

Practicum-5

1. Name of Practicum: HTML Website

Developing a visually appealing and responsive HTML website enhanced with modern CSS styling techniques. This practicum demonstrates advanced web development skills including custom color schemes, smooth animations, hover effects, and responsive layouts. The project showcases the evolution from basic static HTML to a vibrant, interactive user experience while maintaining structured content organization and cross-device compatibility.

2. Procedure:

• Declare HTML5 document structure

- Use DOCTYPE html with html lang="en", head, and body tags
- Include proper meta tags with charset UTF-8 and viewport for responsiveness
- Set page title and favicon using title and link rel="icon" tags

• Import external resources and fonts

- Link Google Fonts using href for Montserrat and Roboto typography
- Include external CSS stylesheets with link rel="stylesheet" tags
- Add multimedia resources like audio and video files with proper paths

• Apply CSS positioning for layout structure

- Use position: static for default document flow elements (body, form, fieldset)
- Implement position: relative for containers that need offset positioning
- Apply position: absolute for elements positioned relative to nearest positioned ancestor

• Create fixed positioning elements

- Use position: fixed for sidebar elements that remain visible during scroll
- Implement fixed positioning for video elements with top and right coordinates

• Implement sticky positioning demonstrations

- Use position: sticky with top offset values for navigation elements
- Create sticky video containers that remain in viewport during scroll
- Apply sticky positioning for hero sections and review forms

• Design responsive layout with float and positioning

- Use float: left and float: right for main content and sidebar layouts
- Apply clear: both properties to prevent layout issues with floated elements
- Implement width percentages for responsive column-based designs

• **Style positioned elements with visual properties**

- Apply border, padding, margin, and color properties to positioned containers
- Use background-color and border properties for visual distinction
- Implement consistent color schemes across positioned elements

• **Create interactive elements with positioning**

- Position form elements using relative and static positioning
- Apply hover effects with color changes and text-decoration properties
- Use inline-block display for navigation links and buttons

• **Embed multimedia with positioned containers**

- Position video and audio elements using absolute and fixed positioning
- Apply border styling and responsive sizing to multimedia elements
- Use autoplay, muted, and loop attributes for video elements

• **Implement semantic HTML structure with positioning**

- Use header, nav, main, section, and footer with appropriate positioning
- Create card-based layouts with relative positioning for recipe and news content
- Apply consistent positioning for form fieldsets and legends

• **Test positioning behavior across different contexts**

- Verify static, relative, absolute, fixed, and sticky positioning work correctly
- Ensure positioned elements maintain proper layout on different screen sizes
- Validate that multimedia elements and forms function with applied positioning

3. Actual Resources used:

Sno	Name of Resource	Broad Specification	Quantity	Remark (if any)
1.	Operating system	Windows 11 Home Single Language	1	
<u>3.</u>	Programming Language	HTML(Hyper text Markup Language)	1	
<u>4.</u>	Software development kit	Not Applicable		
<u>5.</u>	Libraries	Not Applicable		
<u>6.</u>	Graphics/Animation tool	Not Applicable		
<u>7.</u>	Front End tool	VS code, Browser(Microsoft Edge)	1 each	
<u>8.</u>	Back End tool	Not Applicable		
<u>9.</u>	Virtual lab	Not Applicable		
<u>10.</u>	Specific Hardware	Not Applicable		

11.	Simulation/Emulation tool	Browser(Microsoft Edge)	1	
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4. Actual Procedure Followed:

Procedure for Practicum-5 (CSS Positioning)

Planning & Requirements Gathering

- Identified the need for advanced CSS positioning techniques to create complex layouts
- Listed required positioning types: static, relative, absolute, fixed, and sticky positioning
- Chose positioning strategies for sidebars, navigation elements, multimedia content, and form layouts

Setting Up the Development Environment

- Used VS Code with CSS and HTML extensions for positioning implementation
- Created organized project folders with Demo and Website directories for positioning examples
- Structured files to demonstrate different positioning contexts and use cases

Designing Layout Structure with CSS Positioning

- Wrote semantic HTML5 structure with containers for positioning demonstrations
- Implemented embedded CSS stylesheets with position properties and offset values
- Created positioning contexts using relative containers for absolute positioned elements

Implementing CSS Positioning Techniques

- Applied position: static for default document flow in forms and content sections
- Used position: relative with top/left offsets for shifted elements in demo pages
- Implemented position: absolute for precisely placed elements within positioned containers
- Created position: fixed elements for persistent sidebars and navigation that stay in viewport
- Applied position: sticky for elements that switch between relative and fixed behavior

Developing Interactive Positioned Elements

- Positioned multimedia elements (video/audio) using fixed and absolute positioning
- Created floating sidebars with fixed positioning for recipe websites and news layouts
- Implemented positioned form elements with proper stacking and visual hierarchy

Testing & Debugging Positioning Behavior

- Opened webpages in multiple browsers to verify positioning compatibility across

different contexts

- Validated that positioned elements maintain proper behavior during scroll and resize

Finalizing & Deployment

- Reviewed positioning implementations for visual consistency and functional behavior
- Ensured cross-browser compatibility for all positioning types and responsive positioning behavior

5. Observation :

Observation for Practicum-5 (CSS Positioning)

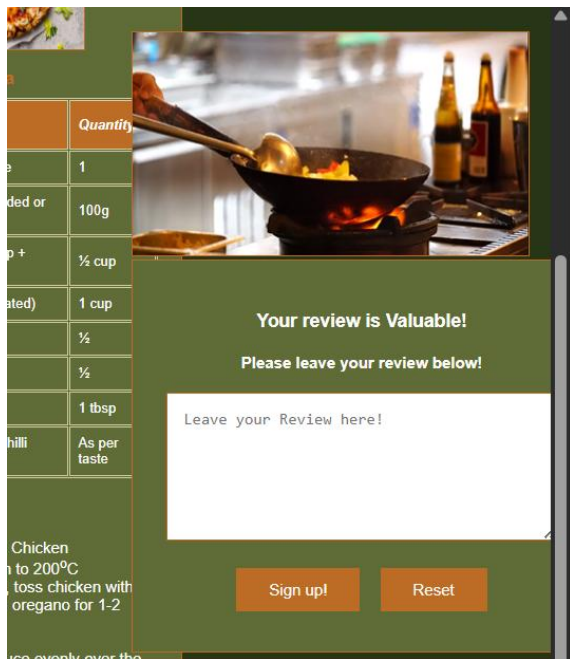
- **CSS positioning properties (static, relative, absolute, fixed, sticky) created sophisticated layout systems with precise element placement.**
 - **Fixed positioning enabled persistent sidebars and multimedia elements that remain visible during page scrolling.**
 - **Sticky positioning provided dynamic behavior for video containers that stay in viewport.**
 - **Float-based layouts combined with positioning created responsive multi-column designs.**
 - **Google Fonts integration enhanced typography with professional Montserrat and Roboto fonts.**
 - **Consistent color schemes maintained visual branding across positioned elements.**
-

1. Kitchen.html (Practicum-5/Website-1)

a. Fixed Sidebar Layout System

- Fixed positioning creates persistent sidebar with multimedia and review sections.

```
.sidebar-sticky {  
    position: fixed;  
    top: 0;  
    right: 0;  
    height: 100%;  
    width: 400px;  
}
```



- This creates a modern layout where sidebar content remains accessible during scrolling.

b. Sticky Video Positioning

- Sticky positioning for hero video that follows scroll behavior.

```
.hero-video {
  position: sticky;
  top: 32px;
  width: 400px;
}
```



- Provides dynamic video placement that adapts to user scroll position.

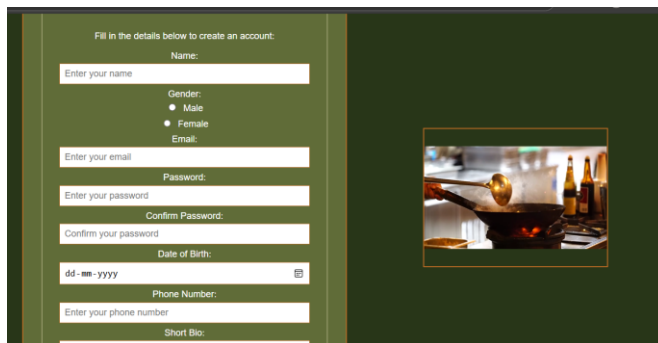
2. Signup Pages

a. Fixed Video Positioning

- Fixed positioned multimedia elements for enhanced visual appeal.

```
.signup-video video {  
    position: fixed;  
    top: 200px;  
    right: 100px;  
}
```

- Creates floating video elements during form interaction.

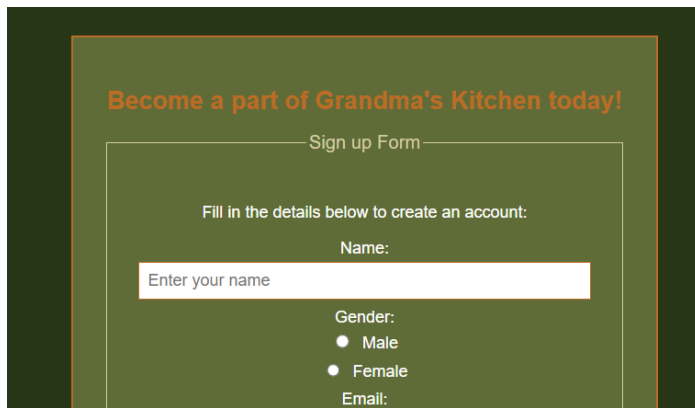


b. Static Form Positioning

- Default positioning maintains proper document flow for forms.

```
form {  
    position: relative;  
}  
  
fieldset {  
    position: static;  
}
```

- Ensures form accessibility and proper layout behavior



3. positioning-demo.html (Practicum-5/Demo)

a. Comprehensive Positioning Demonstrations

- Educational examples of all positioning types with visual clarity.

```
.relative {  
    position: relative;  
    top: 25px;  
    left: 35px;  
    background-color: #27ae60;  
}  
.absolute {  
    position: absolute;  
    top: 15px;  
    right: 15px;  
    background-color: #f39c12;  
}  
.fixed {  
    position: fixed;  
    top: 15px;  
    right: 15px;  
    background-color: #9b59b6;  
}
```

CSS Positioning

Position: static (default)

No offset properties applied



Behavior: Element follows normal document flow. Offset properties like `top`, `left` have no effect.

Position: relative

Offset: `top: 25px`; `left: 35px`



Behavior: Element remains in document flow but is shifted visually. Space is still reserved at its original location.

- Demonstrates practical positioning behavior with offset properties and color coding.

Summary:

These files demonstrate comprehensive CSS positioning techniques including fixed sidebars, sticky multimedia elements, absolute positioning for precise placement, and float-based layouts. The strategic use of positioning properties creates sophisticated layouts with enhanced user experience through persistent navigation and dynamic content behavior.

-
- The pages' source code has been checked on <https://validator.w3.org/> and the errors found were because of not using CSS for styling the sheet

6. Source Code:

Kitchen.html:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```



```
<meta charset="UTF-8">

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

<title>Grandma's Kitchen!</title>

<link rel="icon" href="../../Recipe/kitchen.png">

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

</head>

<body>

  <header>

    <h1 id="header">Welcome to the Kitchen!</h1>

    <h3>Here are a few recipes for some tasty dishes <del>which are very hard</del>
which can be easily made at home.</h3>

  </header>

  <div class="ambient">

    <span>Click here for ambient music! -></span>

    <audio src="../../Recipe/jazz.mp3" controls autoplay loop>

      Your browser does not support the audio element.

    </audio>

  </div>

  <div class="sidebar-sticky">

    <div class="hero-video">

      <video width="400" autoplay muted loop
onclick="window.open('../../Recipe/cooking.mp4')">

        <source src="../../Recipe/cooking.mp4" type="video/mp4">

        Your browser does not support the video tag.

      </video>

    </div>

    <section class="review-section">

      <h3>Your review is Valuable!</h3>

      <h4>Please leave your review below!</h4>
```

```
<form>

    <textarea name="textarea" id="textarea" placeholder="Leave your Review here!"
rows="6"></textarea><br>

    <input type="submit" value="Sign up!" onclick="window.open('Signup.html');">

    <button type="reset">Reset</button>

</form>
```

```
</section>
```

```
</div>
```

```
<div class="main-content">
```

```
<nav class="recipes-list">
```

```
<a href="#momo">Momo</a>
```

```
<a href="#thickshake">Chocolate Thickshake</a>
```

```
<a href="#pizza">Chicken Pizza</a>
```

```
</nav>
```

```
<section class="recipes-container">
```

```
<!-- MOMO CARD -->
```

```
<div class="recipe-card" id="momo">
```

```

```

```
<h3>Recipe 1: Momos</h3>
```

```
<table class="ingredients-table">
```

```
<tr>
```

```
<th>S no</th>
```

```
<th>Ingredient</th>
```

```
<th>Quantity</th>
```

```
</tr>
```

```
<tr>
```

```
<td>1</td>
```

```
<td>Maida</td>
```

<td>2 cups</td>
</tr>
<tr>
<td>2</td>
<td>Salt</td>
<td>As per taste</td>
</tr>
<tr>
<td>3</td>
<td>Water</td>
<td>Enough to knead</td>
</tr>
<tr>
<td>4</td>
<td>Oil</td>
<td>1 tbsp</td>
</tr>
<tr>
<td>5</td>
<td>Minced Chicken</td>
<td>250g</td>
</tr>
<tr>
<td>6</td>
<td>Medium onion</td>
<td>1</td>
</tr>
<tr>

<td>7</td>

<td>Spring onion</td>

<td>1</td>

</tr>

<tr>

<td>8</td>

<td>Garlic</td>

<td>1 tbsp finely chopped</td>

</tr>

<tr>

<td>9</td>

<td>Ginger</td>

<td>1 tbsp finely chopped</td>

</tr>

<tr>

<td>10</td>

<td>Green Chilli</td>

<td>1 tbsp finely chopped</td>

</tr>

<tr>

<td>11</td>

<td>Pepper</td>

<td>0.5 tbsp</td>

</tr>

<tr>

<td>12</td>

<td>Soy Sauce</td>

<td>1 tsp</td>

</tr>

<tr>

<td>13</td>

<td>Oil</td>

<td>1 tsp</td>

</tr>

</table>

<div class="method-list">

<h4>Method:</h4>

Make the dough

In a bowl, mix flour and salt.

Add water slowly and knead into a smooth, soft dough.

Cover and let it rest for 20–30 mins.

Prepare the filling

In another bowl, mix chicken, onion, garlic, ginger, chilli, salt, pepper, soy sauce, and oil.

Stir well so the flavours combine.

Shape the momos

Divide dough into small balls.

Roll each into a thin circle (like small puris).

Place 1 spoon of filling in the centre.

```
<li>Fold and pleat the edges to seal (half-moon or round shape).</li>
</ul>
</li>
<li>Steam them
  <ul>
    <li>Place momos in a greased steamer (or use a plate inside a big vessel
with a lid).</li>
    <li>Steam for 10–12 mins until dough is cooked and slightly glossy.</li>
    <li><strong>Serve hot!</strong></li>
  </ul>
</li>
</ol>
<p>Best enjoyed with spicy chutney or tomato–chilli sauce.</p>
</div>
<a class="back-link" href="#header">Back to top</a>
<h4>Watch the video for a quick guide!</h4>
<iframe src="https://www.youtube.com/embed/lRI17-
vJvRc?si=Z4iRFBuog3aTCqB6" title="YouTube video player" allow="accelerometer;
autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share"
referrerpolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>
</div>
<!-- THICKSHAKE CARD -->
<div class="recipe-card" id="thickshake">
  
  <table class="ingredients-table">
    <tr>
      <th>S no</th>
      <th>Ingredient</th>
      <th>Quantity</th>
    </tr>
```

	1
	Cold Milk(Full cream for best thickness)
	2 cups

	2
	Chocolate Ice Cream
	4 Scoops

	3
	Chocolate Syrup
	3-4 tbsp chocolate syrup(or cocoa powder+sugar)

	4
	Whipped Cream
	As needed

	5
	Chocolate sprinkles(optional)
	As needed

<h4>Method:</h4>

Blend it

In a blender, add milk, chocolate ice cream, and chocolate syrup.

Blend for about 30–40 seconds until smooth and creamy.

Serve

Pour into chilled glasses.

Top with whipped cream, chocolate syrup drizzle, and shavings if you want it fancy.

Enjoy

Serve immediately with a straw or spoon (it'll be thick).

<p>If you want it extra thick, just reduce milk to 1½ cups or add 1 more scoop of ice cream!</p>

</div>

Back to top

<h4>Watch the video for a quick guide!</h4>

<iframe src="https://www.youtube.com/embed/v-dBAqmGK7E?si=q1JJSnVx-CNp7LJw" title="YouTube video player" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerpolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>

</div>

<!-- PIZZA CARD -->

<div class="recipe-card" id="pizza">

<h3>Recipe 3: Chicken Pizza</h3>

<table class="ingredients-table">

<tr>

<th>S no</th>

<th>Ingredient</th>

<th>Quantity</th>

</tr>

<tr>

<td>1</td>

<td>ready-made pizza base</td>

<td>1</td>

</tr>

<tr>

<td>2</td>

<td>cooked chicken (shredded or diced)</td>

<td>100g</td>

</tr>

<tr>

<td>3</td>

<td>pizza sauce (or ketchup + oregano)</td>

<td>½ cup</td>

</tr>

<tr>

<td>4</td>

	<td>mozzarella cheese (grated)</td>
	<td>1 cup</td>
</tr>	
	<td>
	<td>5</td>
	<td>onion (sliced)</td>
	<td>½</td>
</tr>	
	<td>
	<td>6</td>
	<td>Capsicum(sliced)</td>
	<td>½</td>
</tr>	
	<td>
	<td>7</td>
	<td>oil/butter</td>
	<td>1 tbsp</td>
</tr>	
	<td>
	<td>8</td>
	<td>Salt, pepper,oregano/chilli flakes</td>
	<td>As per taste</td>
</tr>	

</table>

<div class="method-list">

<h4>Method:</h4>

Prep the oven and the Chicken

```
<ul>
  <li>Preheat the oven to 200<sup>o</sup>C</li>
  <li>Heat oil in a pan, toss chicken with salt, pepper, and oregano for 1-2
mins.</li>
</ul>
</li>
<li>Assemble the pizza
  <ul>
    <li>Spread pizza sauce evenly over the base</li>
    <li>Add half the cheese first.</li>
    <li>Arrange chicken, onion, and capsicum slices. </li>
    <li>Sprinkle remaining cheese on top.</li>
  </ul>
</li>
<li>Bake
  <ul>
    <li>Place pizza on a tray or directly on the oven rack.</li>
    <li>Bake for 8-10 mins until cheese melts and edges turn golden</li>
  </ul>
</li>
<li>Serve
  <ul>
    <li>Sprinkle chilli flakes or extra oregano.</li>
    <li>Slice and enjoy hot</li>
  </ul>
</li>
</ol>
<p>If you want it extra cheesy, add ½ cup more mozzarella or mix in cheddar for
extra flavour.</p>
```

```

</div>

<a class="back-link" href="#header">Back to top</a>

<h4>Watch the video for a quick guide!</h4>

<iframe
src="https://www.youtube.com/embed/z6CmFx32k34?si=ym7NpqbpNPHmFpTk"
title="YouTube video player" allow="accelerometer; autoplay; clipboard-write; encrypted-
media; gyroscope; picture-in-picture; web-share" referrerpolicy="strict-origin-when-cross-
origin" allowfullscreen></iframe>

</div>

</section>

</div>

<h2 style="text-align:center; margin-top:2rem;">Thank You!</h2>

<footer class="footer">

<p>Image Credits:<br>

<a href="../../../Recipe/kitchen.png" target="_blank">Favicon</a><br>

<a href="../../../Recipe/momo.jpg" target="_blank">Momo Image</a><br>

<a href="../../../Recipe/pizza.png" target="_blank">Pizza Image</a><br>

<a href="../../../Recipe/thickshake.png" target="_blank">Chocolate Thickshake</a><br>

<a href="mailto:" target="_blank">Contact me!</a><br>

<a href="../../../Website-2/TekWik.html" target="_blank">Visit TekWik!</a>

</p>

</footer>

</body>

</html>

```

Kitchen.css:

```

body {

    background-color: #283618;

    color: #DDA15E;

```

```
font-family: Arial, sans-serif;
margin: 0;
padding: 0;
text-align: center;
}
```

```
header {
    text-align: center;
    padding: 32px;
}
```

```
.ambient {
    text-align: center;
    margin-bottom: 16px;
}
```

```
.sidebar-sticky {
    position: fixed;
    top: 0;
    right: 0;
    height: 100%;
    width: 400px;
    padding-right: 24px;
}
```

```
.hero-video {
    position: sticky;
    top: 32px;
```

```
width: 400px;  
margin-bottom: 16px;  
}
```

```
.recipes-list {  
  text-align: center;  
  margin-bottom: 32px;  
}
```

```
.recipes-list a {  
  color: #d3cda5;  
  background-color: #606c38;  
  padding: 8px 20px;  
  border: 2px solid #bc6c25;  
  text-decoration: none;  
  font-size: 16px;  
  margin: 8px;  
  display: inline-block;  
}
```

```
.recipes-list a:hover {  
  background-color: #bc6c25;  
  color: white;  
  text-decoration: underline;  
}
```

```
.recipes-container {  
  text-align: center;
```

```
margin-bottom: 32px;  
}
```

```
.recipe-card {  
  background-color: #606c38;  
  color: white;  
  width: 350px;  
  margin: 16px;  
  padding: 24px;  
  border: 2px solid #bc6c25;  
  text-align: left;  
  display: inline-block;  
  vertical-align: top;  
}
```

```
.recipe-card img {  
  width: 200px;  
  height: 200px;  
  border: 2px solid #bc6c25;  
  margin: 0 auto 12px auto;  
  display: block;  
}
```

```
.recipe-card h3 {  
  color: #BC6C25;  
  margin-bottom: 8px;  
  font-size: 18px;  
}
```

```
.ingredients-table {  
    width: 100%;  
    margin-bottom: 16px;  
    border: 1px solid #d3cda5;  
}
```

```
.ingredients-table th, .ingredients-table td {  
    border: 1px solid #d3cda5;  
    padding: 8px;  
    text-align: left;  
    font-size: 14px;  
}
```

```
.ingredients-table th {  
    background-color: #bc6c25;  
    color: white;  
    font-style: italic;  
}
```

```
.method-list {  
    margin-bottom: 16px;  
}
```

```
.recipe-card iframe {  
    margin-top: 16px;  
    width: 300px;  
    height: 170px;
```



```
border: 2px solid #bc6c25;  
}
```

```
.back-link {  
  color: #d3cda5;  
  text-decoration: underline;  
  margin-top: 16px;  
  font-size: 14px;  
}
```

```
.review-section {  
  width: 400px;  
  background-color: #606c38;  
  border: 2px solid #bc6c25;  
  color: white;  
  text-align: center;  
  padding: 32px;  
  margin-top: 32px;  
}
```

```
.review-section textarea {  
  width: 90%;  
  border: 2px solid #bc6c25;  
  padding: 16px;  
  font-size: 16px;  
  margin-bottom: 16px;  
}
```

```
.review-section input, .review-section button {  
    background-color: #bc6c25;  
    color: white;  
    border: 2px solid #bc6c25;  
    padding: 12px 32px;  
    font-size: 16px;  
    margin: 8px;  
}
```

```
.review-section input:hover, .review-section button:hover {  
    background-color: #d3cda5;  
    color: #283618;  
    text-decoration: underline;  
}
```

```
.footer {  
    background-color: #283618;  
    color: #d3cda5;  
    text-align: center;  
    padding: 32px;  
    font-size: 16px;  
    border: 2px solid #bc6c25;  
    clear: both;  
}
```

```
video {  
    border: 2px solid #bc6c25;  
}
```

```
iframe {  
    border: 2px solid #bc6c25;  
}
```

2. Tech Aggregator(Theme based Project):

```
<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
    <meta charset="UTF-8">  
  
    <title>TekWik!</title>  
  
    <link rel="icon" href="../../TekWik/icon.png">  
  
    <link  
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@400;700&family=Roboto:  
wght@400;500&display=swap" rel="stylesheet">  
    <link rel="stylesheet" href="TekWik.css">  
</head>  
  
<body>  
    <div class="news-header">  
          
        <h1 style="display:inline;">TekWik <span style="font-size:1rem;">Do what  
matters!</span></h1>  
        <div class="ambient" style="margin-top:1rem;">  
            <span>Click here for ambient music!</span>  
            <audio src="../../TekWik/TechMusic.mp3" autoplay controls>  
                Your browser does not support the audio element!  
            </audio>  
        </div>  
    </div>
```

```
<div class="main-layout">
```

```
<div class="main-content">
```

```
<div class="featured">
```

```
<video autoplay muted loop>
```

```
<source src="../../TekWik/cooking.mp4" type="video/mp4">
```

```
</video>
```

```
<h3>Grandma's Kitchen Website 3.0!</h3>
```

```
<p><h4>Grandma's Kitchen Website 3.0:Classic recipes meet modern design for a  
vibrant, interactive, and seamless experience!
```

```
</h4>
```

```
<p><a target="_blank" href="../../Website-1/Kitchen.html">Visit now</a></p>
```

```
</div>
```

```
<div class="featured">
```

```

```

```
<h3>Ten Minutes Pitch:</h3>
```

```
<p>Pronto's 10-minute house-help pitch sparked a 3.6x valuation jump in just 90  
days.
```

```
<a target="_blank"
```

```
href="https://techcrunch.com/2025/08/11/slow-ventures-cuts-first-check-from-  
60m-creator-fund-into-woodworking-founder/">
```

```
Visit now</a></p>
```

```
</div>
```

```
<div class="featured">
```


<h3>Grandma's Kitchen Website 2.0</h3>

<h4>Slow Ventures cuts first check from \$60M creator fund into woodworking founder.</h4>

Visit now

</div>

<div class="news-section">

<div class="news-article">

<video width="90" autoplay muted loop>

<source src="../../TekWik/cooking.mp4" type="video/mp4">

Your browser does not support the video tag.

</video>

<h4>Crafted with sleek design and cutting-edge web technology, Grandma's Kitchen now serves classic recipes in a vibrant, interactive, and user-friendly experience!</h4>

<div class="meta">Tie Defender · August 11, 2025</div>

Read more

</div>

<div class="news-article">

<h4>Pixel 10, AI capabilities, and everything else we expect out of the Made by Google 2025 event

</h4>

<div class="meta">Aisha Malik · 9:44 AM PDT · August 12, 2025</div>

Read more

</div>

<div class="news-article">

<h4>Anthropic's Claude AI model can now handle longer prompts</h4>

<div class="meta">Aisha Malik · 9:44 AM PDT · August 12, 2025</div>

Read more

</div>

<div class="news-article">

<h4>A guide to using Edits, Meta's CapCut rival for short-form video editing</h4>

<div class="meta">Aisha Malik · 9:44 AM PDT · August 12, 2025</div>

Read more

</div>

<div class="news-article">

<h4>Anthropic takes aim at OpenAI, offers Claude to 'all three branches of government' for \$1</h4>

<div class="meta">Rebecca Bellan · 9:44 AM PDT · August 12, 2025</div>

Read more

</div>

<div class="news-article">

<h4>Anduril opens solid rocket motor factory amidst ongoing chemical chokepoint</h4>

<div class="meta">Aria Alamalhodaiei · 9:44 AM PDT · August 12, 2025</div>

Read more

</div>

<div class="news-article">

<h4>Google will now let you pick your top sources for search results</h4>

<div class="meta">Ivan Mehta · 9:44 AM PDT · August 12, 2025</div>

Read more

</div>

<!-- Add more news-article blocks if needed -->

</div>

</div>

<div class="sidebar">

```
<div class="headline-list">
```

```
<h2>Top Headlines</h2>
```

```
<ul>
```

```
<li><a target="_blank" href="../Website-1/Kitchen.html">Grandma's Kitchen
now serves classic recipes in a vibrant, interactive, and user-friendly experience!</a></li>
```

```
<li><a target="_blank" href="https://techcrunch.com/2025/08/11/trump-
administration-stops-illegal-freeze-of-5b-ev-charger-funds-after-losing-in-court/">Trump
administration stops illegal freeze of $5B EV charger funds after losing in court</a></li>
```

```
<li><a target="_blank" href="https://techcrunch.com/2025/08/11/ford-throws-
out-henry-fords-assembly-line-to-make-low-cost-evs-in-america/">Ford throws out Henry
Ford's assembly line to make low-cost EVs in America</a></li>
```

```
<li><a target="_blank" href="https://techcrunch.com/2025/08/11/ios-26-beta-6-
adds-new-ringtones-snappy-app-launches-and-more/">iOS 26 beta 6 adds new ringtones,
snappy app launches, and more</a></li>
```

```
<li><a target="_blank" href="https://techcrunch.com/2025/08/10/security-flaws-
in-a-carmakers-web-portal-let-one-hacker-remotely-unlock-cars-from-anywhere/">Security
flaws in a carmaker's web portal let one hacker remotely unlock cars from
anywhere</a></li>
```

```
</ul>
```

```
</div>
```

```
<hr style="border: 1px solid #d3cda5; margin: 2rem 0;">
```

```
<h2>Intrested Tech Topics</h2>
```

```
<ul style="list-style:none; padding:0;">
```

```
<li><input type="checkbox" id="ai" name="topic_ai"><label for="ai">
AI</label></li>
```

```
<li><input type="checkbox" id="hardware" name="topic_hardware"><label
for="hardware"> Hardware</label></li>
```

```
<li><input type="checkbox" id="apps" name="topic_apps"><label for="apps">
Apps</label></li>
```


<input type="submit" value="Submit" onclick="window.open('Signup.html');" class="submit-button">

<hr style="border: 1px solid #d3cda5; margin: 2rem 0;">

<div class="news-section">

<h2>Most Popular</h2>

The computer science dream has become a nightmare

Sam Altman addresses ‘bumpy’ GPT-5 rollout, bringing 4o back, and the ‘chart crime’

Tesla shuts down Dojo, the AI training supercomputer that Musk said would be key to full self-driving

Key sections of the US Constitution deleted from government’s website

Instagram takes on Snapchat with new ‘Instagram Map’

Google says hackers stole its customers’ data by breaching its Salesforce database

Three weeks after acquiring Windsurf, Cognition offers staff the exit door

<!-- Add more popular links as needed -->

</div>

<hr style="border:1px solid #d3cda5; margin:2rem 0;">

<h2>Sign Up Today!</h2>

<form>

<label for="signup_email">Enter your email to join TekWik:</label>

<input type="email" id="signup_email" name="signup_email" placeholder="your@email.com" required>

<input type="submit" value="Sign Up" onclick="window.open('Signup.html');" class="submit-button">

</form>

<hr style="border:1px solid #d3cda5; margin:2rem 0;">

<picture>

<source srcset="https://techcrunch.com/wp-content/uploads/2025/07/TC25_Disrupt-Color.png" type="image/png">

</picture>

<h4>October 27-29, 2025 | San Francisco</h4>

<p>Put your brand in front of 10,000+ tech and VC leaders across all three days of Disrupt 2025. Amplify your reach, spark real connections, and lead the innovation charge. Secure your exhibit space before your competitor does.</p>

[Book Your Table here!](https://techcrunch.com/events/tc-disrupt-2025/exhibit/?promo=rightrail_disrupt2025exhibit&utm_campaign=disrupt2025&utm_content=exhibit&utm_medium=ad&utm_source=tc)

</div>

</div>

<footer class="footer">

<p>© 2025 TekWik. All rights reserved.</p>

</footer>

</body>

</html>

TekWik.css:

```
body {  
    background-color: #283845;  
    color: #F2D492;  
    font-family: Arial, sans-serif;  
    margin: 0;  
    padding: 0;  
    text-align: center;  
    position: static;  
}
```

```
a {  
    color: #F2D492;  
    text-decoration: none;  
}
```

```
a:hover {  
    color: #bc6c25;  
    text-decoration: underline;  
}
```

```
.news-header {  
    background-color: #606c38;  
    padding: 32px;  
    text-align: center;  
    border: 2px solid #bc6c25;  
    position: relative;  
}
```

```
.news-header img {  
    height: 40px;  
    margin-right: 16px;  
}
```

```
.ambient {  
    text-align: center;  
    margin-bottom: 16px;  
    position: relative;  
}
```

```
.main-layout {  
    width: 90%;  
    margin: 32px auto;  
    position: relative;
```

```
}
```

```
.main-content {  
  width: 65%;  
  float: left;  
  position: static;  
}
```

```
.sidebar {  
  width: 25%;  
  left: 65%;  
  display: inline-block;  
  background-color: #606c38;  
  padding: 24px;  
  color: white;  
  border: 2px solid #bc6c25;  
  margin-left: 16px;  
  
}
```

```
.headline-list {  
  margin-bottom: 32px;  
  
}
```

```
.headline-list h2 {  
  color: #bc6c25;
```

```
margin-bottom: 16px;
font-size: 20px;
}
```

```
.headline-list ul {
padding-left: 16px;
}
```

```
.featured {
margin-bottom: 32px;
background-color: #606c38;
padding: 24px;
color: white;
border: 2px solid #bc6c25;
text-align: left;
position: relative;
}
```

```
.featured img, .featured video {
width: 100%;
margin-bottom: 16px;
border: 2px solid #bc6c25;
}
```

```
.featured h3 {
color: #bc6c25;
margin-bottom: 8px;
font-size: 18px;
```

```
}
```

```
.news-section {  
    margin-bottom: 32px;  
}
```

```
.news-article {  
    margin-bottom: 32px;  
    padding-bottom: 16px;  
    border-bottom: 1px solid #d3cda5;  
    position: static;  
}
```

```
.news-article h4 {  
    color: #bc6c25;  
    margin-bottom: 8px;  
    font-size: 16px;  
}
```

```
.news-article .meta {  
    font-size: 14px;  
    color: #d3cda5;  
    margin-bottom: 8px;  
}
```

```
.news-article img {  
    height: 50px;  
    width: auto;
```

```
margin-right: 16px;  
border: 1px solid #bc6c25;  
}
```

```
.feedback-section {  
margin-top: 32px;  
background-color: #606c38;  
padding: 24px;  
color: white;  
text-align: center;  
border: 2px solid #bc6c25;  
clear: both;  
position: relative;  
}
```

```
.feedback-section textarea {  
width: 90%;  
border: 1px solid #bc6c25;  
padding: 16px;  
font-size: 16px;  
margin-bottom: 16px;  
}
```

```
.feedback-section input, .submit-button {  
background-color: #bc6c25;  
color: white;  
border: 2px solid #bc6c25;  
padding: 12px 32px;
```



```
font-size: 16px;
margin: 8px;
}
```

```
.feedback-section input:hover, .submit-button:hover {
background-color: #d3cda5;
color: #283845;
text-decoration: underline;
}
```

```
.footer {
background-color: #283845;
color: #d3cda5;
text-align: center;
padding: 32px;
font-size: 16px;
clear: both;
position: static;
}
```

Demo Page:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" >
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>CSS Positioning Demo</title>
<style>
```

```
body {  
    font-family: Arial, sans-serif;  
    margin: 35px;  
    color: #333;  
}
```

```
section {  
    margin-bottom: 60px;  
    padding: 20px;  
    border: 1px solid #ccc;  
    border-radius: 8px;  
}
```

```
.box {  
    width: 140px;  
    height: 90px;  
    background-color: #e74c3c;  
    color: white;  
    padding: 12px;  
    margin: 12px;  
    text-align: center;  
}
```

```
.static {  
    position: static;  
}
```

```
.relative {
```

```
position: relative;
top: 25px;
left: 35px;
background-color: #27ae60;
}
```

```
.absolute-wrapper {
position: relative;
height: 200px;
background-color: #f0f0f0;
}
```

```
.absolute {
position: absolute;
top: 15px;
right: 15px;
background-color: #f39c12;
}
```

```
.fixed {
position: fixed;
top: 15px;
right: 15px;
background-color: #9b59b6;
z-index: 1000;
}
```

```
.sticky-wrapper {
```

```
height: 300px;
overflow-y: scroll;
border: 1px solid #aaa;
}
```

```
.sticky {
  position: sticky;
  top: 0;
  background-color: #34495e;
}
```

```
.label {
  font-weight: bold;
  margin-bottom: 8px;
  display: block;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>CSS Positioning</h1>
```

```
<section>
```

```
<h2>Position: static (default)</h2>
```

```
<span class="label">No offset properties applied</span>
```

```
<div class="box static">Static Position</div>
```

```
<p><strong>Behavior:</strong> Element follows normal document flow. Offset properties like <code>top</code>, <code>left</code> have no effect.</p>
```

```
</section>
```

<section>

<h2>Position: relative</h2>

Offset: top: 25px; left: 35px

<div class="box relative">Relative Position</div>

<p>Behavior: Element remains in document flow but is shifted visually. Space is still reserved at its original location.</p>

</section>

<section>

<h2>Position: absolute</h2>

<div class="absolute-wrapper">

Offset: top: 15px; right: 15px

<div class="box absolute">Absolute Position</div>

</div>

<p>Behavior: Removed from document flow. Positioned relative to nearest ancestor with <code>position: relative</code>, <code>absolute</code>, or <code>fixed</code>.</p>

</section>

<section>

<h2>Position: fixed</h2>

Offset: top: 15px; right: 15px

<div class="box fixed">Fixed Position</div>

<p>Behavior: Anchored to the viewport. Remains visible during scroll. Useful for sticky headers, floating buttons, etc.</p>

</section>

<section>

<h2>Position: sticky</h2>

```
<div class="sticky-wrapper">
```

```
  <span class="label">Offset: top: 0</span>
```

```
  <div class="box sticky">Sticky Position</div>
```

```
  <p style="margin-top: 300px;">Scroll down to see sticky behavior.</p>
```

```
</div>
```

<p>Behavior: Acts like <code>relative</code> until scroll threshold is met, then sticks to defined offset.</p>

```
</section>
```

```
<section>
```

```
  <h2>Offset Properties: Default vs. Explicit</h2>
```

<p>Default: When <code>top</code>, <code>left</code>, <code>right</code>, <code>bottom</code> are not specified, they default to <code>auto</code>, meaning no offset is applied.</p>

<p>Explicit: Setting values like <code>top: 20px</code> or <code>left: 30px</code> moves the element based on its positioning context.</p>

```
  <ul>
```

```
    <li><code>auto</code> = browser decides placement (usually no movement)</li>
```

```
    <li>Explicit values = override default and reposition element</li>
```

```
  </ul>
```

```
</section>
```

```
</body>
```

```
</html>
```

7.Output:

Kitchen!:

Welcome to the Kitchen!
Here are a few recipes for some tasty dishes which are very hard which can be easily made at home.

Click here for ambient music :->

0:00 / 7:49

MomoChocolate ThickshakeChicken Pizza



Recipe 1: Momo

S.no	Ingredient	Quantity
1	Maida	2 cups
2	Salt	As per taste
3	Water	Enough to knead
4	Oil	1 tsp
5	Minced Chicken	250g
6	Medium onion	1
7	Spring onion	1
8	Garlic	1 tbsp finely chopped
9	Chili	1 tbsp finely chopped
10	Green Chili	1 tbsp finely chopped
11	Pepper	0.5 tsp
12	Soy Sauce	1 tsp
13	Oil	1 tsp

Method:
1. Make the dough
• In a bowl, mix flour and salt.
• Add water slowly and knead into a smooth, soft dough.
• Cover and let it rest for 20-30 mins.
2. Prepare the filling
• In another bowl, mix chicken, onion, garlic, ginger, chili, salt, pepper, soy sauce, and oil.
• Stir well so the flavours combine.
3. Shape the momos
• Divide dough into small balls.
• Roll each into a thin circle (like small puris).
• Place 1 spoon of filling in the centre.
• Fold and pleat the edges to seal (half-moon or round shape).
4. Steam them
• Place momos in a greased steamer (or use a plate inside a big vessel with a lid).
• Steam for 10-12 mins until dough is cooked and slightly glossy.
• Serve hot!
Best enjoyed with spicy chutney or tomato-chili sauce.

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Recipe 2: Chocolate Thickshake

S.no	Ingredient	Quantity
1	Cold Milk (full cream for best thickness)	2 cups
2	Chocolate Ice Cream	4 Scoops
3	Chocolate Syrup	3-4 tbsp chocolate syrup (or cocoa powder+sugar)
4	Whipped Cream	As needed
5	Chocolate sprinkles (optional)	As needed

Method:
1. Blend it
• In a blender, add milk, chocolate ice cream, and chocolate syrup.
• Blend for about 30-40 seconds until smooth and creamy.
2. Serve
• Pour into chilled glasses.
• Top with whipped cream, chocolate syrup drizzle, and shavings if you want it fancy.
3. Enjoy
• Serve immediately with a straw or spoon (it'll be thick).

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Recipe 3: Chicken Pizza

S.no	Ingredient	Quantity
1	ready-made pizza base	1
2	cooked chicken (shredded or diced)	100g
3	pizza sauce (or ketchup + oregano)	1/2 cup
4	mozzarella cheese (grated)	1 cup
5	onion (sliced)	1/2
6	Capicum(sliced)	1/2
7	salad (optional)	1 tsp
8	Salt, pepper, oregano/chili flakes	As per taste

Method:
1. Prep the oven and the Chicken
• Preheat the oven to 200°C.
• Heat oil in a pan, toss chicken with salt, pepper, and oregano for 1-2 mins.
2. Assemble the pizza
• Spread pizza sauce evenly over the base.
• Add half the cheese first.
• Arrange chicken, onion, and capsicum.
• Sprinkle remaining cheese on top.
3. Bake
• Place pizza on a tray or directly on the oven rack.
• Bake for 8-10 mins until cheese melts and edges turn golden.
4. Serve
• Sprinkle chili flakes or extra oregano.
• Slice and enjoy hot.
If you want it extra cheesy, add 1/2 cup more mozzarella or mix in cheddar for extra flavour.

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Please leave your review below!

Leave your Review here!

Sign up!Reset

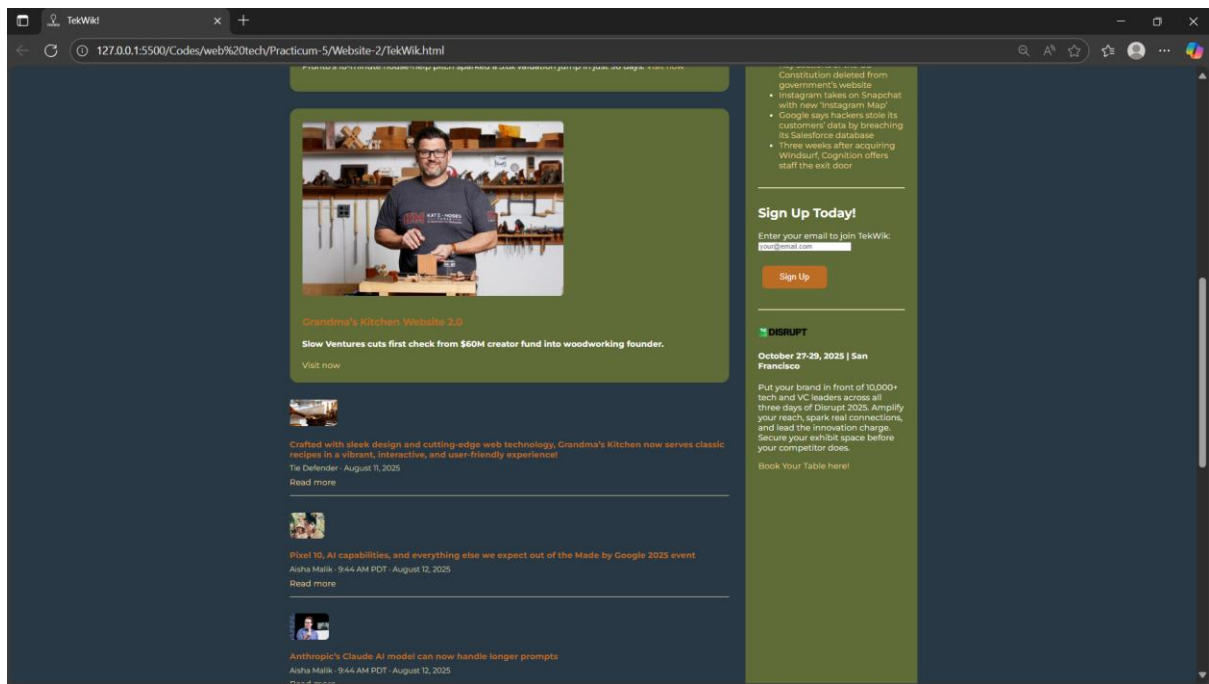
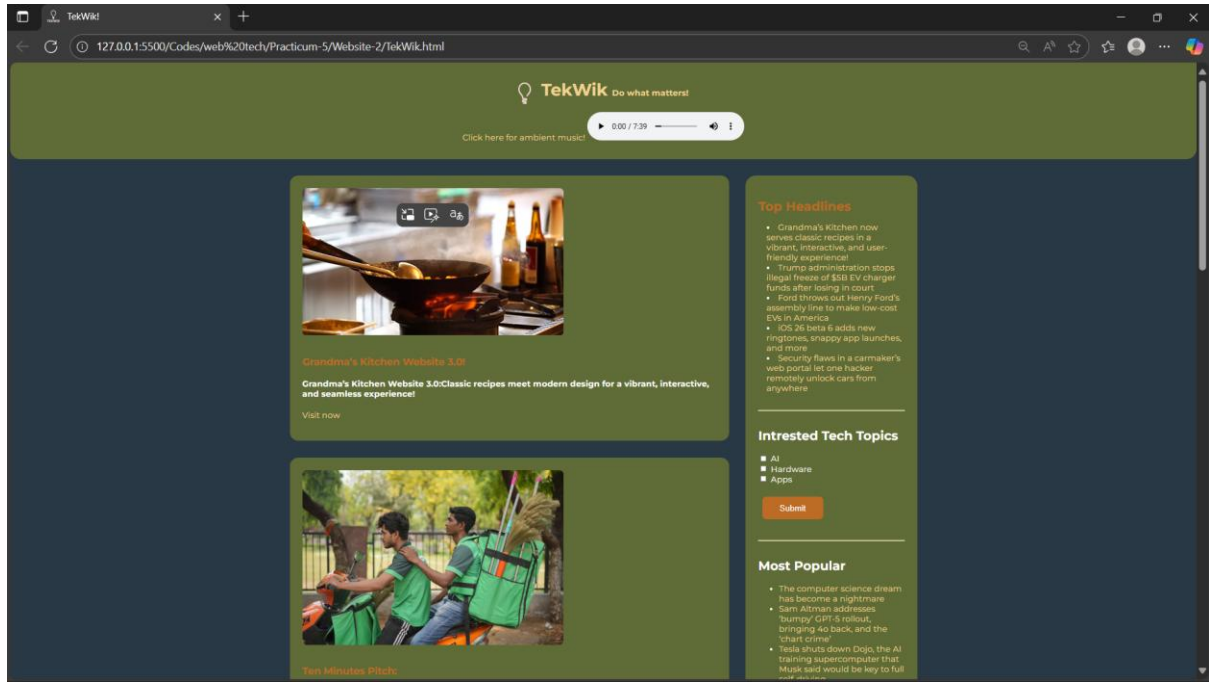


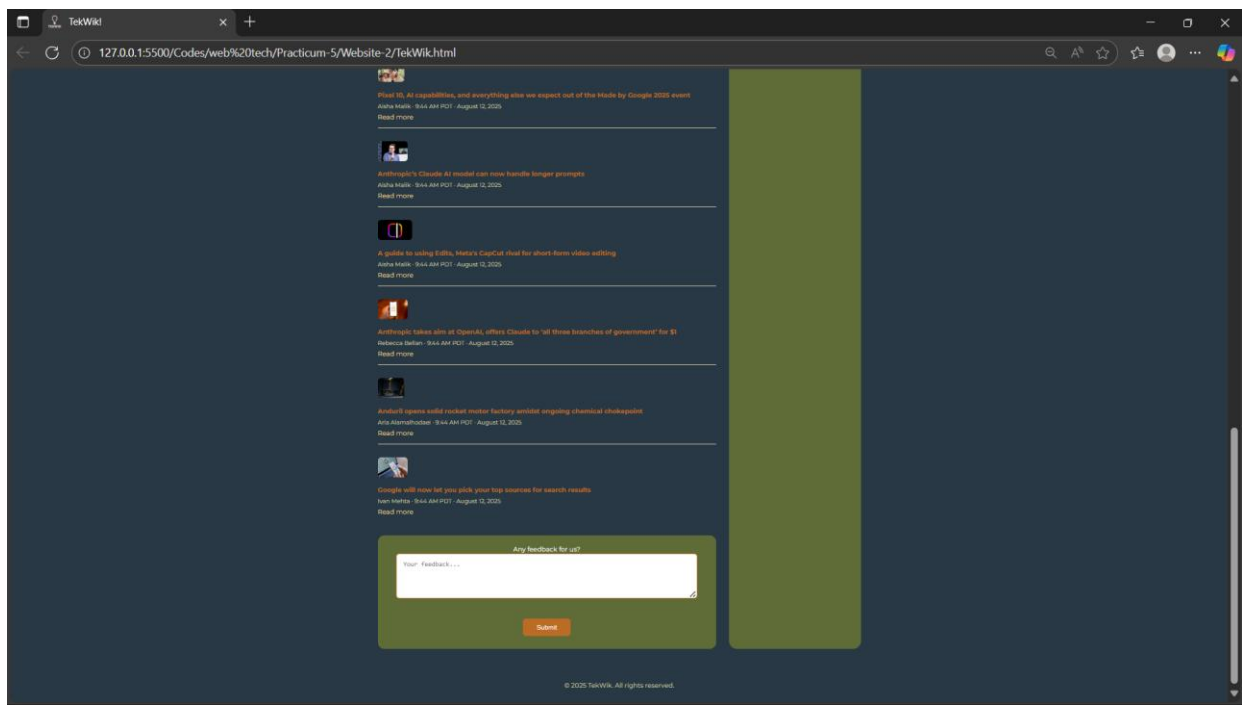


Thank You!

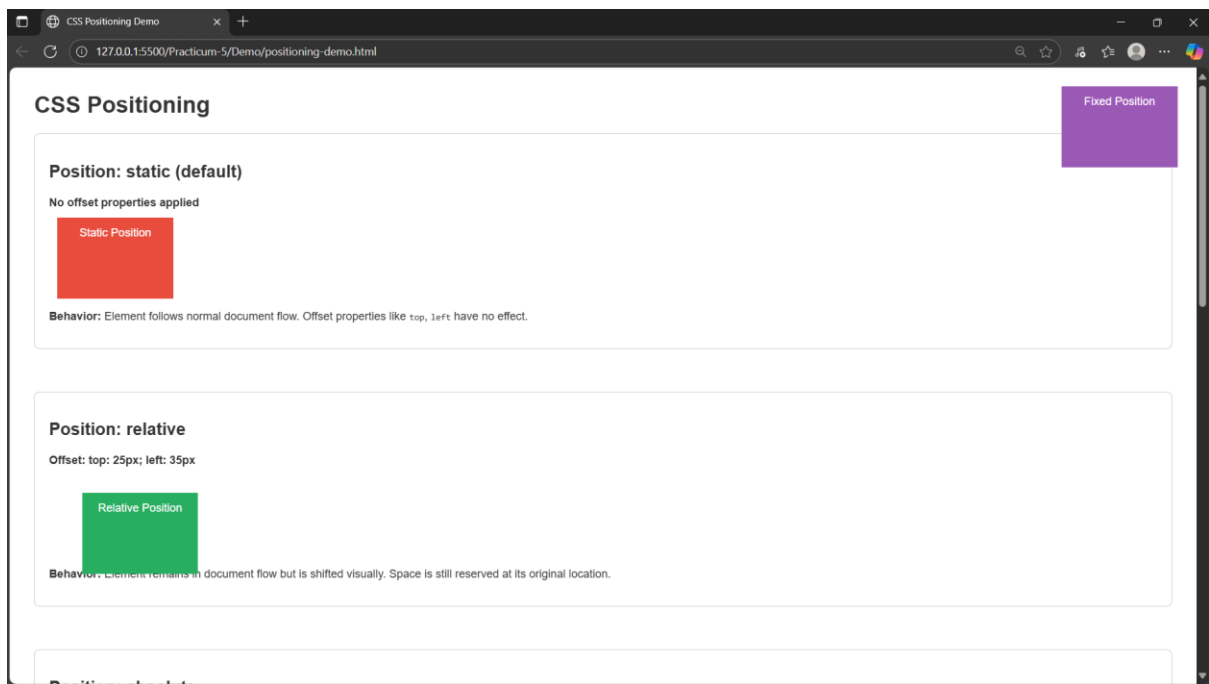
Image Credits:
• Momos
• Thick Chocolate Milkshake
• Chicken Pizza Recipe
• Chicken Momo Recipe
• Chicken Momo Recipe
• Chicken Momo Recipe

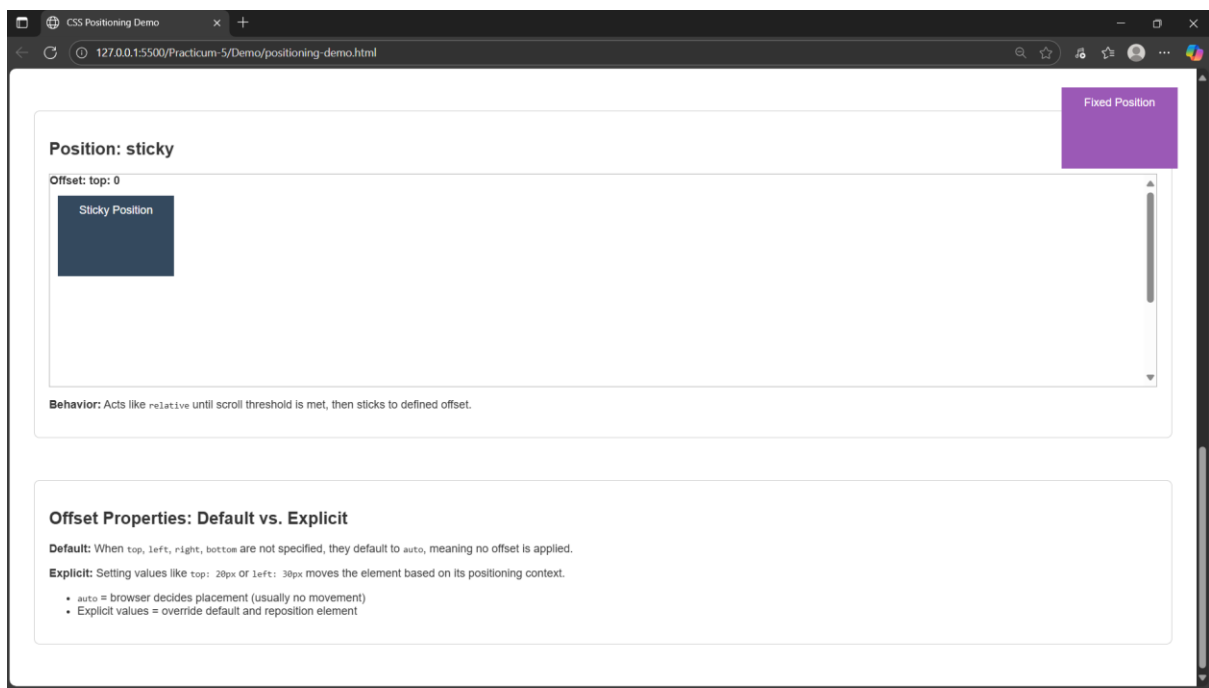
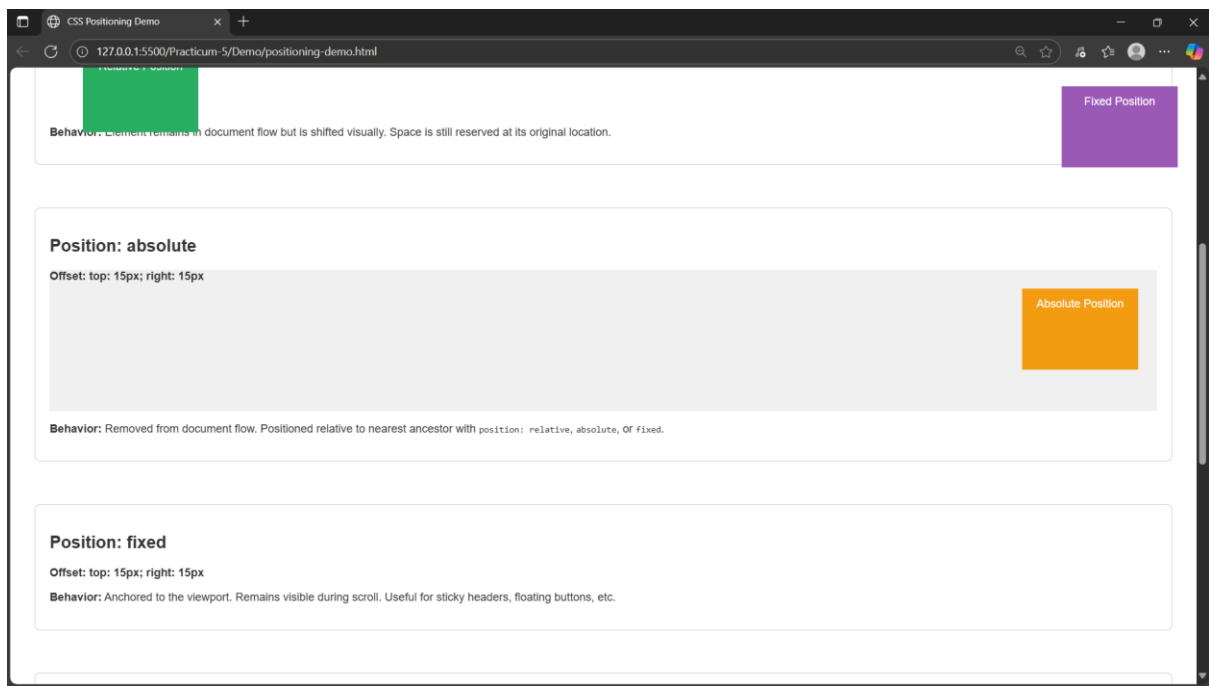
Tech News Aggregator(TekWik!):





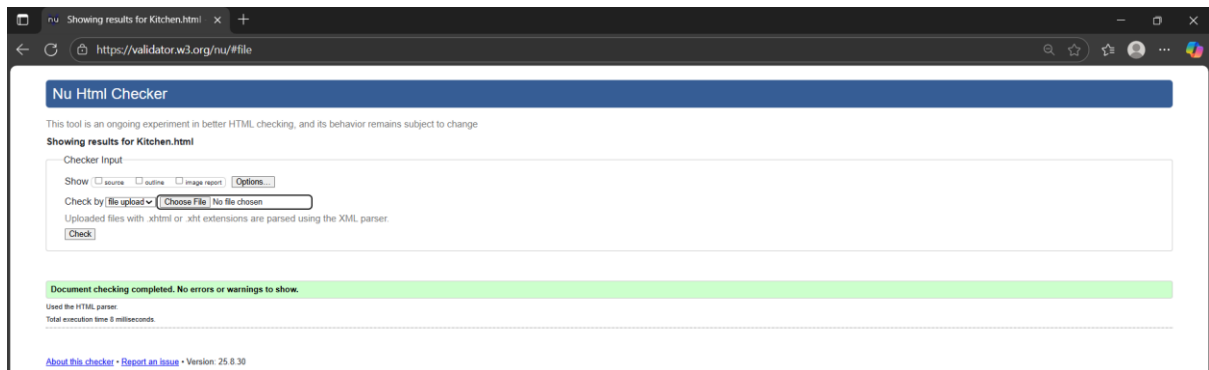
CSS Demo Page:



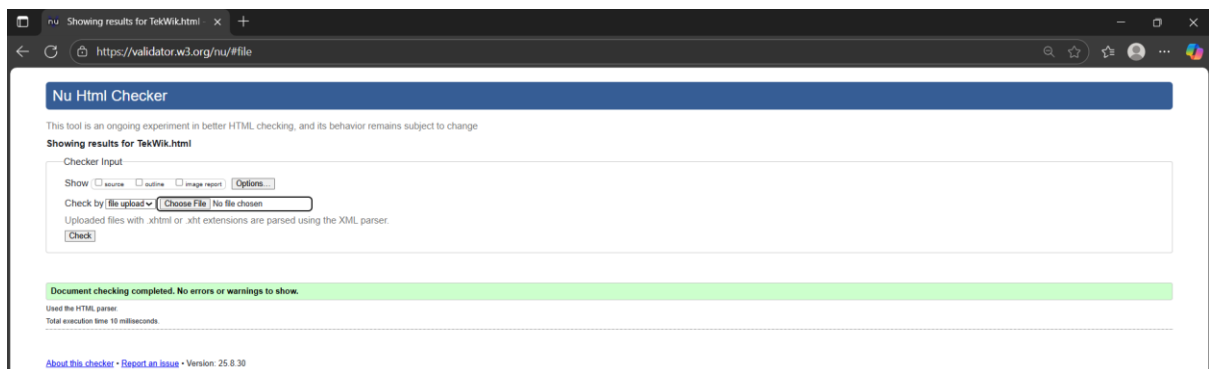


7.2: Validation output:

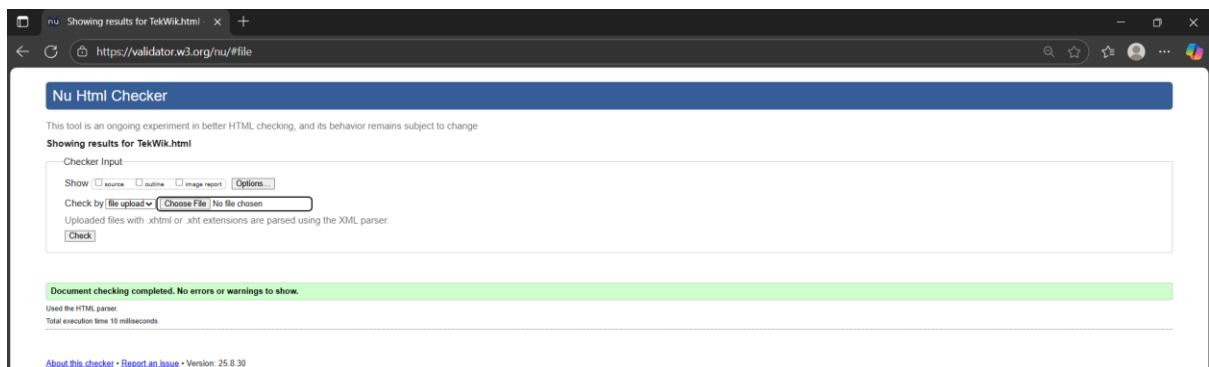
Grandma's Kitchen:



Tech news Aggregator:



CSS Demo page:



8. Results:

The Desired webpage for

- Kitchen
- Tech news aggregator(Theme based project)
- CSS Demo (position property)

Has been successfully made

9. Interpretation of Results:

Kitchen: This website has 3 recipes which was made using HTML and CSS

Tech News aggregator: This website contains latest tech news updated regularly.

CSS Demo: This website showcases the different ways the position property can be used in a website.

10. Conclusion:

The webpage was successfully enhanced by integrating CSS styling with HTML structure, incorporating multimedia elements (audio and video), and implementing form validation. The project demonstrated advanced web development techniques including internal and external CSS styling, HTML5 form validation with pattern matching. The result is a professionally styled, interactive signup form that maintains W3C compliance while providing improved user experience through visual design and multimedia integration.

Test Cases:

Test Case Report: 1

<u>Test Title/Name</u>	Requirement Testing
<u>Module Name</u>	Grandma's kitchen.html
<u>Test Priority</u>	High
<u>Test Designed By</u>	Roshan Anand Seeli
<u>Test Reviewed By</u>	Dr. I Titus
<u>Test Designed Date</u>	08-09-2025
<u>Test Executed By</u>	Roshan Anand Seeli
<u>Test Execution Date</u>	11-09-2025
<u>Test Summary</u>	<p>This test validates the enhanced "Grandma's Kitchen" webpage featuring CSS-styled recipe displays, multimedia integration, and interactive elements. The test scope includes webpage loading with custom styling, recipe navigation with hover effects, formatted ingredient tables with CSS borders, optimized image display with styling, interactive footer links, embedded audio/video elements, and form validation functionality. The testing ensures proper CSS rendering, multimedia playback, responsive design elements, and cross-browser compatibility for the styled recipe website.</p>
<u>Findings:</u>	<ul style="list-style-type: none">• The webpage meets all expected functional requirements.• Navigation and content organization are working as intended.• No major defects were found.
<u>Pre-Requisites</u>	Visual Studio code Google Chrome or any modern web browser for execution
<u>Dependencies</u>	Not Applicable

Test Cases – Grandma's Kitchen Webpage

Test Case ID	Module / Feature	Test Scenario / Description	Input Data	Expected Output	Actual Output	Status (Pass/Fail)	Remarks / Notes
TC001	Loading of Webpage	Check if the page loads in the browser	URL	Web page gets loaded	Yes	Pass	
TC002	Basic Structure	Check the basic HTML5 structure	Not Applicable	HTML5 standard to be adhered	Yes	Pass	
TC003	Navigation Links	Check links in recipe table redirect correctly	Click on recipe links	Page scrolls to recipe section	Yes	Pass	
TC004	Recipe Images	Check if images load beside recipes	N/A	Images appear correctly	Yes	Pass	
TC005	Back to Top	Check 'Back to top' links function	Click on 'Back to top'	Page scrolls to header	Yes	Pass	
TC006	Ingredient Tables	Check if tables are displayed with proper formatting	N/A	Tables with rows and columns appear	Yes	Pass	
TC007	Footer Links	Check image credits open correctly	Click footer links	Linked images open in new tab	Yes	Pass	
TC008	Cross-browser Check	Verify consistency across browsers	Open in Chrome/Firefox	Layout is consistent	Yes	Pass	
TC009	Embedded Content Functionality	Check that <iframe>, element render content (YouTube videos, images, external links) without errors.	Attempt to interact with the embedded content (e.g., play YouTube video, view adaptive image, open external link).	Embedded media displays correctly, is responsive, and does not break page layout.	Yes	Pass	
TC010	Review Textarea	“Great recipes!”	Text accepted		Yes	Pass	
TC011	Review Textarea	Verify large input handling	Paste 200+ chars	Full text accepted (no cut-off)	Yes	Pass	
TC012	Review Form	Verify review submission opens Signup page	Click Submit	Signup.html opens	Yes	Pass	
TC013	Reset Button	Verify reset clears review	Enter text → Reset	Textarea cleared	Yes	Pass	
TC014	Embedded Video	Verify YouTube iframe loads properly	Click play	Video plays inside page	Yes	Pass	
TC015	Checkbox/Buttons	Verify multiple clicks don't duplicate submissions	Submit twice	Still redirects once	Yes	Pass	
TC016	CSS Styling	Verify custom color scheme and fonts render correctly	N/A	Page displays with	Yes	Pass	

				#283845 background, cursive fonts			
TC017	Audio Element	Check ambient music controls functionality	Click play/pause	Audio plays/pauses correctly	Yes	Pass	
TC018	Video Autoplay	Verify embedded video autoplays and loops	Page load	Video starts automatically and loops	Yes	Pass	
TC019	Form Validation	Test password pattern validation	Invalid password	Error message displayed	Yes	Pass	
TC020	Hover Effects	Check button hover state changes	Hover over submit button	Background color changes to #d3cda5	Yes	Pass	
TC021	Responsive Design	Verify form adapts to different screen sizes	Resize browser	Form maintains proper layout	Yes	Pass	
TC022	JavaScript Alert	Test form submission alert functionality	Click submit	Alert shows "Your application will be processed"	Yes	Pass	
TC023	Video Click Functionality	Verify hero video opens external link when clicked	Click on main video	New window opens with cooking.mp4	Yes	Pass	
TC024	Sticky Sidebar Positioning	Check if sidebar remains fixed during page scroll	Scroll down page	Sidebar stays in fixed position on right	Yes	Pass	
TC025	Recipe Card Hover Effects	Verify recipe navigation links change appearance on hover	Hover over recipe links	Background changes to #bc6c25, text becomes white	Yes	Pass	
TC026	Media Query Responsiveness	Test layout adaptation at 1100px breakpoint	Resize browser to 1100px width	Sidebar becomes static, layout adjusts	Yes	Pass	
TC027	Table Border Styling	Verify ingredient tables display with proper borders and colors	Load page and view recipe tables	Tables show with #d3cda5 borders, #bc6c25 headers	Yes	Pass	

Test Case Report: 2

<u>Test Title/Name</u>	Requirement Testing
<u>Module Name</u>	TekWik.html
<u>Test Priority</u>	High
<u>Test Designed By</u>	Roshan Anand Seeli
<u>Test Reviewed By</u>	
<u>Test Designed Date</u>	8-9-2025
<u>Test Executed By</u>	Roshan Anand Seeli
<u>Test Execution Date</u>	11-09-2025
<u>Test Summary</u>	This test validates the static HTML webpage “TekWik,” which functions as a tech news aggregator. The test scope includes webpage loading, article links, top headlines, image rendering, lists, and event advertisement sections.
<u>Findings:</u>	<ul style="list-style-type: none">• All hyperlinks and article redirections work correctly.• Content formatting using tables and lists is displayed properly.• No broken links or missing resources were detected.
<u>Pre-Requisites</u>	Visual Studio code Google Chrome or any modern web browser for execution
<u>Dependencies</u>	Not Applicable

Test Cases – TekWik Webpage

Test Case ID	Module / Feature	Test Scenario / Description	Input Data	Expected Output	Actual Output	Status (Pass/Fail)	Remarks / Notes
TC001	Loading of Webpage	Check if the page loads in the browser	URL	Page loads with TekWik title/logo	Yes	Pass	
TC002	Favicon	Check if favicon is displayed	N/A	Favicon appears in tab	Yes	Pass	
TC003	Article Links	Verify news article links open correctly	Click on article links	Redirects to TechCrunch articles	Yes	Pass	
TC004	Top Headlines	Verify top headlines links	Click headlines	Opens correct article	Yes	Pass	
TC005	Image Display	Verify images load beside articles	N/A	Images load properly	Yes	Pass	
TC006	Most Popular List	Verify unordered list formatting	N/A	Bullet list appears	Yes	Pass	
TC007	Event Advertisement	Verify Disrupt 2025 event link	Click 'Book Your Table'	Opens TechCrunch events page	Yes	Pass	
TC008	Cross-browser Check	Verify consistency across browsers	Open in Chrome/Firefox	Layout is consistent	Yes	Pass	
TC009	Multimedia Functioning (Video and audio)	Media loads properly, with fallback text displaying if unsupported.	N/A	Media loads properly, with fallback text displaying if unsupported.	Yes	Pass	
TC010	Signup Email	Verify valid email accepted	test@email.com	Accepted	Yes	Pass	
TC011	Signup Email	Verify invalid email rejected	test@, abc.com	Error: invalid email	Yes	Pass	
TC012	Interest Checkboxes	Verify multiple topics can be selected	Check AI + Apps	Both selected	Yes	Pass	
TC013	Interest Checkboxes	Verify unchecked topics don't submit	Leave all unchecked	Form still submits (since not required)	Yes	Pass	
TC014	Feedback Textarea	Verify text input accepted	"Site looks great!"	Accepted	Yes	Pass	
TC015	Feedback Form	Verify submit opens Signup page	Click Submit	Signup.html opens	Yes	Pass	
TC016	Video Preview	Verify embedded video autoplays muted	Load page	Cooking.mp4 plays muted	Yes	Pass	
TC017	CSS Styling	Verify custom color scheme renders correctly	N/A	Page displays with #283845 background, #DDA15E text	Yes	Pass	
TC018	Audio Controls	Check ambient music functionality	Click play/pause/volume	Audio controls work properly	Yes	Pass	
TC019	Form Validation	Test password pattern requirements	Weak password	Validation error shown	Yes	Pass	

TC020	Phone Validation	Test 10-digit phone number pattern	123456789 (9 digits)	Error: must be 10 digits	Yes	Pass	
TC021	Date Input	Verify date picker functionality	Select future date	Date accepted and displayed	Yes	Pass	
TC022	Country Dropdown	Test "Other" country selection	Select "Other"	Other country field enabled	Yes	Pass	
TC023	Required Fields	Test form submission with empty required fields	Leave name empty	Form prevents submission	Yes	Pass	
TC024	Hover Effects	Check button hover state	Hover over submit	Background changes to #d3cda5	Yes	Pass	
TC025	Featured Video Autoplay	Verify featured cooking video autoplays and loops	Load page	Video starts automatically and loops continuously	Yes	Pass	
TC026	Sidebar Layout	Verify sidebar maintains fixed width and positioning	Resize browser window	Sidebar stays at 250px min-width with proper spacing	Yes	Pass	
TC027	News Article Images	Verify all news article thumbnails load with proper dimensions	Load page	All article images display at 50px height with border-radius	Yes	Pass	
TC028	Footer Copyright	Verify footer displays with correct styling and content	Scroll to bottom	Footer shows "© 2025 TekWik. All rights reserved." with #283845 background	Yes	Pass	
TC029	Picture Element Fallback	Verify picture element displays TC Disrupt image correctly	Load page	Disrupt 2025 image loads with height="20" and proper fallback	Yes	Pass	
TC025	Featured Video Autoplay	Verify featured cooking video autoplays and loops	Load page	Video starts automatically and loops continuously	Yes	Pass	

Test Case Report-3:

<u>Test Title/Name</u>	Requirement Testing
<u>Module Name</u>	positioning-demo.html
<u>Test Priority</u>	High
<u>Test Designed By</u>	Roshan Anand Seeli
<u>Test Reviewed By</u>	Dr. I Titus
<u>Test Designed Date</u>	8-09-2025
<u>Test Executed By</u>	Roshan Anand Seeli
<u>Test Execution Date</u>	11-09-2025
<u>Test Summary</u>	<p>This test suite validates the CSS Positioning Demo page functionality, covering all five CSS positioning properties (static, relative, absolute, fixed, sticky) with visual demonstrations and behavioral explanations. The tests verify proper rendering of positioned elements, offset property effects, and interactive scroll behavior for sticky positioning. All test cases focus on educational content accuracy and visual validation of positioning concepts to ensure comprehensive understanding of CSS positioning fundamentals.</p>
<u>Findings:</u>	<ul style="list-style-type: none">• The webpage meets all expected functional requirements.• Navigation and content organization are working as intended.• No major defects were found.
<u>Pre-Requisites</u>	Visual Studio code Google Chrome or any modern web browser for execution
<u>Dependencies</u>	Not Applicable

Test Cases –CSS Demo Webpage

Test Case ID	Module / Feature	Test Scenario / Description	Input Data	Expected Output	Actual Output	Status (Pass/Fail)	Remarks / Notes
TC001	Page Loading	Check if positioning demo page loads correctly	Open positioning-demo.html in browser	Page loads with "CSS Positioning" title and 6 positioning sections	Yes	Pass	
TC002	Static Positioning	Verify static positioning demonstration	View Position: static section	Red box displays in normal document flow with no offset	Yes	Pass	
TC003	Relative Positioning	Test relative positioning with offset values	View Position: relative section	Green box shifted 25px down and 35px right from original position	Yes	Pass	
TC004	Absolute Positioning	Verify absolute positioning within relative container	View Position: absolute section	Orange box positioned at top: 15px, right: 15px within gray wrapper	Yes	Pass	
TC005	Fixed Positioning	Test fixed positioning behavior	View Position: fixed section and scroll page	Purple box remains fixed at top: 15px, right: 15px of viewport during scroll	Yes	Pass	
TC006	Sticky Positioning	Verify sticky positioning scroll behavior	Scroll within sticky wrapper container	Dark blue box sticks to top of container when scrolled	Yes	Pass	
TC007	Educational Content	Test positioning explanations and code examples	Read behavior descriptions and code snippets	Clear explanations of each positioning type with	Yes	Pass	

				proper code formatting			
TC008	Visual Styling	Verify color coding and layout consistency	Visual inspection of all sections	Each positioning type has distinct colors, proper spacing, and bordered sections	Yes	Pass	