Level 3:
Task 1:
Image Manipulation:
- Use CSS to create a basic image gallery with thumbnail images that enlarge when clicked.
- Implement a simple image slideshow that automatically transitions between images using HTML and CSS.

HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE-edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Image Gallery</title>

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

</head>
<body>

<div class="container">
<h1>The Calligrapher's Canvas</h1>

<p>Discover my meticulously crafted calligraphy designs, where strokes come
alive with meaning. Experience the elegance of graceful flourishes, the
balance of form and function, and the fusion of tradition and innovation.
Immerse yourself in the artistry of the written word.</p>
    <div class="image-container">
        <p>
        <div class="image"><img src="images/image-1.jpg " alt=""></div>
        <div class="image"><img src="images/image-2.jpg " alt=""></div>
        <div class="image"><img src="images/image-3.jpg " alt=""></div>
        <div class="image"><img src="images/image-4.jpg " alt=""></div>
        <div class="image"><img src="images/image-5.jpg " alt=""></div>
        <div class="image"><img src="images/image-6.jpg " alt=""></div>

    </div>

    <div class="popup-image">
        <span>&times; </span>
        <img src="images/image-1.jpg " alt="">
    </div>

    <br>
```

```html
<h5>Image Slideshow</h5>
<div class="slideshow-container">
    <div class="mySlides fade">
      <div class="numbertext">1 / 3</div>
      <img src="images/image-10.jpg" style="width:100%">

    </div>
    <div class="mySlides fade">
      <div class="numbertext">2 / 3</div>
      <img src="images/image-8.jpg" style="width:100%">

    </div>
    <div class="mySlides fade">
      <div class="numbertext">3 / 3</div>
      <img src="images/image-9.jpg" style="width:100%">

    </div>
    <a class="prev" onclick="plusSlides(-1)">&#10094;</a>
    <a class="next" onclick="plusSlides(1)">&#10095;</a>
  </div>
  <br>
  <div style="text-align:center">
    <span class="dot" onclick="currentSlide(0)"></span>
    <span class="dot" onclick="currentSlide(1)"></span>
    <span class="dot" onclick="currentSlide(2)"></span>
  </div>
</div>


<script src="javascript.js"></script>
</body>
</html>
```

CSS:

```css
*{
    margin:0;
    padding:0;
    box-sizing: border-box;
}

.container{
    position: relative;
    min-height:100vh;
    background-color: #d2d8d6;
background-image: linear-gradient(315deg, #d2d8d6 0%, #dce8e0 74%);


}
```

```css
.container h1, h5{
    color: #0F0101;
/*text-shadow: 0px 4px 4px 0px rgba(0, 0, 0, 0.25);*/
font-family: Inter;
font-size: 75px;
font-style: normal;
font-weight: 800;
line-height: normal;
padding: 20px;
text-align: center;
}

.container h5{
    color: #0F0101;
/*text-shadow: 0px 4px 4px 0px rgba(0, 0, 0, 0.25);*/
font-family: Inter;
font-size: 50px;
font-style: normal;
font-weight: 800;
line-height: normal;
padding: 20px;
text-align: center;

}
.container p{
    font-size: 25px;
    font-family: Inter;
    color: #0F0101;
    text-align: center;
    padding: 15px;
}
.container .image-container{
    display: flex;
    flex-wrap: wrap;
    gap:15px;
    justify-content: center;
    padding:10px;
}

.container .image-container .image{
    height: 250px;
    width:350px;
    border: 10px solid #fff;
    box-shadow: 0 5px 15px rgba(0,0,0,.1);
    overflow : hidden;
    cursor: pointer;
}
```

```css
.container .image-container .image img{
    height: 100%;
    width:100%;
    object-fit: cover;
    transition : 0.2s linear;
}

.container .image-container .image:hover img{
    transform: scale(1.1);
}

.container .popup-image{
    position: fixed;
    top:0; left:0;
    background: rgba(0,0,0,0.9);
    height:100%;
    width:100%;
    z-index:100;
    display: none;
}

.container ,.popup-image span{
    position: absolute;
    top:0;
    right:10px;
    font-size: 60px;
    font-weight: bolder;
    color: #fff;
    cursor: pointer;
    z-index: 100;
}

.container .popup-image img{
    position:absolute;
    top:50%;
    left:50%;
    transform: translate(-50%, -50%);
    border: 5px solid #fff;
    border-radius: 5px;
    width:750px;
    object-fit: cover;



}

.mySlides {
    display: none
  }
```

```css
img {
  vertical-align: middle;
  border: 10px solid #fff;
  box-shadow: 0 5px 15px rgba(0,0,0,.1);
}
.slideshow-container {
  max-width: 800px;
  position: relative;
  margin: auto;
}
/* Next & previous buttons */
.prev,
.next {
  cursor: pointer;
  position: absolute;
  top: 50%;
  width: auto;
  padding: 16px;
  margin-top: -22px;
  color: white;
  font-weight: bold;
  font-size: 18px;
  transition: 0.6s ease;
  border-radius: 0 3px 3px 0;
  user-select: none;
}
/* Position the "next button" to the right */
.next {
  right: 0;
  border-radius: 3px 0 0 3px;
}
/* On hover, add a black background color with a little bit see-through */
.prev:hover,
.next:hover {
  background-color: rgba(0, 0, 0, 0.8);
}


.numbertext {
  color: #ffffff;
  font-size: 12px;
  padding: 8px 12px;
  position: absolute;
  top: 0;
}
/* The dots/bullets/indicators */
.dot {
```

```css
    cursor: pointer;
    height: 15px;
    width: 15px;
    margin: 0 1px;
    background-color: #999999;
    border-radius: 50%;
    display: inline-block;
    transition: background-color 0.6s ease;
}
.active,
.dot:hover {
    background-color: #111111;
}
/* Fading animation */
.fade {
    -webkit-animation-name: fade;
    -webkit-animation-duration: 1.5s;
    animation-name: fade;
    animation-duration: 1.5s;
}
@-webkit-keyframes fade {
    from {
        opacity: .4
    }
    to {
        opacity: 1
    }
}
@keyframes fade {
    from {
        opacity: .4
    }
    to {
        opacity: 1
    }
}
@media(max-width: 768px){
    .container .popup-image img{
        width:95%;
    }
}
```

JS:

```javascript
document.querySelectorAll('.image-container img').forEach(image =>{
    image.onclick = () =>{
```

```javascript
        document.querySelector('.popup-image').style.display='block';
        document.querySelector('.popup-image img').src=image.getAttribute('src');
    }
});

document.querySelector('.popup-image span').onclick=() =>{
    document.querySelector('.popup-image').style.display='none';

}


let slideIndex = 0;
let timeoutId = null;
const slides = document.getElementsByClassName("mySlides");
const dots = document.getElementsByClassName("dot");

showSlides();
function currentSlide(index) {
    slideIndex = index;
    showSlides();
}
function plusSlides(step) {

  if(step < 0) {
    slideIndex -= 2;

    if(slideIndex < 0) {
      slideIndex = slides.length - 1;
    }
  }

  showSlides();
}
function showSlides() {
  for(let i = 0; i < slides.length; i++) {
    slides[i].style.display = "none";
    dots[i].classList.remove('active');
  }
  slideIndex++;
  if(slideIndex > slides.length) {
    slideIndex = 1
  }
  slides[slideIndex - 1].style.display = "block";
  dots[slideIndex - 1].classList.add('active');
   if(timeoutId) {
      clearTimeout(timeoutId);
   }
  timeoutId = setTimeout(showSlides, 5000); // Change image every 5 seconds
}
```

The Calligrapher's Canvas

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Image Slideshow