Practicum-4

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 document structure with HTML5

- Begin with DOCTYPE html, use html lang="en", head, and body with proper meta tags including viewport for responsiveness.

• Set page title, favicon, and external fonts

- Use title for page names and link rel="icon" for site icons.
- Import Google Fonts using link for Montserrat and Roboto typography.

• Apply CSS styling with embedded stylesheets

- Use style tags to define custom color schemes, backgrounds, and font families.
- Implement CSS variables and consistent theming across both websites.

• Create responsive layouts with CSS Grid and Flexbox

- Use display flex and display grid for modern layout structures.
- Apply max-width, margin auto, and gap properties for spacing and centering.

• Embed multimedia with enhanced styling

- Style audio and video elements with custom controls and autoplay features.
- Apply border-radius, object-fit, and responsive sizing to images and videos.

• Structure content with semantic HTML and CSS cards

- Use semantic tags like header, nav, main, section, and aside.
- Create card-based layouts with CSS styling for recipe cards and news articles.

• Implement interactive elements with CSS transitions

- Add hover effects using hover pseudo-classes and transition properties.

- Style buttons and links with color changes and smooth animations.

• Create responsive navigation and external linking

- Use nav with styled anchor tags and responsive behavior.
- Implement target="_blank" for external links with consistent styling.

• Design forms with CSS styling and validation

- Style form elements using CSS for consistent appearance across browsers.
- Apply custom styling to input, textarea, and button elements.

• Implement responsive design with media queries

- Use media queries to adapt layouts for different screen sizes.
- Apply flex-direction column and responsive grid systems for mobile devices.

• Add visual hierarchy with CSS typography

- Use CSS properties like font-size, color, margin, and padding for content organization.
- Implement consistent heading styles and text formatting.

• Create styled footers and page sections

- Use footer with CSS styling for credits and contact information.
- Apply consistent padding, colors, and typography throughout all sections.

• Validate HTML5 structure and CSS syntax

- Ensure proper nesting of HTML elements and valid CSS properties.
- Test responsive behavior and cross-browser compatibility.

3. Actual Resources used:

Sno	Name of Resource	Broad Specification	Quantity	Remark (if any)
1.	Operating system	Windows 11 Home Single Language	1	
3.	Programming Language	HTML(Hyper text Markup Language)	1	
4.	Software development kit	Not Applicable		
5.	Libraries	Not Applicable		

6.	Graphics/Animation tool	Not Applicable		
7.	Front End tool	VS code, Browser(Microsoft Edge)	1 each	
8.	Back End tool	Not Applicable		
9.	Virtual lab	Not Applicable		
10.	Specific Hardware	Not Applicable		
11.	Simulation/Emulation tool	Browser(Microsoft Edge)	1	

4. Actual Procedure Followed:

Planning & Requirements Gathering

• Identified the purpose of enhanced webpages with modern styling
• Listed required features including responsive design, animations, and interactive elements
• Chose vibrant color schemes, modern layouts, and CSS styling frameworks

Setting Up the Development Environment

• Used VS Code with CSS and HTML extensions
• Created organized project folders with separate directories for stylesheets, images, and multimedia files

Designing the Structure with CSS Enhancement

• Wrote semantic HTML5 structure with proper document flow
• Implemented embedded CSS stylesheets with custom properties and responsive design
• Added interactive elements, hover effects, and smooth transitions

Implementing Responsive Design

• Applied CSS for modern layout systems
• Created media queries for mobile and tablet compatibility
• Tested responsive behavior across different screen sizes

Testing & Debugging

• Opened webpages in multiple browsers to verify CSS compatibility and responsive behavior
• Fixed styling inconsistencies, layout issues, and interactive element functionality
• Validated HTML5 structure and CSS syntax for proper rendering

Finalizing & Deployment

• Reviewed webpages for visual consistency and user experience
• Optimized CSS code and organized all files with proper naming conventions
• Ensured cross-browser compatibility and mobile responsiveness

5. Observation :

- CSS styling transformed basic HTML into visually appealing webpages with modern design.
- Flexbox and CSS Grid created responsive layouts that adapt to different screen sizes.
- Hover effects and transitions enhanced user interaction with smooth animations.
- Media queries enabled mobile-responsive design for cross-device compatibility.
- Custom color schemes and Google Fonts provided professional typography and branding.
- Card-based layouts with border-radius and box-shadow created modern visual hierarchy.

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1. Kitchen.html (Practicum-4/Website-1)
    a. CSS Card-Based Recipe Layout
    - Modern card design using CSS styling creates visually appealing recipe sections.

```
.recipe-card {
background: #606c38;
border-radius: 12px;
padding: 24px 12px 16px 12px;
border: 2px solid #bc6c25;
}
```

    - This creates a modern, Pinterest-style recipe presentation.

    b. CSS Hover Effects on Navigation Links
    - Interactive navigation with smooth color transitions enhances user experience.

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

    This provides immediate visual feedback for better navigation.

    c. Responsive Video Integration with CSS Styling
    - Videos are styled with custom borders and responsive sizing.

```
video {
border: 2px solid #bc6c25;
border-radius: 8px;
object-fit: cover;
}
```

    - Creates consistent multimedia presentation across the site.

Recipe 1: Momos

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

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.

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

Method:

1. Prep the oven and the Chicken

---

2. TekWik.html (Practicum-4/Website-2)

CSS Transitions for Interactive Elements

• Smooth animations on buttons and links using CSS transitions.

```
a {
   transition: color 0.2s;
}
a:hover {
   color: #bc6c25;
}
```

• Enhances user interaction with professional smooth effects

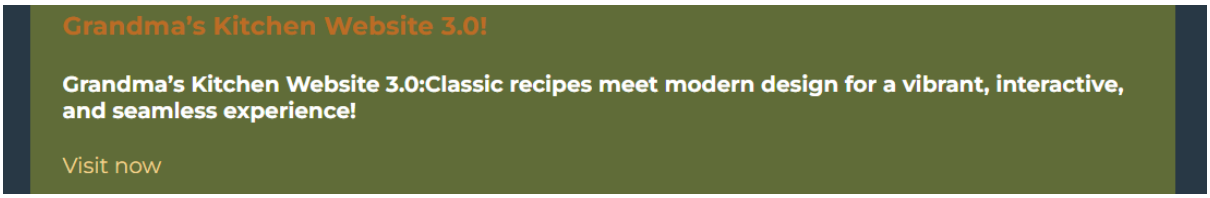
3. Enhanced Styling Features

a. Custom Color Scheme Implementation

- Consistent branding using CSS custom properties and colour variables.

```
body {
background: #283845;
```

color: #F2D492;
font-family: 'Montserrat', 'Roboto', Arial, sans-serif;
}



- Creates professional, cohesive visual identity across both websites.

b. Google Fonts Integration

- External font loading for enhanced typography and professional appearance.
- Elevates design beyond standard web fonts for modern appeal.

Summary:
These files demonstrate advanced CSS techniques including flexbox layouts, smooth transitions, responsive design with media queries, custom color schemes, and Google Fonts integration. The combination of modern CSS styling with semantic HTML creates professional, interactive websites with enhanced user experience.

- 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" >
    <style>
        body {
```

```
    background: #4e2e1e;
    color: #DDA15E;
    font-family: 'Cursive', Arial, sans-serif;
    margin: 0;
    padding: 0;
    text-align: center;
}
header {
    padding: 32px 0 16px 0;
}
.ambient {
    display: block;
    margin-bottom: 16px;
}
.hero-video {
    display: block;
    margin: 0 auto 32px auto;
    width: 400px;
    height: auto;
}
.recipes-list {
    margin-bottom: 32px;
    text-align: center;
}
.recipes-list a {
    color: #d3cda5;
    background: #606c38;
    padding: 8px 20px;
```

```
    border: 2px solid #bc6c25;
    border-radius: 0;
    text-decoration: none;
    font-weight: bold;
    font-size: 1em;
    margin: 0 8px;
    display: inline-block;
}
.recipes-list a:hover {
    background: #bc6c25;
    color: #fff;
    text-decoration: underline;
}
.recipes-container {
    display: block;
    margin-bottom: 32px;
    text-align: center;
}
.recipe-card {
    display: inline-block;
    vertical-align: top;
    background: #606c38;
    color: #fff;
    width: 350px;
    margin: 16px;
    padding: 24px 12px 16px 12px;
    border: 2px solid #bc6c25;
    text-align: left;
```

```
    border-radius: 12px;
}
.recipe-card img {
    display: block;
    margin: 0 auto 12px auto;
    width: 200px;
    height: 200px;
    object-fit: cover;
    border: 2px solid #bc6c25;
    border-radius: 8px;
}
.recipe-card h3 {
    color: #BC6C25;
    margin-bottom: 8px;
    font-size: 1.2em;
    font-style: italic;
}
.ingredients-table {
    width: 100%;
    margin-bottom: 12px;
    border-collapse: collapse;
    border-radius: 8px;
    overflow: hidden;
}
.ingredients-table th, .ingredients-table td {
    border: 1px solid #d3cda5;
    padding: 4px 8px;
    text-align: left;
```

```
    font-size: 0.95em;
}
.ingredients-table th {
    background: #bc6c25;
    color: #fff;
    font-style: italic;
}
.method-list {
    margin-bottom: 12px;
    font-size: 1em;
}
.recipe-card iframe {
    display: block;
    margin: 12px auto 0 auto;
    width: 300px;
    height: 170px;
    border: 3px solid #bc6c25;
    border-radius: 8px;
}
.back-link {
    color: #d3cda5;
    text-decoration: underline;
    margin-top: 8px;
    display: inline-block;
    font-size: 0.95em;
}
.review-section {
    background: #606c38;
```

```
    border: 2px solid #bc6c25;
    width: 80%;
    margin: 32px auto;
    padding: 32px 0;
    color: #fff;
    text-align: center;
    border-radius: 16px;
}
.review-section textarea {
    width: 90%;
    padding: 12px;
    font-size: 1em;
    margin-bottom: 12px;
    border: 2px solid #bc6c25;
    border-radius: 8px;
}
.review-section input[type="submit"], .review-section button {
    background: #bc6c25;
    color: #fff;
    border: 2px solid #bc6c25;
    padding: 10px 32px;
    font-size: 1em;
    margin: 8px;
    cursor: pointer;
    text-decoration: none;
    border-radius: 8px;
}
.review-section input[type="submit"]:hover, .review-section button:hover {
```

```
            background: #d3cda5;
            color: #283618;
            text-decoration: underline;
        }
        .footer {
            background: #4e2e1e;
            color: #d3cda5;
            text-align: center;
            padding: 32px 0 16px 0;
            font-size: 1em;
            border-radius: 0 0 16px 16px;
        }
        video {
            display: block;
            margin: 0 auto;
            border: 2px solid #bc6c25;
            border-radius: 8px;
        }
        iframe {
            border: 3px solid #bc6c25;
            border-radius: 8px;
        }
    </style>
</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="hero-video">
<video width="400" autoplay muted loop onclick="window.open('../../Practicum-2/Website-1/cooking.mp4')">
<source src="../../Recipe/cooking.mp4" type="video/mp4">
Your browser does not support the video tag.
</video>
</div>
<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">
<img src="../../Recipe/momo.jpg" alt="momos"  >
<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>
<ol>
<li>Make the dough
<ul>
<li>In a bowl, mix flour and salt.</li>
<li>Add water slowly and knead into a smooth, soft dough.</li>
<li>Cover and let it rest for 20–30 mins.</li>
</ul>
</li>
<li>Prepare the filling
<ul>
<li>In another bowl, mix chicken, onion, garlic, ginger, chilli, salt, pepper, soy sauce, and oil.</li>
<li>Stir well so the flavours combine.</li>
</ul>
</li>
<li>Shape the momos
```

```
                <ul>
                    <li>Divide dough into small balls.</li>
                    <li>Roll each into a thin circle (like small puris).</li>
                    <li>Place 1 spoon of filling in the centre.</li>
                    <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">
    <img src="../../Recipe/thickshake.png" alt="thickshake"  >
    <h3>Recipe 2: Chocolate Thickshake</h3>
    <table class="ingredients-table">
```

```
            <tr><th>S no</th><th>Ingredient</th><th>Quantity</th></tr>
            <tr><td>1</td><td>Cold Milk(Full cream for best thickness)</td><td>2 cups</td></tr>
            <tr><td>2</td><td>Chocolate Ice Cream</td><td>4 Scoops</td></tr>
            <tr><td>3</td><td>Chocolate Syrup</td><td>3-4 tbsp chocolate syrup(or cocoa powder+sugar)</td></tr>
            <tr><td>4</td><td>Whipped Cream</td><td>As needed</td></tr>
            <tr><td>5</td><td>Chocolate sprinkles(optional)</td><td>As needed</td></tr>
        </table>
        <div class="method-list">
            <h4>Method:</h4>
            <ol>
                <li>Blend it
                    <ul>
                        <li>In a blender, add milk, chocolate ice cream, and chocolate syrup.</li>
                        <li>Blend for about 30–40 seconds until smooth and creamy.</li>
                    </ul>
                </li>
                <li>Serve
                    <ul>
                        <li>Pour into chilled glasses.</li>
                        <li>Top with whipped cream, chocolate syrup drizzle, and shavings if you want it fancy.</li>
                    </ul>
                </li>
                <li>Enjoy
                    <ul>
                        <li>Serve immediately with a straw or spoon (it’ll be thick).</li>
                    </ul>
```

```
            </li>
        </ol>
        <p>If you want it extra thick, just reduce milk to 1½ cups or add 1 more scoop of ice cream!</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/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">
    <img src="../../Recipe/pizza.png" alt="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>
      <tr><td>5</td><td>onion (sliced)</td><td>½</td></tr>
      <tr><td>6</td><td>Capsicum(sliced)</td><td>½</td></tr>
      <tr><td>7</td><td>oil/butter</td><td>1 tbsp</td></tr>
      <tr><td>8</td><td>Salt, pepper,oregano/chilli flakes</td><td>As per taste</td></tr>
    </table>
    <div class="method-list">
      <h4>Method:</h4>
```

```
<ol>
    <li>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>
  <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>
    <div style="margin-top:2rem;">
        <video width="320" height="240" autoplay muted loop>
            <source src="../../Recipe/cooking.mp4" type="video/mp4">
            Your browser does not support the video tag.
        </video>
    </div>
  </section>
  <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>
```

Signup.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Signup!</title>
    <link rel="icon" href="../../Recipe/kitchen.png">
    <style>
        body {
            background: #283618;
            color: #DDA15E;
            font-family: 'Cursive', sans-serif;
            margin: 0;
            padding: 0;
```

```
}
.ambient {
  display: block;
  text-align: center;
  margin-bottom: 1rem;
}
.signup-container {
  display: block;
  margin: 2rem auto;
  width: 90vw;
  max-width: 1100px;
  text-align: center;
}
.signup-card {
  background: #606c38;
  color: #fff;
  border-radius: 16px;
  padding: 2rem 2.5rem 2rem 2.5rem;
  width: 100%;
  max-width: 500px;
  margin: 0 auto 2rem auto;
  display: inline-block;
  text-align: left;
}
.signup-card h1 {
  color: #BC6C25;
  text-align: center;
```

```
    margin-bottom: 1rem;
    font-size: 2em;
    font-family: inherit;
}
.signup-card form {
    display: block;
}
.signup-card label {
    font-weight: bold;
    margin-bottom: 0.2rem;
    display: block;
}
.signup-card input, .signup-card select, .signup-card textarea {
    border-radius: 8px;
    border: 1px solid #bc6c25;
    padding: 0.7rem;
    font-size: 1rem;
    margin-bottom: 0.5rem;
    width: 100%;
    box-sizing: border-box;
}
.signup-card input[type="radio"], .signup-card input[type="checkbox"] {
    width: auto;
    margin-right: 0.5rem;
    display: inline-block;
}
.signup-card input[type="submit"] {
```

```
    background: #bc6c25;
    color: #fff;
    border: 1px solid #bc6c25;
    border-radius: 8px;
    padding: 0.7rem 2rem;
    font-size: 1rem;
    margin-top: 1rem;
    cursor: pointer;
    text-decoration: none;
}
.signup-card input[type="submit"]:hover {
    background: #d3cda5;
    color: #283618;
    text-decoration: underline;
}
.signup-card fieldset {
    border: 1px solid #d3cda5;
    padding: 1rem;
    margin: 0;
    border-radius: 8px;
}
.signup-card legend {
    font-size: 1.2rem;
    color: #d3cda5;
    margin-bottom: 1rem;
}
.signup-video {
```

```
        display: block;
        margin-top: 2rem;
        text-align: center;
      }
      .signup-video video {
        border-radius: 8px;
        width: 320px;
        height: 240px;
        border: 2px solid #bc6c25;
      }
    </style>
</head>
<body>
    <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="signup-container">
      <div class="signup-card">
        <h1>Become a part of Grandma's Kitchen today!</h1>
        <form>
          <fieldset>
            <legend>Sign up Form</legend>
            <p>Fill in the details below to create an account:</p>
            <label for="name">Name:</label>
```

```
        <input type="text" id="name" name="name" placeholder="Enter your name" required>

        <label>Gender:</label>
        <div style="display:flex; gap:1rem; align-items:center;">
          <label><input type="radio" id="male" name="gender"> Male</label>
          <label><input type="radio" id="female" name="gender"> Female</label>
        </div>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" placeholder="Enter your email" required>

        <label for="password">Password:</label>
        <input type="password" id="password" name="password" placeholder="Enter your password" required>

        <label for="confirm_password">Confirm Password:</label>
        <input type="password" id="confirm_password" name="confirm_password" placeholder="Confirm your password" required>

        <label for="dob">Date of Birth:</label>
        <input type="date" id="dob" name="dob" required>

        <label for="phone">Phone Number:</label>
        <input type="tel" id="phone" name="phone" placeholder="Enter your phone number" required>

        <label for="bio">Short Bio:</label>
```

```
            <textarea id="bio" name="bio" rows="4" placeholder="Tell us a bit about
yourself..."></textarea>

            <label for="country">Country:</label>
            <select name="country" id="country">
              <option value="" disabled selected>Select your country</option>
              <option value="USA">USA</option>
              <option value="Canada">Canada</option>
              <option value="UK">UK</option>
              <option value="Australia">Australia</option>
              <option value="India">India</option>
              <option value="Other">Other</option>
            </select>

            <label for="other_country">Enter country (if other):</label>
            <input type="text" id="other_country" name="other_country"
placeholder="Enter country name:">

            <label style="display:flex; align-items:center; gap:0.5rem;">
              <input type="checkbox" id="terms" name="terms" required>
              I would like to receive monthly letter about Grandma's Kitchen's future
updates!
            </label>

            <input type="submit" value="Sign up!"
onclick="window.open('Kitchen.html');">
          </fieldset>
        </form>
```

```
    </div>
    <div class="signup-video">
      <video width="320" height="240" autoplay muted loop>
        <source src="../../Recipe/cooking.mp4" type="video/mp4">
        Your browser does not support the video tag.
      </video>
    </div>
  </div>
</body>
</html>
```

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">
  <style>
    body {
      background: #283845;
      color: #F2D492;
      font-family: 'Montserrat', 'Roboto', Arial, sans-serif;
      margin: 0;
      padding: 0;
```

```
}
a {
    color: #F2D492;
    text-decoration: none;
}
a:hover {
    color: #bc6c25;
    text-decoration: underline;
}
.news-header {
    background: #606c38;
    border-radius: 0 0 20px 20px;
    padding: 2rem 0 1rem 0;
    text-align: center;
}
.news-header img {
    vertical-align: middle;
    height: 40px;
    margin-right: 1rem;
}
.ambient {
    display: block;
    text-align: center;
    margin-bottom: 1rem;
}
.main-layout {
    display: flex;
    max-width: 1200px;
```

```
    margin: 2rem auto;
    gap: 2rem;
}
.main-content {
    flex: 3;
}
.sidebar {
    flex: 1;
    background: #606c38;
    border-radius: 20px;
    padding: 1.5rem;
    color: #fff;
    min-width: 250px;
}
.headline-list {
    margin-bottom: 2rem;
}
.headline-list h2 {
    color: #bc6c25;
    margin-bottom: 1rem;
}
.headline-list ul {
    list-style: disc inside;
    padding-left: 1rem;
}
.featured {
    margin-bottom: 2rem;
    background: #606c38;
```

```
    border-radius: 16px;
    padding: 1.5rem;
    color: #fff;
    text-align: left;
}
.featured video, .featured img {
    border-radius: 8px;
    width: 100%;
    max-width: 500px;
    height: auto;
    margin-bottom: 1rem;
}
.featured h3 {
    color: #bc6c25;
    margin-bottom: 0.5rem;
}
.news-section {
    margin-bottom: 2rem;
}
.news-article {
    margin-bottom: 2rem;
    padding-bottom: 1rem;
    border-bottom: 1px solid #d3cda5;
}
.news-article:last-child {
    border-bottom: none;
}
.news-article h4 {
```

```
    color: #bc6c25;
    margin-bottom: 0.5rem;
}
.news-article .meta {
    font-size: 0.9rem;
    color: #d3cda5;
    margin-bottom: 0.5rem;
}
.news-article img {
    border-radius: 8px;
    height: 50px;
    width: auto;
    vertical-align: middle;
    margin-right: 1rem;
}
.feedback-section {
    margin-top: 2rem;
    background: #606c38;
    border-radius: 16px;
    padding: 1.5rem;
    color: #fff;
    text-align: center;
}
.feedback-section textarea {
    width: 90%;
    border-radius: 8px;
    border: 1px solid #bc6c25;
    padding: 1rem;
```

```
        font-size: 1rem;
        margin-bottom: 1rem;
    }
    .feedback-section input[type="submit"], .submit-button {
        background: #bc6c25;
        color: #fff;
        border-radius: 8px;
        border: 1px solid #bc6c25;
        padding: 0.7rem 2rem;
        font-size: 1rem;
        margin: 0.5rem;
        cursor: pointer;
        text-decoration: none;
    }
    .feedback-section input[type="submit"]:hover, .submit-button:hover {
        background: #d3cda5;
        color: #283845;
        text-decoration: underline;
    }
    .footer {
        background: #283845;
        color: #d3cda5;
        text-align: center;
        padding: 2rem 0 1rem 0;
        font-size: 1rem;
        border-radius: 0 0 16px 16px;
    }
</style>
```

```
</head>
<body>
  <div class="news-header">
    <img src="../../TekWik/logo.png" alt="TW">
    <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">
    <img src="../../TekWik/tenmin.png" alt="10min" width="250">
      <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">
    <img src="../../TekWik/woodwork.png" alt="wood" width="250">

<h3>Grandma’s Kitchen Website 2.0</h3>
   <h4>Slow Ventures cuts first check from $60M creator fund into woodworking founder.</h4>
   <p><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="news-section">
  <div class="news-article">
    <video width="90" height="240" 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>

Tie Defender · August 11, 2025

<a target="_blank" href="../Website-1/Kitchen.html">Read more</a>

<img src="../../TekWik/pixel.png" alt="Tech News">

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

</h4>

Aisha Malik · 9:44 AM PDT · August 12, 2025

<a target="_blank" href="https://techcrunch.com/2025/08/12/pixel-10-ai-capabilities-and-everything-else-we-expect-out-of-the-made-by-google-2025-event/">

Read more

</a>

<img src="../../TekWik/claude.png" alt="claude">

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

Aisha Malik · 9:44 AM PDT · August 12, 2025

<a target="_blank" href="https://techcrunch.com/2025/08/12/anthropics-claude-ai-model-can-now-handle-longer-prompts/">Read more</a>

<img src="../../TekWik/edits.png" alt="edits">

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

Aisha Malik · 9:44 AM PDT · August 12, 2025

<a target="_blank" href="https://techcrunch.com/2025/08/12/anthropics-claude-ai-model-can-now-handle-longer-prompts/">Read more</a>

<img src="../../TekWik/anthropic.png" alt="anthropic">

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

Rebecca Bellan · 9:44 AM PDT · August 12, 2025

<a target="_blank" href="https://techcrunch.com/2025/08/12/anthropic-takes-aim-at-openai-offers-claude-to-all-three-branches-of-government-for-1/">Read more</a>

<img src="../../TekWik/rocket.png" alt="rocket">

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

Aria Alamalhodaei · 9:44 AM PDT · August 12, 2025

<a target="_blank" href="https://techcrunch.com/2025/08/12/anduril-opens-solid-rocket-motor-factory-amidst-ongoing-chemical-chokepoint/">Read more</a>

<img src="../../TekWik/google.png" alt="google">

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

Ivan Mehta · 9:44 AM PDT · August 12, 2025

<a target="_blank" href="https://techcrunch.com/2025/08/12/google-will-now-allow-you-define-your-top-sources-for-search-results/">Read more</a>

```
        </div>


            <!-- Add more news-article blocks as needed -->
        </div>

        <div class="feedback-section">
            <form>
                <label for="feedback">Any feedback for us?</label><br>
                <textarea id="feedback" name="feedback" rows="4" cols="40"
placeholder="Your feedback..."></textarea><br><br>
                <input type="submit" value="Submit" onclick="window.open('Signup.html');"
class="submit-button">
            </form>
        </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>

<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>

</ul>

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

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

<h2>Most Popular</h2>

<ul>

<li><a target="_blank" href="https://techcrunch.com/2025/08/10/the-computer-science-dream-has-become-a-nightmare/">The computer science dream has become a nightmare</a></li>

<li><a target="_blank" href="https://techcrunch.com/2025/08/08/sam-altman-addresses-bumpy-gpt-5-rollout-bringing-4o-back-and-the-chart-crime/">

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

```
</a></li>

<li><a target="_blank" href="https://techcrunch.com/2025/08/07/tesla-shuts-down-dojo-the-ai-training-supercomputer-that-musk-said-would-be-key-to-full-self-driving/">

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

</a></li>

<li><a target="_blank" href="https://techcrunch.com/2025/08/06/key-sections-of-the-us-constitution-deleted-from-governments-website/">

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

</a></li>

<li><a target="_blank" href="https://techcrunch.com/2025/08/06/instagram-takes-on-snapchat-with-new-instagram-map/">

Instagram takes on Snapchat with new ‘Instagram Map’

</a></li>

<li><a target="_blank" href="https://techcrunch.com/2025/08/06/google-says-hackers-stole-its-customers-data-in-a-breach-of-its-salesforce-database/">

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

</a></li>

<li><a target="_blank" href="https://techcrunch.com/2025/08/05/three-weeks-after-acquiring-windsurf-cognition-offers-staff-the-exit-door/">

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

</a></li>

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

</ul>

</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><br>
            <input type="email" id="signup_email" name="signup_email" placeholder="your@email.com" required><br><br>
            <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">
            <img src="https://techcrunch.com/wp-content/uploads/2025/07/TC25_Disrupt-Color.png" height="20" width="100" alt="No Internet!">
        </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>
        <a target="_blank" href="https://techcrunch.com/events/tc-disrupt-2025/exhibit/?promo=rightrail_disrupt2025exhibit&utm_campaign=disrupt2025&utm_content=exhibit&utm_medium=ad&utm_source=tc">Book Your Table here!</a>
    </div>

  </div>
  <footer class="footer">
    <p>© 2025 TekWik. All rights reserved.</p>
  </footer>
</body>
</html>
```

Signup(TekWik):

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Signup!</title>
    <link rel="icon" href="../../TekWik/icon.png">
    <style>
        body {
            background: #283845;
            color: #DDA15E;
            font-family: cursive, Arial, sans-serif;
            margin: 0;
            padding: 0;
        }
        .ambient {
            display: block;
            text-align: center;
            margin-bottom: 1rem;
        }
        form {
            background: #606c38;
            color: #fff;
            border-radius: 16px;
            padding: 2rem 2.5rem 2rem 2.5rem;
            width: 100%;
            max-width: 500px;
            margin: 2rem auto;
```

```
    display: block;
    text-align: left;
}
fieldset {
    border: 1px solid #d3cda5;
    padding: 1rem;
    margin: 0;
    border-radius: 8px;
}
legend {
    font-size: 1.2rem;
    color: #d3cda5;
    margin-bottom: 1rem;
}
label {
    font-weight: bold;
    margin-bottom: 0.2rem;
    display: block;
}
input, select, textarea {
    border-radius: 8px;
    border: 1px solid #bc6c25;
    padding: 8px;
    font-size: 1rem;
    margin-bottom: 0.5rem;
    width: 100%;
    box-sizing: border-box;
}
```

```
        input[type="radio"], input[type="checkbox"] {
            width: auto;
            margin-right: 4px;
            display: inline-block;
        }
        input[type="submit"] {
            background: #bc6c25;
            color: #fff;
            border-radius: 8px;
            border: 1px solid #bc6c25;
            padding: 8px 32px;
            font-size: 1em;
            margin-top: 8px;
            cursor: pointer;
            text-decoration: none;
        }
        input[type="submit"]:hover {
            background: #d3cda5;
            color: #283845;
            text-decoration: underline;
        }
        video {
            border-radius: 8px;
            border: 2px solid #bc6c25;
            margin-left: 16px;
        }
    </style>
</head>
```

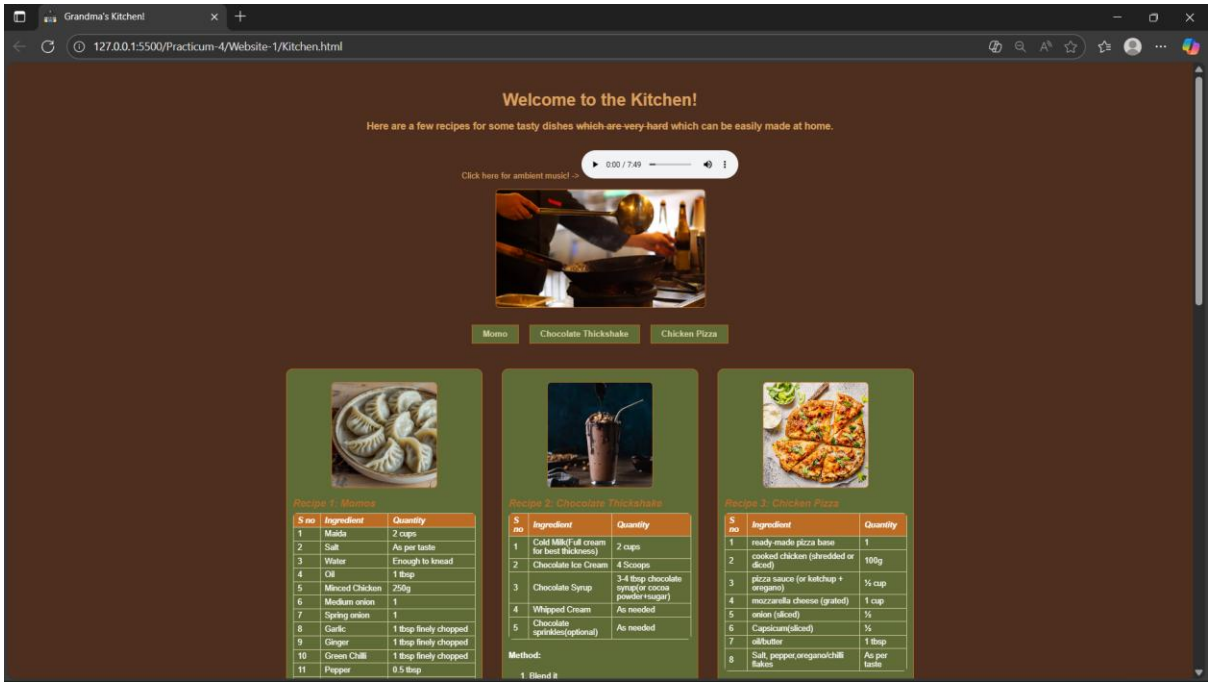
```
<body>
    <div class="ambient">
    <span>Click here for ambient music! -></span>
    <audio src="../../TekWik/TechMusic.mp3" controls autoplay loop>
        Your browser does not support the audio element.
    </audio>
    </div>

    <h1 style="text-align: center;">Become a part of TekWik Community today!</h1>
    <form>
        <fieldset>
            <legend>Sign up Form</legend>
            <div style="float:right;">
            <video width="320" height="240" autoplay muted loop>
                <source src="../../Tekwik/JeryyTheCoder_compressed.mp4" type="video/mp4">
                Your browser does not support the video tag.
            </video>
            </div>
            <p>Fill in the details below to create an account:</p>
            <label for="name">Name:</label><br>
            <input type="text" id="name" name="name" placeholder="Enter your name"
required><br><br>

            <label>Gender:</label><br>
            <span>Male</span><input type="radio" id="male" name="gender">
            <span>Female</span><input type="radio" id="female" name="gender"><br><br>


            <label for="email">Email:</label><br>
```

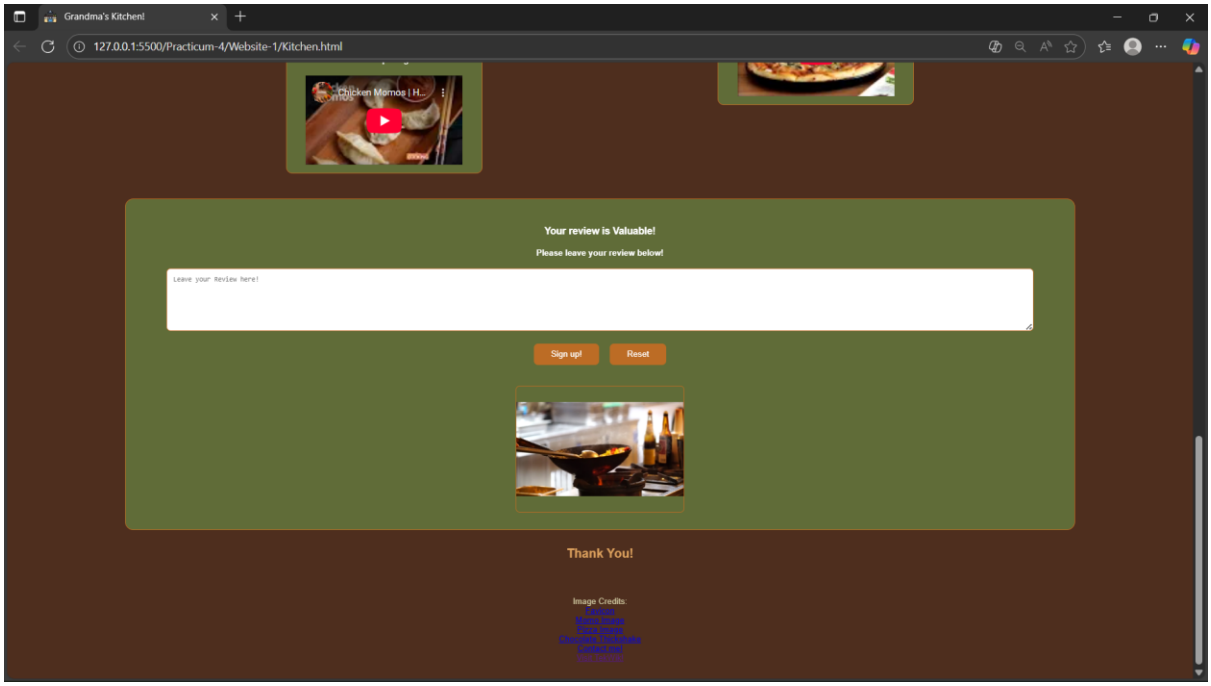
```
<input type="email" id="email" name="email" placeholder="Enter your email" required><br><br>

<label for="password">Password:</label><br>

<input type="password" id="password" name="password" placeholder="Enter your password" pattern="^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-z\d@$!%*?&]{8,}$" required><br><br>

<label for="confirm_password">Confirm Password:</label><br>

<input type="password" id="confirm_password" name="confirm_password" placeholder="Confirm your password" pattern="^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-z\d@$!%*?&]{8,}$" required><br><br>

<label for="dob">Date of Birth:</label><br>

<input type="date" id="dob" name="dob" required><br><br>

<label for="phone">Phone Number:</label><br>

<input type="tel" id="phone" name="phone" maxlength="10" placeholder="Enter your phone number" pattern="^\d{10}$" required><br><br>

<label for="bio">Short Bio:</label><br>

<textarea id="bio" name="bio" rows="4" cols="50" placeholder="Tell us a bit about yourself..."></textarea><br><br>

<label for="country">Country:</label><br>

<select name="country" id="country">

    <option value="" disabled selected>Select your country</option>

    <option value="USA">USA</option>

    <option value="Canada">Canada</option>

    <option value="UK">UK</option>

    <option value="Australia">Australia</option>
```

```
            <option value="India">India</option>
            <option value="Other">Other</option>
        </select><br><br>

        <label for="other_country">Enter country (if other):</label><br>
        <input type="text" id="other_country" name="other_country" placeholder="Enter country name:"><br><br>

        <input type="checkbox" id="terms" name="terms" required>
        <label for="terms">I would like to receive monthly letter about Grandma's Kitchen's future updates!</label><br><br>

        <input type="submit" value="Sign up!" onclick="alert('Your application will be processed'); window.open('TekWik.html');">
    </fieldset>
  </form>
</body>
</html>
```

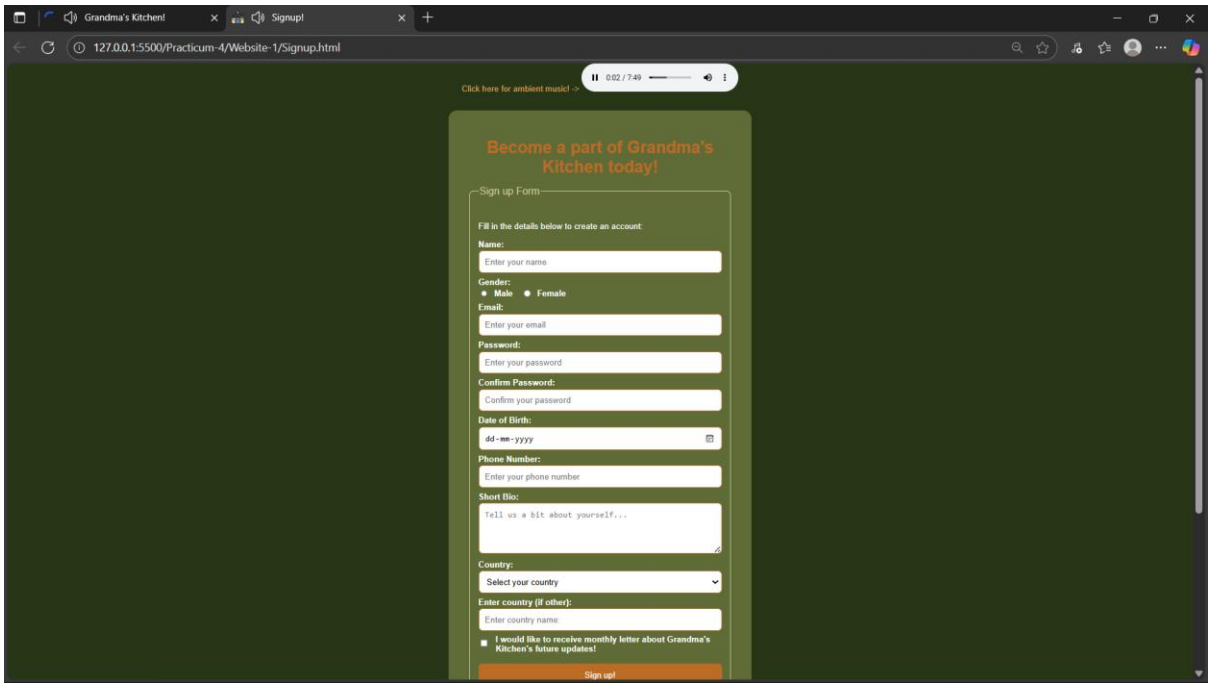
7.Output:

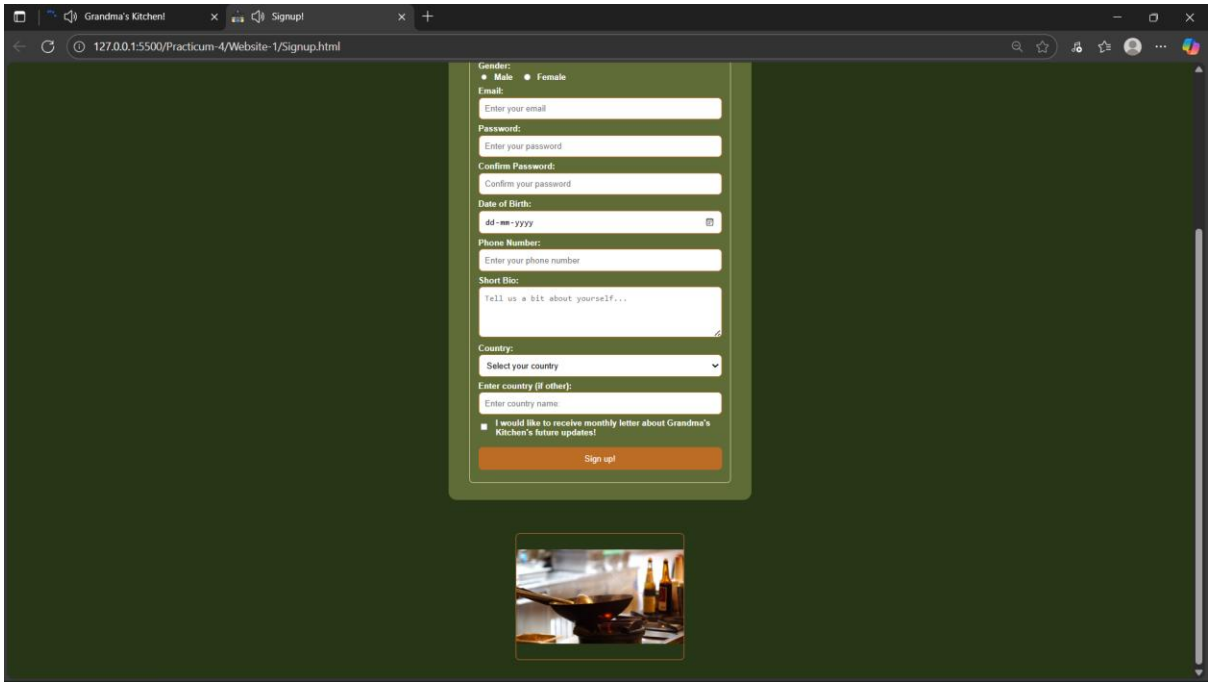
Kitchen!:



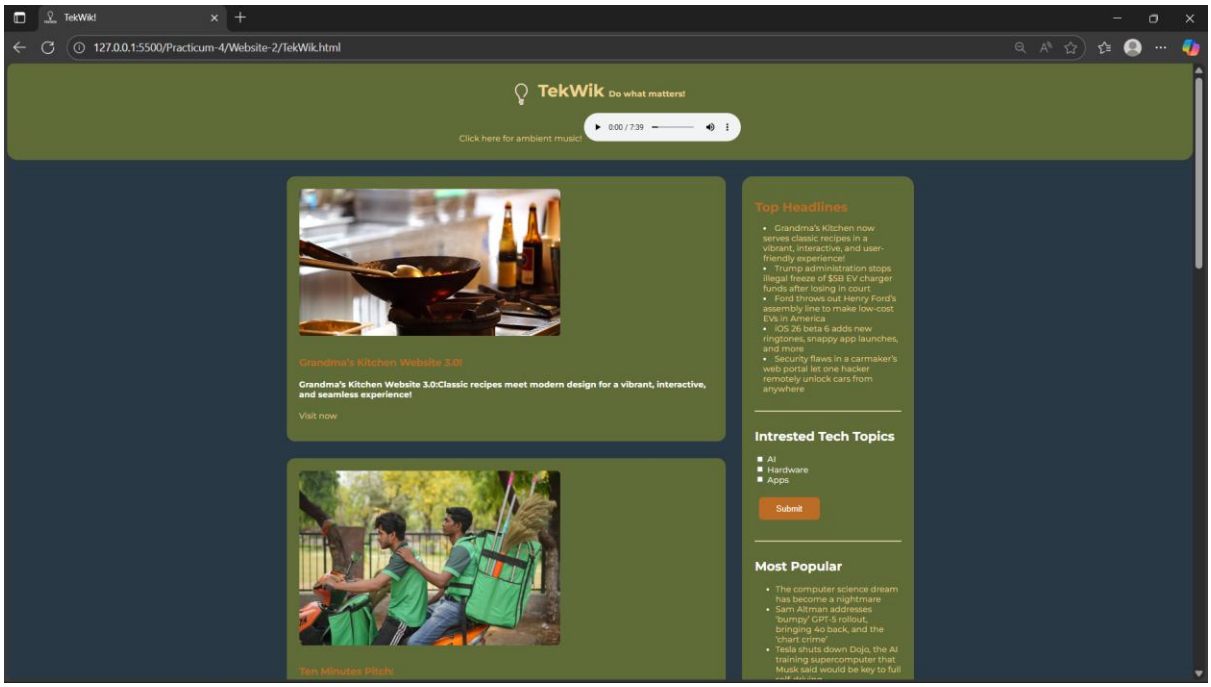


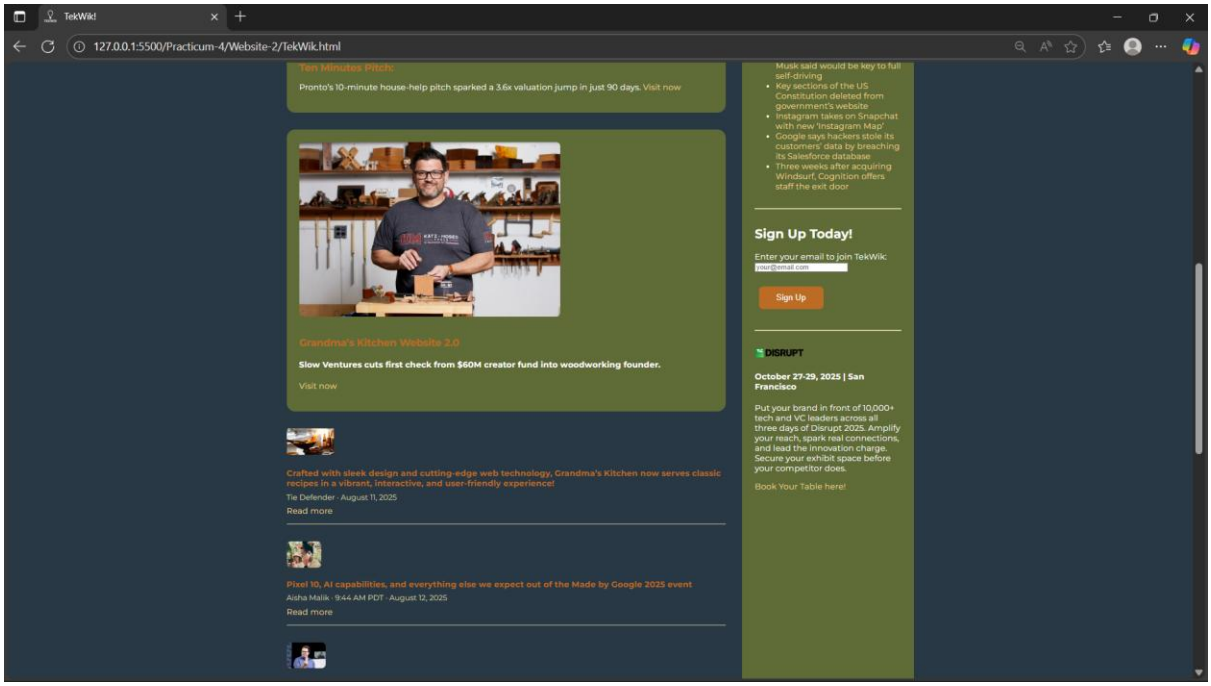
Signup(Kitchen)





Tech News Aggregator(TekWik!):




TekWik!
127.0.0.1:5500/Practicum-4/Website-2/TekWik.html
Ten Minutes Pitch:
Pronto's 10-minute house-help pitch sparked a 3.6x valuation jump in just 90 days. Visit now
Grandma's Kitchen Website 2.0
Slow Ventures cuts first check from $60M creator fund into woodworking founder.
Visit now
Crafted with sleek design and cutting-edge web technology, Grandma's Kitchen now serves classic recipes in a vibrant, interactive, and user-friendly experience!
Tie Defender · August 11, 2025
Read more
Pixel 10, AI capabilities, and everything else we expect out of the Made by Google 2025 event
Aisha Malik · 9:44 AM PDT · August 12, 2025
Read more
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
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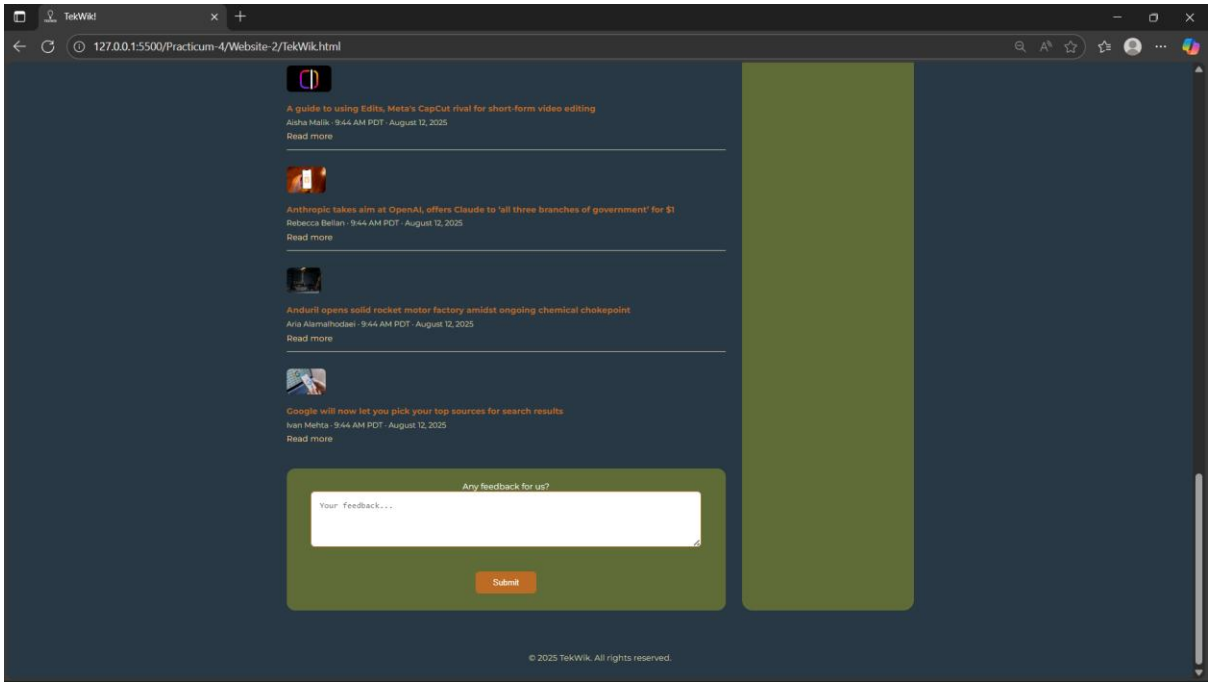
Put your brand in front of 10,000+ tech and VC leaders across all three days of Disrupt 2025. Amplify your reach, spark real connections, and lead the innovation charge. Secure your exhibit space before your competitor does.
Book Your Table here!


TekWik!
127.0.0.1:5500/Practicum-4/Website-2/TekWik.html
A guide to using Edits, Meta's CapCut rival for short-form video editing
Aisha Malik · 9:44 AM PDT · August 12, 2025
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Google will now let you pick your top sources for search results
Ivan Mehta · 9:44 AM PDT · August 12, 2025
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Your feedback...
Submit
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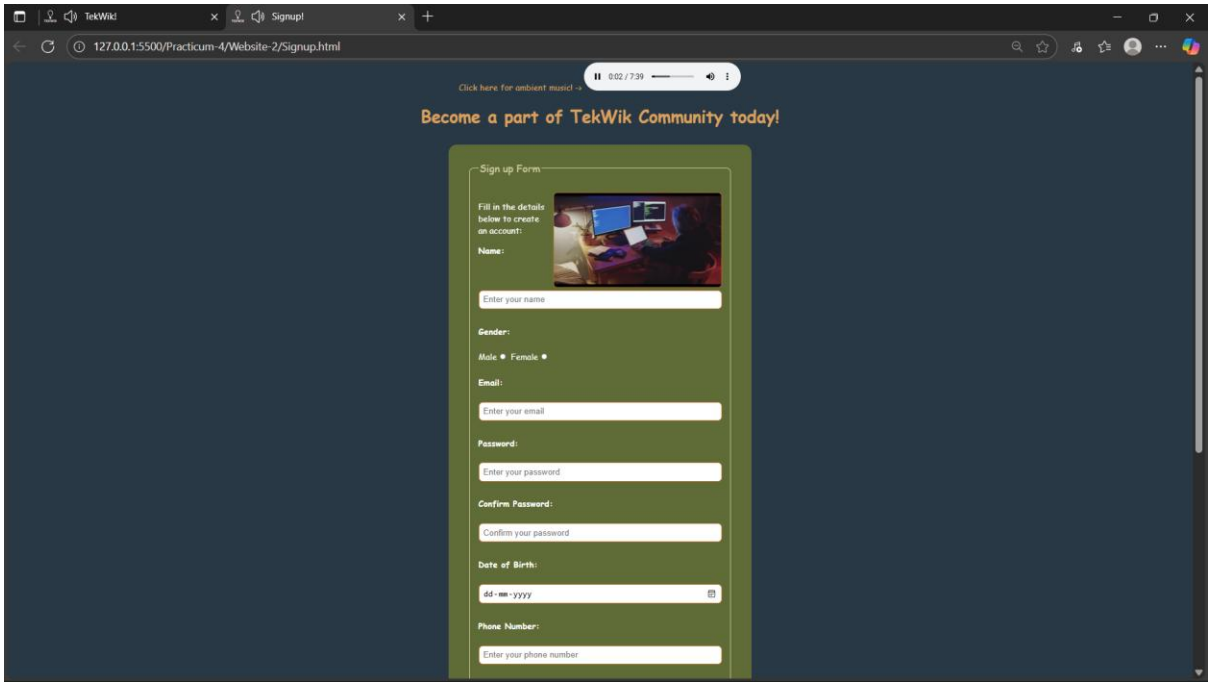
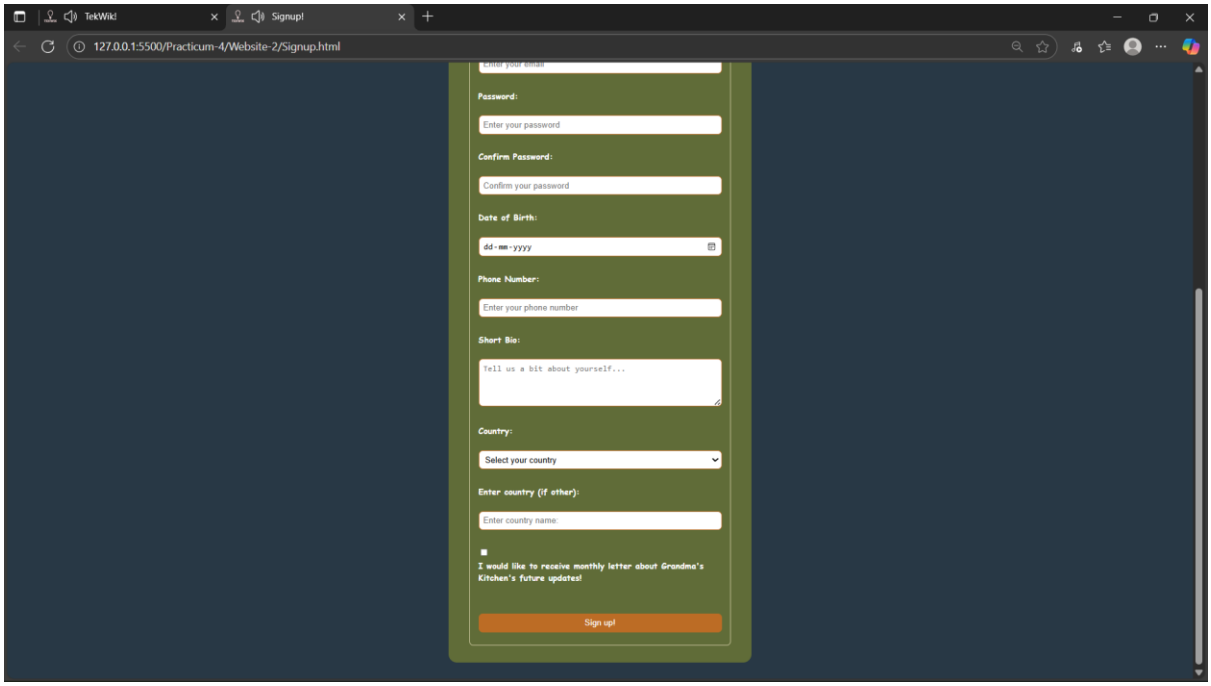
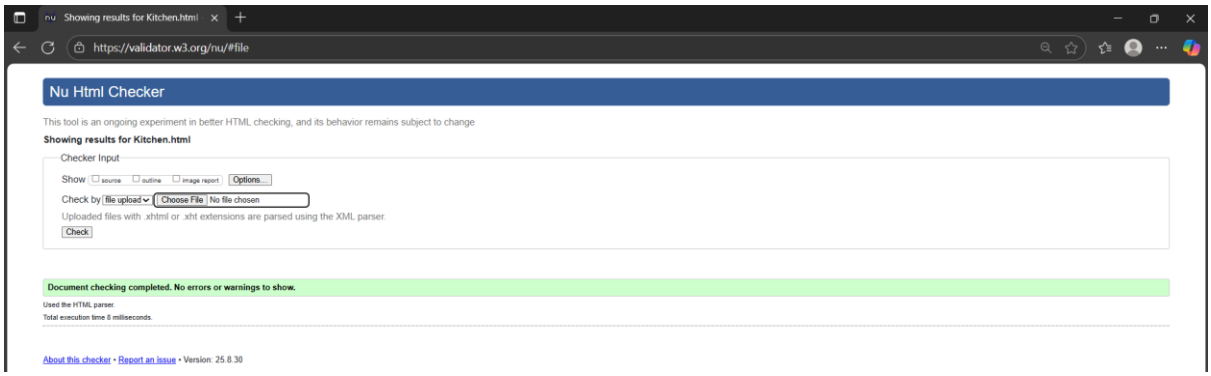

TekWik!
Signup!
127.0.0.1:5500/Practicum-4/Website-2/Signup.html
Click here for ambient music! →
0:02 / 7:39
Become a part of TekWik Community today!
Sign up Form
Fill in the details below to create an account:
Name:
Enter your name
Gender:
Male Female
Email:
Enter your email
Password:
Enter your password
Confirm Password:
Confirm your password
Date of Birth:
dd-mm-yyyy
Phone Number:
Enter your phone number

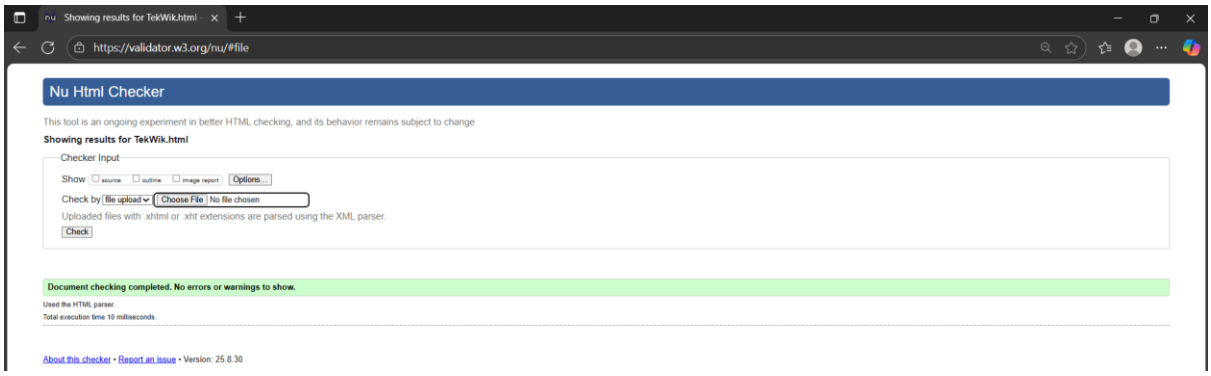

TekWik!
Signup!
127.0.0.1:5500/Practicum-4/Website-2/Signup.html
Password:
Enter your password
Confirm Password:
Confirm your password
Date of Birth:
dd-mm-yyyy
Phone Number:
Enter your phone number
Short Bio:
Tell us a bit about yourself...
Country:
Select your country
Enter country (if other):
Enter country name:
I would like to receive monthly letter about Grandma's Kitchen's future updates!
Sign up!

7.2: Validation output:

Grandma's Kitchen:



Tech news Aggregator:



8. Results:

The Desired webpage for

- Kitchen
- Tech news aggregator(Theme based project)

Has been successfully made

9. Interpretation of Results:

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

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

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 CSS styling, HTML5 form validation with pattern matching, and interactive JavaScript elements. 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

Test Title/Name	Requirement Testing
Module Name	Grandma's kitchen.html
Test Priority	High
Test Designed By	Roshan Anand Seeli
Test Reviewed By	Dr. I Titus
Test Designed Date	16-8-2025
Test Executed By	Roshan Anand Seeli
Test Execution Date	19-08-2025
Test Summary	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.
Findings:	• The webpage meets all expected functional requirements. • Navigation and content organization are working as intended. • No major defects were found.
Pre-Requisites	Visual Studio code Google Chrome or any modern web browser for execution
Dependencies	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 #283845 background, cursive fonts	Yes	Pass	
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	

Test Case Report: 2

Test Title/Name	Requirement Testing
Module Name	TekWik.html
Test Priority	High
Test Designed By	Roshan Anand Seeli
Test Reviewed By	
Test Designed Date	16-8-2025
Test Executed By	Roshan Anand Seeli
Test Execution Date	19-08-2025
Test Summary	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.
Findings:	• All hyperlinks and article redirections work correctly. • Content formatting using tables and lists is displayed properly. • No broken links or missing resources were detected.
Pre-Requisites	Visual Studio code Google Chrome or any modern web browser for execution
Dependencies	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	