

HTML5 structural elements:

HTML5 introduced a set of new structural elements that provide better semantics for describing the structure of a web page. These elements help both developers and browsers to understand the purpose and hierarchy of different parts of a webpage. Here's a detailed explanation of some key HTML5 structural elements:

1. **`<header>`**: The `<header>` element represents the header of a section or a page. It can contain headings, logos, navigation menus, and other header-related content.

```
```html
<header>
 <h1>Website Title</h1>
 <nav>

 Home
 About
 Contact

 </nav>
</header>
```
```

2. **`<nav>`**: The `<nav>` element is used to define a navigation menu. It typically contains a list of links that allow users to navigate to different parts of the website.

```
```html
<nav>

 Home
 About
 Contact

</nav>
```
```

3. **`<main>`**: The `<main>` element represents the main content of the document. It should not include headers, footers, or sidebars. This element helps screen readers and other assistive technologies to identify the primary content.

```
```html
<main>
 <article>
 <h2>Article Title</h2>
 </article>
</main>
```
```

```
    <p>Article content goes here...</p>
</article>
<!-- More articles or content -->
</main>
...
```

4. **<article>**: The `<article>` element represents a self-contained piece of content that could be distributed and reused independently, such as a blog post or a news article.

```
```html
<article>
 <h2>Article Title</h2>
 <p>Article content goes here...</p>
</article>
...
```

5. **<section>**: The `<section>` element is a generic container that groups related content together. It's often used to divide a page into thematic sections.

```
```html
<section>
  <h2>Section Title</h2>
  <p>Section content goes here...</p>
</section>
...
```

6. **<aside>**: The `<aside>` element is used for content that is tangentially related to the content around it. It's often used for sidebars, pull quotes, or other content that complements the main content.

```
```html
<aside>
 <h3>Related Links</h3>

 Link 1
 Link 2

</aside>
...
```

7. **<footer>**: The `<footer>` element represents the footer of a section or a page. It typically contains copyright information, contact details, and other footer-related content.

```
```html
```

```
<footer>  
  <p>&copy; 2024 Your Website. All rights reserved.</p>  
</footer>  
...
```

These HTML5 structural elements help to create more meaningful and semantically rich web pages, making it easier for developers to understand and maintain the structure of a document, and improving accessibility for users and assistive technologies.