code-box">
                    background-image: url('image.jpg');<br>
                    background-size: cover;
                </div>
                <div class="explanation">
                    <h3>Background Image</h3>
                    Displays an image as the background. Requires proper
sizing.
                </div>
           </div>
            <!-- Background Repeat -->
            <div class="property-card">
                <div class="demo-box bg-repeat"></div>
                <div class="code-box">
                    background-image: url('image.jpg');<br>
                    background-repeat: repeat;
                </div>
                <div class="explanation">
                    <h3>Background Repeat</h3>
                    Tiles the image both horizontally and vertically.
                </div>
            </div>
            <!-- Background No Repeat -->
            <div class="property-card">
                <div class="demo-box bg-no-repeat"></div>
                <div class="code-box">
                    background-image: url('image.jpg');<br>
                    background-repeat: no-repeat;<br>
                    background-position: center;
                </div>
                <div class="explanation">
                    <h3>Background No Repeat</h3>
                    Shows the image once, centered in the container.
                </div>
            </div>
            <!-- Background Position -->
            <div class="property-card">
                <div class="demo-box bg-position"></div>
                <div class="code-box">
                    background-image: url('image.jpg');<br>
                    background-repeat: no-repeat;<br>
                    background-position: bottom right;
```

```
</div>
                <div class="explanation">
                    <h3>Background Position</h3>
                    Positions the image in the bottom-right corner.
                </div>
            </div>
            <!-- Background Size Cover -->
            <div class="property-card">
                <div class="demo-box bg-size-cover"></div>
                <div class="code-box">
                    background-image: url('image.jpg');<br>
                    background-size: cover;
                <div class="explanation">
                    <h3>Background Size: Cover</h3>
                    Scales image to cover entire container (may crop
edges).
                </div>
           </div>
            <!-- Background Size Contain -->
            <div class="property-card">
                <div class="demo-box bg-size-contain"></div>
                <div class="code-box">
                    background-image: url('image.jpg');<br>
                    background-size: contain;<br>
                    background-repeat: no-repeat;<br>
                    background-position: center;
                </div>
                <div class="explanation">
                    <h3>Background Size: Contain</h3>
                    Scales image to fit entirely within container.
                </div>
            </div>
            <!-- Background Attachment -->
            <div class="property-card">
                <div class="demo-box bg-fixed">
                    <div class="scroll-content"></div>
                </div>
                <div class="code-box">
                    background-image: url('image.jpg');<br>
                    background-attachment: fixed;<br>
                    background-size: cover;
```

```
</div>
               <div class="explanation">
                   <h3>Background Attachment: Fixed</h3>
                   Background stays fixed while content scrolls (try)
scrolling).
               </div>
           </div>
           <!-- Multiple Backgrounds -->
           <div class="property-card">
               <div class="demo-box bg-multiple"></div>
               <div class="code-box">
                   background: <br>
                     linear-gradient(rgba(110,142,251,0.5),
rgba(167,119,227,0.5)), <br>
                     url('image.jpg');<br>
                   background-size: cover;
               </div>
               <div class="explanation">
                   <h3>Multiple Backgrounds</h3>
                   Layers a gradient over an image background.
               </div>
           </div>
           <!-- Background Blend Mode -->
           <div class="property-card">
               <div class="demo-box bg-blend"></div>
               <div class="code-box">
                   background-image: url('image.jpg');<br>
                   background-color: #6e8efb;<br>
                   background-blend-mode: multiply;<br>
                   background-size: cover;
               </div>
               <div class="explanation">
                   <h3>Blend Mode</h3>
                   Blends background color with the image using multiply
mode.
               </div>
           </div>
       </div>
    </div>
</body>
 /html>
```







- This example beautifully illustrates all core background properties:
- color, image, repeat, position, size, attachment, blend-mode, and multi-layering.

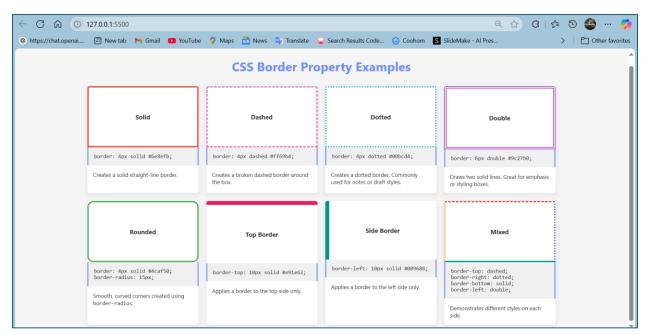
2. Example of CSS Borders:

```
.grid {
  display: grid;
  grid-template-columns: repeat(auto-fill, minmax(280px, 1fr));
  gap: 20px;
  margin-top: 30px;
  max-width: 1200px;
 margin-left: auto;
 margin-right: auto;
.card {
  background: #fff;
  border-radius: 5px;
  overflow: hidden;
  box-shadow: 0 4px 12px rgba(0, 0, 0, 0.08);
 transition: transform 0.3s;
.card:hover {
 transform: translateY(-5px);
.demo {
  height: 150px;
  display: flex;
  align-items: center;
 justify-content: center;
  font-weight: bold;
.code, .description {
 padding: 15px;
 font-size: 14px;
.code {
  background: #f0f0f0;
 font-family: monospace;
  border-right: 3px solid #6e8efb;
  border-left: 3px solid #6e8efb;
/* Border Examples */
.solid-border {
```

```
border: 4px solid #f44336;
   .dashed-border {
     border: 4px dashed #ff69b4;
   .dotted-border {
     border: 4px dotted #00bcd4;
   .double-border {
     border: 6px double #9c27b0;
   .rounded-border {
     border: 4px solid #4caf50;
     border-radius: 15px;
   .top-border {
     border-top: 10px solid #e91e63;
   .side-border {
     border-left: 10px solid #009688;
   .mixed-border {
     border-top: 4px dashed #f44336;
     border-right: 4px dotted #3f51b5;
     border-bottom: 4px solid #009688;
     border-left: 4px double #ff9800;
 </style>
</head>
<body>
 <h1>CSS Border Property Examples</h1>
 <div class="grid">
   <!-- Solid Border -->
   <div class="card">
     <div class="demo solid-border">Solid</div>
     <div class="code">border: 4px solid #6e8efb;</div>
```

```
<div class="description">Creates a solid straight-line border.</div>
    </div>
    <!-- Dashed Border -->
    <div class="card">
      <div class="demo dashed-border">Dashed</div>
      <div class="code">border: 4px dashed #ff69b4;</div>
      <div class="description">Creates a broken dashed border around the
box.</div>
   </div>
    <!-- Dotted Border -->
    <div class="card">
      <div class="demo_dotted-border">Dotted</div>
      <div class="code">border: 4px dotted #00bcd4;</div>
      <div class="description">Creates a dotted border. Commonly used for
notes or draft styles.</div>
   </div>
    <!-- Double Border -->
    <div class="card">
      <div class="demo double-border">Double</div>
      <div class="code">border: 6px double #9c27b0;</div>
      <div class="description">Draws two solid lines. Great for emphasis or
styling boxes.</div>
    </div>
   <!-- Rounded Corners -->
    <div class="card">
      <div class="demo rounded-border">Rounded</div>
      <div class="code">border: 4px solid #4caf50;<br>border-radius:
15px;</div>
      <div class="description">Smooth, curved corners created using
<code>border-radius</code>.</div>
   </div>
   <!-- Top Border Only -->
   <div class="card">
      <div class="demo top-border">Top Border</div>
      <div class="code">border-top: 10px solid #e91e63;</div>
      <div class="description">Applies a border to the top side only.</div>
    </div>
    <div class="card">
      <div class="demo side-border">Side Border</div>
```

```
<div class="code">border-left: 10px solid #009688;</div>
      <div class="description">Applies a border to the left side only.</div>
    </div>
    <!-- Mixed Borders -->
    <div class="card">
      <div class="demo mixed-border">Mixed</div>
      <div class="code">
        border-top: dashed;<br>
        border-right: dotted;<br>
        border-bottom: solid;<br>
        border-left: double;
      </div>
      <div class="description">Demonstrates different styles on each
side.</div>
    </div>
  </div>
</body>
</html>
```



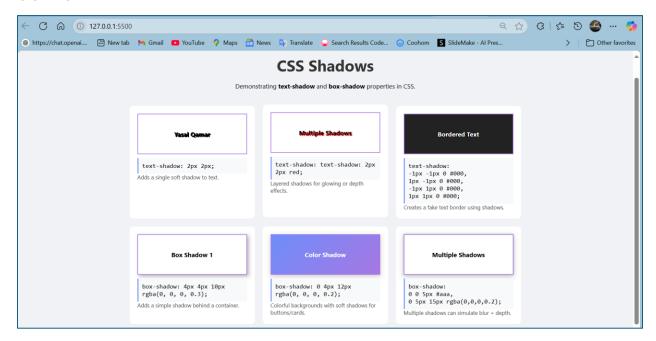
3. Example of CSS Shadows:

```
<!DOCTYPE html>
<html lang="en">
 <meta charset="UTF-8">
 <title>CSS Shadows Demo</title>
 <style>
   body {
      font-family: 'Segoe UI', sans-serif;
      background: #f0f2f5;
      margin: 0;
      padding: 30px;
      text-align: center;
      font-size: 16px;
   h1 {
      font-size: 2.5rem;
     margin-bottom: 10px;
      color: #333;
    .section {
     max-width: 1000px;
     margin: 0 auto;
    .property-grid {
      display: grid;
      grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));
      gap: 20px;
      margin-top: 40px;
    .property-card {
      background: #fff;
      border-radius: 10px;
      overflow: hidden;
      padding: 20px;
      transition: 0.3s;
    .property-card:hover {
```

```
transform: translateY(-5px);
.demo-box { border: 2px solid #a777e3;
  height: 100px;
  display: flex;
  align-items: center;
  justify-content: center;
 margin-bottom: 10px;
 font-weight: bold;
.code-box {
  font-family: monospace;
  background: #f8f9fa;
  border-left: 3px solid #6e8efb;
  text-align: left;
  padding: 10px;
 margin-top: 10px;
.explanation {
 text-align: left;
 font-size: 14px;
 color: #444;
/* Text Shadow Styles */
.text-simple {
 text-shadow:2px 2px ;
.text-multiple {
 text-shadow: 2px 2px red;
.text-border {
 color: white;
  background: #222;
  text-shadow: -1px -1px 0 #000,
               1px -1px 0 #000,
               -1px 1px 0 #000,
               1px 1px 0 #000;
```

```
/* Box Shadow Styles */
    .box-shadow-1 {
      background: white;
      box-shadow: 4px 4px 10px rgba(0, 0, 0, 0.3);
    .box-shadow-2 {
      background: linear-gradient(135deg, #6e8efb, #a777e3);
      box-shadow: 0 4px 12px rgba(0, 0, 0, 0.2);
    .box-shadow-multi {
      background: #fff;
      box-shadow: 0 0 5px #aaa, 0 5px 15px rgba(0,0,0,0.2);
 </style>
</head>
<body>
 <div class="section">
   <h1>CSS Shadows</h1>
   >Demonstrating <strong>text-shadow</strong> and <strong>box-
shadow</strong> properties in CSS.
    <div class="property-grid">
      <!-- TEXT SHADOW: SIMPLE -->
      <div class="property-card">
        <div class="demo-box text-simple">Yasal Qamar</div>
        <div class="code-box">
         text-shadow: 2px 2px;
        </div>
        <div class="explanation">
         Adds a single soft shadow to text.
        </div>
      </div>
      <!-- TEXT SHADOW: MULTIPLE -->
      <div class="property-card">
        <div class="demo-box text-multiple">Multiple Shadows</div>
        <div class="code-box">
         text-shadow: text-shadow: 2px 2px red;
```

```
</div>
 <div class="explanation">
   Layered shadows for glowing or depth effects.
</div>
<!-- TEXT SHADOW: BORDER EFFECT -->
<div class="property-card">
  <div class="demo-box text-border">Bordered Text</div>
 <div class="code-box">
   text-shadow:<br>
   -1px -1px 0 #000, <br>
    1px -1px 0 #000, <br>
   -1px 1px 0 #000, <br>
     1px 1px 0 #000;
  </div>
 <div class="explanation">
   Creates a fake text border using shadows.
 </div>
</div>
<!-- BOX SHADOW: BASIC -->
<div class="property-card">
 <div class="demo-box box-shadow-1">Box Shadow 1</div>
 <div class="code-box">
   box-shadow: 4px 4px 10px rgba(0, 0, 0, 0.3);
 </div>
 <div class="explanation">
   Adds a simple shadow behind a container.
 </div>
</div>
<!-- BOX SHADOW: COLORFUL -->
<div class="property-card">
 <div class="demo-box box-shadow-2">Color Shadow</div>
  <div class="code-box">
   box-shadow: 0 4px 12px rgba(0, 0, 0, 0.2);
 </div>
 <div class="explanation">
   Colorful backgrounds with soft shadows for buttons/cards.
 </div>
</div>
<!-- BOX SHADOW: MULTIPLE -->
<div class="property-card">
```



4. Example of CSS Gradients:

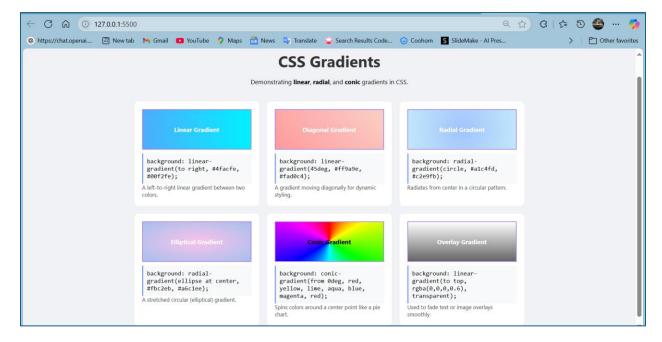
```
<!DOCTYPE html>
<html lang="en">
 <meta charset="UTF-8">
 <title>CSS Gradients Demo</title>
 <style>
   body {
      font-family: 'Segoe UI', sans-serif;
      background: #f0f2f5;
      margin: 0;
      padding: 30px;
     text-align: center;
     font-size: 16px;
   h1 {
      font-size: 2.5rem;
      margin-bottom: 10px;
     color: #333;
    .section {
     max-width: 1000px;
     margin: 0 auto;
    .property-grid {
      display: grid;
      grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));
      gap: 20px;
      margin-top: 40px;
    .property-card {
      background: #fff;
      border-radius: 10px;
      overflow: hidden;
      padding: 20px;
     transition: 0.3s;
    .property-card:hover {
      transform: translateY(-5px);
```

```
.demo-box {
  border: 2px solid #a777e3;
  height: 100px;
  display: flex;
  align-items: center;
  justify-content: center;
  margin-bottom: 10px;
 font-weight: bold;
  color: #fff;
.code-box {
  font-family: monospace;
  background: #f8f9fa;
  border-left: 3px solid #6e8efb;
  text-align: left;
  padding: 10px;
 margin-top: 10px;
 word-wrap: break-word;
.explanation {
 text-align: left;
  font-size: 14px;
 color: #444;
/* Gradient Styles */
.linear-gradient {
  background: linear-gradient(to right, #4facfe, #00f2fe);
.diagonal-gradient {
  background: linear-gradient(45deg, #ff9a9e, #fad0c4);
.radial-gradient {
  background: radial-gradient(circle, #a1c4fd, #c2e9fb);
.ellipse-gradient {
  background: radial-gradient(ellipse at center, #fbc2eb, #a6c1ee);
```

```
.conic-gradient {
      background: conic-gradient(from 0deg, red, yellow, lime, aqua, blue,
magenta, red);
     color: #000;
    .transparent-gradient {
      background: linear-gradient(to top, rgba(0,0,0,0.6), transparent);
 </style>
</head>
<body>
 <div class="section">
    <h1>CSS Gradients</h1>
    Demonstrating <strong>linear</strong>, <strong>radial</strong>, and
<strong>conic</strong> gradients in CSS.
    <div class="property-grid">
      <!-- Linear Gradient -->
      <div class="property-card">
        <div class="demo-box linear-gradient">Linear Gradient</div>
        <div class="code-box">
         background: linear-gradient(to right, #4facfe, #00f2fe);
        </div>
        <div class="explanation">
         A left-to-right linear gradient between two colors.
        </div>
      </div>
      <!-- Diagonal Gradient -->
      <div class="property-card">
        <div class="demo-box diagonal-gradient">Diagonal Gradient</div>
        <div class="code-box">
         background: linear-gradient(45deg, #ff9a9e, #fad0c4);
        </div>
        <div class="explanation">
         A gradient moving diagonally for dynamic styling.
        </div>
      </div>
      <!-- Radial Gradient -->
      <div class="property-card">
```

```
<div class="demo-box radial-gradient">Radial Gradient</div>
        <div class="code-box">
          background: radial-gradient(circle, #a1c4fd, #c2e9fb);
        <div class="explanation">
          Radiates from center in a circular pattern.
        </div>
      </div>
      <!-- Elliptical Gradient -->
      <div class="property-card">
        <div class="demo-box ellipse-gradient">Elliptical Gradient</div>
        <div class="code-box">
          background: radial-gradient(ellipse at center, #fbc2eb, #a6c1ee);
        </div>
        <div class="explanation">
          A stretched circular (elliptical) gradient.
        </div>
      </div>
      <!-- Conic Gradient -->
      <div class="property-card">
        <div class="demo-box conic-gradient">Conic Gradient</div>
        <div class="code-box">
          background: conic-gradient(from Odeg, red, yellow, lime, aqua, blue,
magenta, red);
       </div>
        <div class="explanation">
          Spins colors around a center point like a pie chart.
        </div>
      </div>
      <!-- Transparent Overlay Gradient -->
      <div class="property-card">
        <div class="demo-box transparent-gradient">Overlay Gradient</div>
        <div class="code-box">
          background: linear-gradient(to top, rgba(0,0,0,0.6), transparent);
        </div>
        <div class="explanation">
          Used to fade text or image overlays smoothly.
        </div>
      </div>
    </div>
  </div>
```

```
</body>
</html>
```



Conclusion:

In summary, I have learned how to effectively use visual styling properties such as backgrounds, borders, shadows, and gradients in CSS. These techniques play a crucial role in making web pages look clean, modern, and visually engaging. By experimenting with real examples in VS Code, I observed how even small styling changes can significantly enhance the user interface (UI) and overall user experience (UX) of a webpage. This hands-on practice strengthened my understanding of how design and functionality work together in front-end development.