Context: You are an accessibility expert reviewing HTML for accessibility issues. Analyze the following code in the context of WCAG (Web Content Accessibility Guidelines) 2.2, listing any issues that may violate these guidelines. You will only be analyzing the HTML, ignoring any included or missing styles and scripts.

Code:

```<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

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

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

<title>Your Website</title>

<style>

body {

margin: 0;

padding: 0;

color: #333; /\* Set default text color for better contrast \*/

}

h1 {

color: white;

background-color: #333; /\* Updated background color for better contrast \*/

padding: 10px; /\* Added padding for better visual appearance \*/

}

p {

color: #333; /\* Set paragraph text color for better contrast \*/

}

button {

color: white;

background-color: #007BFF; /\* Updated background color for better contrast \*/

padding: 8px 16px; /\* Added padding for better visual appearance \*/

border: none;

cursor: pointer;

}

button:hover {

background-color: #0056b3; /\* Darker color on hover for better contrast \*/

}

/\* Add any additional styles as needed \*/

</style>

</head>

<body>

<header>

<nav>

<ul>

<li><a href="#home">Home</a></li>

<li><a href="#about">About</a></li>

<li><a href="#services"></a></li>

<li><a href="#contact">Contact</a></li>

</ul>

</nav>

</header>

<section id="home" class="hero">

<h1>Welcome to Your Website</h1>

<p>This is a simple and functional website template.</p>

<button onmousedown="playVideo()">Play Video</button>

</section>

<section id="about">

<h3>About Us</h3>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. ...</p>

</section>

<section id="services">

<h2>Our Services</h2>

<ul>

<li>Service 1</li>

<li>Service 2</li>

<li>Service 3</li>

</ul>

</section>

<section id="contact">

<h2>Contact Us</h2>

<form>

<label for="name">Name:</label>

<input type="text" id="name" name="name" required>

<br>

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

<input type="email" id="email" name="email" required>

<br>

<input type="submit" value="Submit">

</form>

</section>

<meta http-equiv="refresh" content="0">

<footer>

<p>&copy; 2023 Your Website. All rights reserved.</p>

</footer>

<script src="script.js"></script>

</body>

</html>```

Response format:

Snippet with error: …

Location of error: …

WCAG Guideline violated: …

Detection Algorithm: …

Explanation of Error: …

Here is my analysis of the provided HTML code against WCAG 2.2 guidelines: [[1]](https://medium.com/@parachutedesign/the-web-content-accessibility-guidelines-wcag-2-2-bbdabebb9d56)

Snippet with error: <nav>  
<ul>  
<li><a href="#home">Home</a></li>  
<li><a href="#about">About</a></li>  
<li><a href="#services"></a></li>  
<li><a href="#contact">Contact</a></li>  
</ul>  
</nav>

Location of error: Navigation links

WCAG Guideline violated: 1.3 Adaptable - Information and relationships conveyed through sequence or order can be programmatically determined or are marked explicitly in the content.

Detection Algorithm: Automated testing of HTML source code against WCAG success criteria.

Explanation of Error: The navigation links are not marked with proper semantics like <nav> and <a> elements. They should be wrapped in a <nav> element and each link should be a child <a> element for screen readers to announce them as navigation links. This violates WCAG guideline 1.3 to make the purpose of each link programmatically determinable.

Snippet with error: <button onmousedown="playVideo()">Play Video</button>

Location of error: Play video button

WCAG Guideline violated: 1.1.1 Non-text Content - All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below.

Detection Algorithm: Automated testing of HTML source code against WCAG success criteria.

Explanation of Error: The play video button does not have an accessible name provided, like "Play Video". Screen reader users will only hear "button" with no indication of its purpose. Alternative text is needed per WCAG 1.1.1 to convey the purpose to users who can't see the visual interface.

Let me know if you need any clarification or have additional questions!