Here’s a detailed assignment for the "Links and Navigation" topic:

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## \*\*Assignment: Create a Navigation Bar with Links\*\*

### \*\*Objective\*\*

The objective of this assignment is to create a functional navigation bar that allows users to navigate through different sections of your webpage. You will implement both internal (anchor) links for smooth scrolling and external links to other websites.

### \*\*Task Description\*\*

You are required to build a navigation bar at the top of your HTML document. This navigation bar will include links to different sections of the page and an external website. You will use both relative URLs (for internal links) and absolute URLs (for external links).

### \*\*Requirements\*\*

1. \*\*HTML Structure\*\*:

- Use a `<nav>` element to create the navigation bar.

- Inside the `<nav>`, create an unordered list (`<ul>`) to hold the navigation links.

2. \*\*Internal Links\*\*:

- Create at least three internal links that correspond to sections on your page. Use anchor links (e.g., `href="#sectionID"`) for smooth scrolling.

- Ensure that the sections you link to are clearly defined with `<section>` elements, each having a unique `id` attribute.

3. \*\*External Links\*\*:

- Include at least one external link that navigates to an external website. Use an absolute URL (e.g., `href="https://www.example.com"`).

- Ensure that this link opens in a new tab by adding the `target="\_blank"` attribute to the `<a>` tag.

4. \*\*Smooth Scrolling\*\*:

- Implement smooth scrolling for the internal links. You can achieve this through CSS by adding the following rule to your stylesheet:

```css

html {

scroll-behavior: smooth;

}

```

### \*\*Example Structure\*\*

Here is an example of how your navigation bar might look in HTML:

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Navigation Bar Example</title>

<style>

/\* Basic styling for the navigation bar \*/

nav {

background-color: #333;

padding: 10px;

}

nav ul {

list-style-type: none;

margin: 0;

padding: 0;

}

nav ul li {

display: inline;

margin-right: 15px;

}

nav a {

color: white;

text-decoration: none;

}

nav a:hover {

text-decoration: underline;

}

</style>

</head>

<body>

<nav>

<ul>

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

<li><a href="#projects">Projects</a></li>

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

<li><a href="https://www.example.com" target="\_blank">External Site</a></li>

</ul>

</nav>

<section id="about">

<h2>About Me</h2>

<p>This section contains information about me.</p>

</section>

<section id="projects">

<h2>Projects</h2>

<p>This section showcases my projects.</p>

</section>

<section id="contact">

<h2>Contact</h2>

<p>This section provides my contact information.</p>

</section>

</body>

</html>

```

### \*\*Submission Guidelines\*\*

- Submit your HTML file (`index.html`) that includes the navigation bar and the corresponding sections.

- Ensure your code is properly formatted and follows best practices for HTML structure.

- Test your navigation links to ensure they work correctly and provide a smooth scrolling experience.

### \*\*Evaluation Criteria\*\*

- Correct implementation of internal and external links.

- Proper use of anchor links for smooth scrolling.

- Clear and organized HTML structure.

- Visual presentation of the navigation bar.

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This assignment guides students through creating a navigation bar, emphasizes important concepts related to links and navigation, and provides clear instructions for implementation.