Links in HTML

Sudhakar Sharma
.
Feb 11

Links in HTML
===========

- Link is clickable text, picture or graphic that navigates the user to any specific location.
- Every website must have good navigation techniques.
- You can configure navigation using Links in HTML page.
- Links in webpage are also reffered as "Hyper Link".
- Links are classified into 2 types
        a) Intra document links
        b) Inter document links

- Intra document links allow navigation from one location to another with in the same page.

- Inter document links allow navigation from one document to another.

- Links are created by using <a> anchor element.

Intra Document Links:
==================
- Configures navigation from one location to another with in same page.
- You have to define a unique ID for target location.
        <h2 id="home">
        <img id="pic">
        <ul id="list">

- User can reach to specific location by requesting the ID reference from URL
        http://127.0.0.1:5500/public/shopping.html#home

- You can configure <a> anchor element that can reach to id.

         Text | Image | Symbol

FAQ: How can we change color for Links?
Ans: By using CSS classes

        a:link { }   // all normal links
        a:visited { }   // only for visited links

```
       a:active { }        // only for active links
       a { }               // all states normal, visited, active
```

FAQ: How to remove underline for HyperLink?
Ans: By using "text-decoration:none"

```
    a {
       text-decoration:none;
     }
```

FAQ: How to set underline on mouse over?
Ans : By using "hover" class.

```
     a:hover {
    text-decoration:underline;
        }
```

Ex:
```
<!DOCTYPE html>
<html>
   <head>
     <title>Shopping</title>
     <style>
        header {
           background-color: black;
           color:white;
           text-align: center;
           font-size: 30px;
           padding: 10px;
        }
        section {
           display: grid;
           grid-template-columns: 3fr 9fr;
        }
        ul {
           list-style: none;
           margin-left: -40px;
        }
        li {
           background-color: black;
           color:white;
           padding: 5px;
           margin-bottom: 20px;
           width: 140px;
```

```
        }
        main {
            height: 400px;
            overflow: auto;
        }
        nav a {
            color:white;
            text-decoration: none;
        }
        span a {
            text-decoration: none;
            color:green;
            font-weight: bold;
        }
        a:hover {
            text-decoration: underline;
        }
    </style>
</head>
<body>
    <header>Shopping Online</header>
    <section>
        <nav>
          <ul>
             <li><a href="#home">Home</a></li>
             <li><a href="#electronics">Electronics</a></li>
             <li><a href="#footwear">Footwear</a></li>
             <li><a href="#fashion">Fashion</a></li>
          </ul>
        </nav>
        <main>
           <h2 id="home">Home</h2>
           <p>Your use of this software <span><a href="#mobile">Visit
Mobiles</a></span> is subject to the terms and conditions of the license agreement
by which you acquired this software.  If you are a volume license customer, use of
this software is subject to your volume license agreement.  You may not use this
software if you have not validly acquired a license for the software from Microsoft or
its licensed distributors.</p>
           <p>Your use of this software is subject to the terms and conditions of the
license agreement by which you acquired this software.  If you are a volume license
customer, use of this software is subject to your volume license agreement.  You may
not use this software if you have not validly acquired a license for the software from
Microsoft or its licensed distributors.</p>
           <p>Your use of this software is subject to the terms and conditions of the
```

license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

               <p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

               <p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

               <p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

               <h2 id="electronics">Electronics</h2>

               <img src="../public/images/neckband.PNG" width="100" height="100">

               <img src="../public/images/speaker.jpg" width="100" height="100">

               <p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

               <p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

               <p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

                 <figure>

                   <figcaption id="mobile">Mobile</figcaption>

                   <img src="../public/images/mobile1.jpeg" width="150" height="200">

                   <div>

                     Back to Home

                   </div>

                 </figure>

<p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

<p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

<p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

<h2 id="footwear">Footwear</h2>

<img src="../public/images/shoe.jpg" width="100" height="100">

<img src="../public/images/shoe1.jpg" width="100" height="100">

<p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

<p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

<p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

<p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

<p>Your use of this software is subject to the terms and conditions of the license agreement by which you acquired this software. If you are a volume license customer, use of this software is subject to your volume license agreement. You may not use this software if you have not validly acquired a license for the software from Microsoft or its licensed distributors.</p>

```html
        <p>Your use of this software is subject to the terms and conditions of the
license agreement by which you acquired this software.  If you are a volume license
customer, use of this software is subject to your volume license agreement.  You may
not use this software if you have not validly acquired a license for the software from
Microsoft or its licensed distributors.</p>
        <h2 id="fashion">Fashion</h2>
        <img src="../public/images/backpack.jpg" width="100" height="100">
        <img src="../public/images/jacket.jpg" width="100" height="100">
        <p>Your use of this software is subject to the terms and conditions of the
license agreement by which you acquired this software.  If you are a volume license
customer, use of this software is subject to your volume license agreement.  You may
not use this software if you have not validly acquired a license for the software from
Microsoft or its licensed distributors.</p>
        <p>Your use of this software is subject to the terms and conditions of the
license agreement by which you acquired this software.  If you are a volume license
customer, use of this software is subject to your volume license agreement.  You may
not use this software if you have not validly acquired a license for the software from
Microsoft or its licensed distributors.</p>
        <p>Your use of this software is subject to the terms and conditions of the
license agreement by which you acquired this software.  If you are a volume license
customer, use of this software is subject to your volume license agreement.  You may
not use this software if you have not validly acquired a license for the software from
Microsoft or its licensed distributors.</p>
        <p>Your use of this software is subject to the terms and conditions of the
license agreement by which you acquired this software.  If you are a volume license
customer, use of this software is subject to your volume license agreement.  You may
not use this software if you have not validly acquired a license for the software from
Microsoft or its licensed distributors.</p>
        <p>Your use of this software is subject to the terms and conditions of the
license agreement by which you acquired this software.  If you are a volume license
customer, use of this software is subject to your volume license agreement.  You may
not use this software if you have not validly acquired a license for the software from
Microsoft or its licensed distributors.</p>
        <p>Your use of this software is subject to the terms and conditions of the
license agreement by which you acquired this software.  If you are a volume license
customer, use of this software is subject to your volume license agreement.  You may
not use this software if you have not validly acquired a license for the software from
Microsoft or its licensed distributors.</p>
        </main>
      </section>
   </body>
</html>
```

FAQ: If content is not scrollable then how to highlight the active topic?

Ans: By using CSS "target" class.

```
    .topic {
        gray, white
    }
    .topic:target {
    }
```

Ex:
```
<!DOCTYPE html>
<html>
    <head>
        <title>Tutorial</title>
        <style>
            .topics {
                border:1px solid black;
                background-color: lightgray;
                padding: 10px;
                margin-bottom: 20px;
            }
            .topics:target {
                background-color: black;
                color:white;
            }
            nav {
                background-color: black;
                color: white;
                padding: 5px;
                margin-bottom: 10px;
            }
            li {
                display: inline;
                margin-right: 40px;
            }
            a{
                color:white;
                font-size: 20px;
                text-decoration: none;
            }
        </style>
    </head>
    <body>
        <nav>
            <ul>
```

```html
        <li><a href="#html">HTML</a></li>
        <li><a href="#css">CSS</a></li>
        <li><a href="#js">JavaScript</a></li>
      </ul>
    </nav>
    <div class="topics" id="html">
      <h2>HTML</h2>
      <p>It is a markup language.</p>
    </div>
    <div class="topics" id="css">
      <h2>CSS</h2>
      <p>It defines styles for HTML.</p>
    </div>
    <div class="topics" id="js">
      <h2>JavaScript</h2>
      <p>It is a programming language.</p>
    </div>
  </body>
</html>
```