

PROJECT 1: ART PORTFOLIO
PROJECT 2: RESTAURANT LANDING
PAGE

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PROJECT 1: ART PORTFOLIO

ABSTRACT

This project focuses on creating a personal art portfolio website using HTML and CSS. The portfolio serves as a digital platform for artists to showcase their creative works, including paintings, sketches, digital illustrations, or photography. The key goal is to provide a visually appealing, user-friendly, and responsive website that effectively highlights the artist's skills and style. Core technologies used include HTML for structuring the content and CSS for designing and styling the layout, ensuring an aesthetic presentation. The final outcome is a well-organized, attractive portfolio website that can be easily accessed across devices. This project is useful for artists seeking to establish an online presence, attract potential clients, and share their work with a wider audience without relying on third-party platforms. It demonstrates basic yet essential web development skills in design and structure.

OBJECTIVES

- Design a user-friendly interface following modern UI principles.
- Develop a fully responsive layout using only HTML and CSS.
- Implement structured HTML5 semantic elements for clear content organization.
- Apply CSS styling for branding, layout, and responsive behaviour.
- Ensure accessibility and readability across all devices.

SCOPE OF THE PROJECT

The project is focused entirely on front-end design, showcasing the artist's portfolio through a visually appealing and responsive website. It does not include JavaScript functionality or any server-side integration such as databases or dynamic content. The design is optimized for desktop, tablet, and mobile viewports to ensure a seamless user experience on all devices. Only open-source tools and pure HTML/CSS code are used—no external libraries or frameworks—making the project lightweight, customizable, and easy to maintain. The scope is limited to building a static, client-side website for portfolio presentation.

TOOLS & TECHNOLOGIES USED

| Tool/Technology | Purpose |
|-----------------|---------|
|-----------------|---------|

| | |
|--------------|-------------------------------|
| HTML5 | Markup and content structure |
| CSS3 | Styling and layout management |
| VS Code | Code editor |
| Chrome Tools | Dev Testing and debugging |

HTML STRUCTURE OVERVIEW

- Used semantic tags: <header>, <nav>, <main>, <section>, <footer>
- Structured into reusable sections: About, Projects, Contact
- Navigation menu created with and anchor links for smooth scrolling

CSS STYLING STRATEGY

- Used an external CSS file (style.css)
- Organized styles with comments and logical sections
- Techniques implemented:
 - Flexbox and Grid for layout
 - Media Queries for responsiveness
 - CSS Variables for theme customization
 - Hover effects and transitions for interactivity
 - Mobile-first design approach

KEY FEATURES

| Feature | Description |
|----------------------------------|---|
| Responsive Design | Adapts seamlessly to all screen sizes. |
| Smooth Navigation | Fixed top navigation bar with anchor links for quick section access. |
| Project Cards | Flexbox-based layout with hover effects for better interactivity. |
| Contact Form (Non-functional) | Placeholder layout for input fields and submit button. |
| Accessible Fonts & Colours | High-contrast colour scheme and readable typography for better accessibility. |

CHALLENGES FACED & SOLUTIONS

| Challenge | Solution |
|---------------------------------------|---|
| Overlapping elements on small screens | Used media queries to stack and resize elements. |
| Difficulty aligning items using float | Switched to Flexbox and CSS Grid for simpler alignment. |
| Typography scaling issues | Used relative units (em/rem) instead of fixed pixels. |

OUTCOME

- Achieved a clean, consistent, and visually engaging front-end layout.
- All components function smoothly using only HTML and CSS.
- Gained deeper understanding of layout responsiveness and UI hierarchy.

FUTURE ENHANCEMENTS

- Add JavaScript for interactivity (form validation, dynamic content).
- Integrate animations or advanced CSS transitions.
- Enable backend integration for functional form submission.
- Implement a theme toggler (light/dark mode) for personalization.

SAMPLE CODE

```
<!DOCTYPE html>

<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Art Portfolio</title>
<style>
body {
  font-family: Broadway,sans-serif;
  margin: 0;
  background: #f8f8f8;
  color: #f9f9fd;
}

header, footer {
  text-align: center;
  padding: 30px;
  background: #076780;
  color: rgb(11, 10, 10);
}

.portfolio-grid {
  display: flex;
```

```
flex-wrap: wrap;
justify-content: center;
gap: 1rem;
padding: 1rem;
}

.portfolio-item {
  flex: 1 1 300px;
  max-width: 300px;
  background: rgb(4, 3, 3);
  border-radius: 10px;
  overflow: hidden;
  text-decoration: none;
  color: inherit;
  box-shadow: 0 4px 6px rgba(89, 117, 231, 0.1);
  transition: transform 0.2s ease;
}

.portfolio-item:hover {
  transform: scale(1.03);
}

.portfolio-item img {
  width: 100%;
  height: 200px;
  display: block;
  object-fit: cover;
}

.portfolio-title{
```

```
    font-family: Arial, sans-serif;  
    font-weight: bold;  
    font-size: 20px;  
    margin: 10px 0 5px 0;  
    text-align: center;  
  
}  
  
.portfolio-desc{  
    font-family:"Times New Roman", serif;  
    font-size: 16px;  
    margin: 3px 0;  
    text-align: center;  
  
}  
  
.portfolio-item h3 {  
    padding: 0.5rem;  
    text-align: center;  
  
}  
  
@media (max-width: 600px) {  
    .portfolio-item img {  
        height: 150px;  
    }  
}  
  
}  
  
</style>  
</head>  
<body>  
  
<header>
```

```
<h1>My Art Portfolio</h1>
<p>Showcasing my creative work</p>
</header>

<main>

<section class="portfolio-grid">
    <a href="#" class="portfolio-item">
        
        <div class="portfolio-title">Sunset Dreams</div>
        <div class="portfolio-desc">captures the beauty of a serene sunset blending warm hues of orange and purple over calm waters.</div>
    </a>
    <a href="#" class="portfolio-item">
        
        <div class="portfolio-title">Forest Path</div>
        <div class="portfolio-desc">invites you to walk into the calm greenery of nature. It captures the peaceful essence of an untouched forest trail.</div>
    </a>
    <a href="#" class="portfolio-item">
        
        <div class="portfolio-title">Autumn Time</div>
        <div class="portfolio-desc">paints the trees in golden and fiery shades, as two figures stroll along a misty path carpeted with fallen leaves.</div>
    </a>
    <a href="#" class="portfolio-item">
```

```

<div class="portfolio-title">Northern Lights</div>
<div class="portfolio-desc">illuminates the snowy mountains and pine forests, casting a magical green glow across the winter night.</div>
</a>
<a href="#" class="portfolio-item">

<div class="portfolio-title">Rain</div>
<div class="portfolio-desc">paints the city streets with shimmering reflections of golden lights and autumn hues.</div>
</a>
<a href="#" class="portfolio-item">

<div class="portfolio-title">Cherry Blossom</div>
<div class="portfolio-desc">petals drift gently across the lake, their soft pink hues mirrored perfectly in the tranquil water below.</div>
</a>
<a href="#" class="portfolio-item">

<div class="portfolio-title">Waterfall</div>
<div class="portfolio-desc">cascades down rugged cliffs, its brilliant blue waters tumbling into a lively stream that winds through lush green foliage under a dramatic sky.</div>
</a>
<a href="#" class="portfolio-item">

<div class="portfolio-title">Desert</div>
```

```
<div class="portfolio-desc">unfold under a blazing sunset, where  
two figures guide a caravan of camels across dark sand dunes, the  
brilliant orange and red sky framing a glowing golden sun.</div>
```

```
</a>
```

```
</section>
```

```
</main>
```

```
<footer>
```

```
<p>&copy; 2025 My Art Portfolio</p>
```

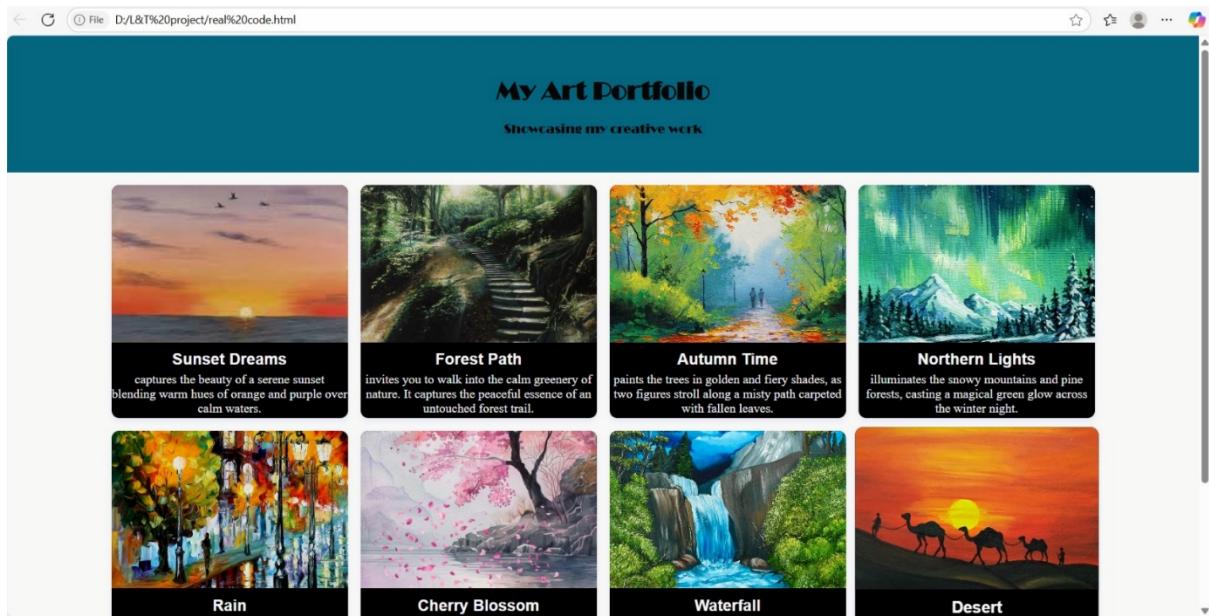
```
</footer>
```

```
</body>
```

```
</html>
```

SCREENSHOT OF FINAL OUTPUT

LAPTOP:



MOBILE:

My Art Portfolio

Showcasing my creative work



Sunset Dreams

captures the beauty of a serene sunset
blending warm hues of orange and
purple over calm waters.



Forest Path

invites you to walk into the calm
greenery of nature. It captures the
peaceful essence of an untouched
forest trail.





Autumn Time

paints the trees in golden and fiery shades, as two figures stroll along a misty path carpeted with fallen leaves.



Northern Lights

illuminates the snowy mountains and pine forests, casting a magical green glow across the winter night.



Rain

paints the city streets with shimmering reflections of golden lights and autumn hues.

CONCLUSION

This personal portfolio website effectively showcases the user's skills, projects, resume, and contact information in a clean, organized manner. This mini project helped me strengthen my front-end development skills using only HTML and CSS. Through building this site, I gained practical experience in responsive design, semantic layout structuring, and enhancing user interface aesthetics. The hands-on implementation of modern design principles deepened my understanding of user-centric web design and how to create accessible, visually appealing websites. Overall, this project laid a solid foundation for future web development endeavours and highlighted the importance of simplicity and usability in digital portfolios.

REFERENCES

- L&T LMS: <https://learn.lntedutech.com/Landing/MyCourse>

PROJECT 2:RESTAURANT LANDING PAGE

ABSTRACT

This project focuses on designing and developing a responsive restaurant landing page using only HTML5 and CSS3. The main goal is to create an appealing, user-friendly web page that effectively showcases the restaurant's menu, ambiance, location, and contact

details. Emphasis is placed on a clean and modern design that works seamlessly across desktop, tablet, and mobile devices. Core technologies used include semantic HTML5 for structured content and CSS3 for styling, layout, and responsiveness. The final outcome is a fully responsive, visually engaging landing page that can serve as an online presence for a restaurant, helping attract and inform potential customers without relying on JavaScript or backend integration.

OBJECTIVES

- Design an attractive, intuitive interface reflecting a restaurant's brand and style
- Develop a fully responsive layout that adapts to multiple screen sizes
- Implement semantic HTML5 tags for meaningful content structure
- Use CSS3 techniques to style the page, including Flexbox and Grid for layout
- Ensure smooth navigation and accessibility for users on various devices

SCOPE OF THE PROJECT

- Focuses exclusively on front-end development (no JavaScript or backend)
- Includes key sections such as Home, Menu, About Us, Gallery, Location, and Contact
- Responsive design targeting desktop, tablet, and mobile devices
- Utilizes only open-source tools and pure HTML/CSS code, avoiding libraries and frameworks

TOOLS & TECHNOLOGIES USED

Tool/Technology Purpose

HTML5 Content markup and structure

CSS3 Styling, layout, and responsiveness

VS Code

Code editing

Chrome Tools

Dev Testing, debugging, and responsiveness checks

HTML STRUCTURE OVERVIEW

- Used semantic tags: <header>, <nav>, <main>, <section>, <footer> to enhance accessibility and SEO
- Structured into reusable sections: Home (with hero/banner), About Us, Menu, Gallery, Location, and Contact
- Navigation menu built with and anchor (<a>) links for smooth scrolling between sections
- Footer includes social media links and contact info for easy access

CSS STYLING STRATEGY

- Used an external CSS file (style.css) for all styling
- Organized the CSS file with clear comments and section grouping for maintainability
- Techniques used:

Flexbox and CSS Grid for flexible, responsive layouts of the menu items and gallery

Media Queries to ensure the page adapts beautifully on mobile, tablet, and desktop screens

CSS Variables to manage theme colours consistently and enable easy updates

Hover effects on buttons, menu items, and images for better interactivity and visual feedback

Mobile-first design approach prioritizing smaller screens and scaling up

KEY FEATURES

Feature

Description

Responsive

Adapts seamlessly across all devices and screen

| | |
|----------------------------|---|
| Design | sizes |
| Smooth Navigation | Fixed top navigation bar with anchor links enabling smooth scroll |
| Menu Display | Grid-based layout showcasing dishes with images and descriptions |
| Gallery Section | Responsive image gallery with hover zoom effects |
| Contact Section | Simple, clean contact form layout (non-functional placeholder) |
| Accessible Fonts & Colours | High contrast colour scheme and legible typography for easy reading |

CHALLENGES FACED & SOLUTIONS

| Challenge | Solution |
|--|---|
| Overlapping content on small devices | Used media queries to stack and resize elements vertically |
| Difficulty aligning menu items | Replaced floats with Flexbox for better control and alignment |
| Inconsistent font sizes across devices | Used relative units (em, rem) for scalable typography |

OUTCOME

- Delivered a visually appealing, consistent restaurant landing page purely with HTML and CSS
- All sections are responsive and maintain usability on any screen size
- Gained practical knowledge of responsive design, CSS layout techniques, and semantic structuring

FUTURE ENHANCEMENTS

- Add JavaScript for interactive features such as form validation and smooth scroll animations
- Integrate subtle animations and transitions to enhance user experience
- Implement backend integration for contact form submissions
- Add a theme toggler for light and dark modes to improve user customization

SAMPLE CODE

```
<hmtl>
<head>
<title> THE BEAR </title>
<style>
.flexxx {
    display: flex;
    flex-wrap: wrap;
    flex-direction: row;
}
.flexc
{
    display:flex;
    flex-wrap: wrap;
    flex-direction: row;
}
.flexc > article
{
    background-image: url("phthalo green.jpg");
```

```
background-color: maroon;  
width: 250px;  
height: 400px;  
margin: 20px;  
  
text-color: white;  
line-height: 35px;  
font-size: 20px;  
}  
  
p{  
width: 800px;  
height: 400px;  
border: 10px solid maroon;  
background-color: "blue";  
}  
  
p{  
font-family: "Times New Roman", Times, serif;  
}  
  
p{  
background-image: url("tired.jpg");  
}  
  
.flexxx > div {  
background-color: maroon;  
width: 250px;  
height: 100px;  
margin: 20px;
```

```
text-align: center;  
text-color: white;  
line-height: 75px;  
font-size: 30px;  
}  
  
@media (max-width: 800px) {  
    .flexxx {  
        flex-direction: column;  
    }  
}  
</style>  
</head>  
<body>  
  
<h1><center>THE BEAR</center></h1>  
<hr>  
<h1><p style="color:white;">  
Bloom your tastebuds.<br>Experience a melting pot of culinary artistry  
</p></h1>  
  
<div class="flexxx">  
    <div><a href="https://www.wikipedia.org/" style="color:white;">Home</a></div>  
    <div><a href="https://www.wikipedia.org/" style="color:white;">Menu</a></div>  
    <div><a href="https://www.chickpetdonnebiryanihouse.com/" style="color:white;">Reservations</a></div>
```

```
<div><a href="https://www.wikipedia.org/">  
About</a></div>  
</div>  
<article class="flexc">  
  
<article style="color:white;"> The technical ability and creativity that  
goes into making these dishes is second to none.- Reviewer</article>  
<article style="color:white;">The Bear serves dishes that you will not  
see anywhere else in the world. </article>  
<article style="color:white;"> Mesmerising- Anthony Bourdain</article>  
<article style="color:white;"> An Optical delight- The Times</article>  
</article>  
</body>  
</html>
```

SCREENSHOT OF FINAL OUTPUT

LAPTOP:

THE BEAR

Bloom your tastebuds.
Experience a melting pot of culinary artistry



[Home](#)

[Menu](#)

[Reservations](#)

[About](#)

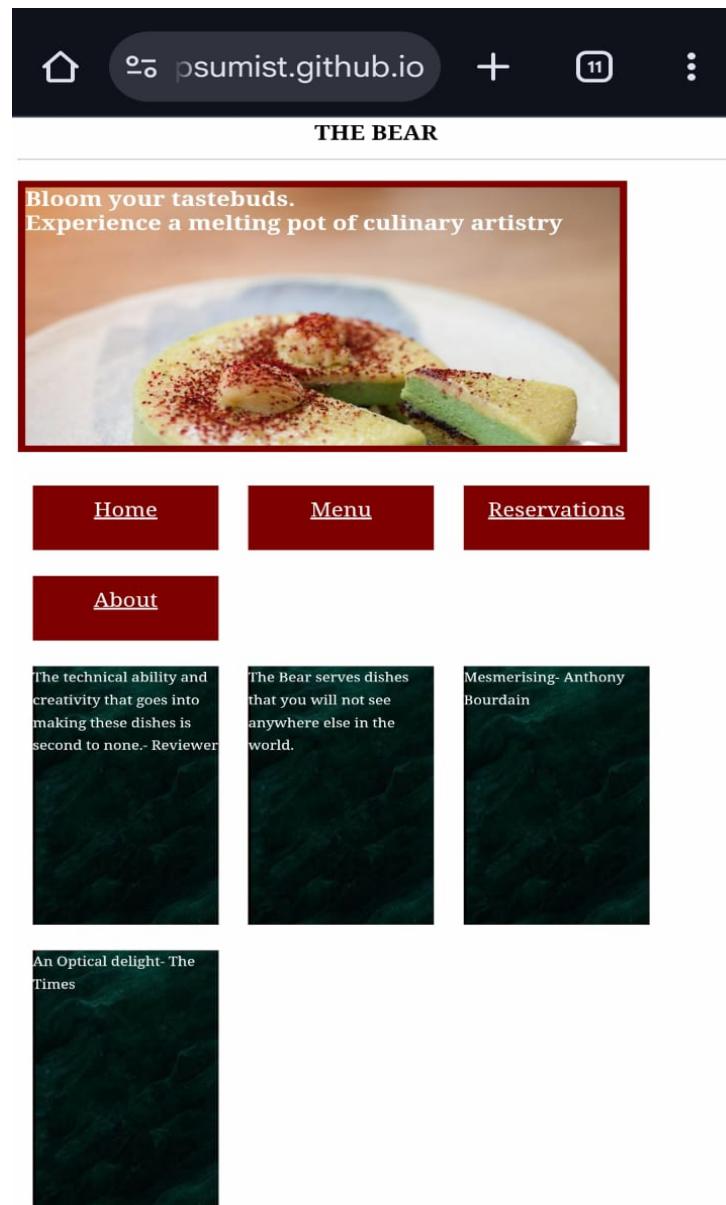
The technical ability and creativity that goes into making these dishes is second to none.- Reviewer

The Bear serves dishes that you will not see anywhere else in the world.

Mesmerising- Anthony Bourdain

An Optical delight- The Times

MOBILE:



CONCLUSION

This restaurant landing page project showcases an attractive, responsive web design that effectively highlights the restaurant's menu, ambiance, and contact information. Through this mini project, I strengthened my front-end development skills using only HTML and CSS, focusing on semantic markup and responsive layouts. I gained practical experience with Flexbox, CSS Grid, media queries, and CSS variables to create a visually appealing and user-friendly interface. This hands-on work improved my understanding of responsive design principles, layout structuring, and accessibility best practices, reinforcing how to build engaging websites that adapt smoothly across devices without relying on JavaScript or backend technologies.

REFERENCES

- L&T LMS: <https://learn.Intedutech.com/Landing/MyCourse>