

# 3

## Links and Navigation

### WHAT YOU WILL LEARN IN THIS CHAPTER

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- How to Link pages of another site (External)
- Understand directory structure and uri
- How to Link pages of your site (MPA)
- How to Link particular part of a page in your site (SPA)

<a> – Anchor: HTML anchor tag defines a hyperlink that links one page to another page.

Below are attributes used in anchor tag

- Href- it is used to provide links to connect
- Target – where should open the link
  - \_blank – it opnes new tab of browser
  - \_self - Opens the linked document in the same frame as it was clicked
  - \_parent - Opens the linked document in the parent frame
  - \_top - Opens the linked document in the full body of the window
  - *Frame name - Opens the linked document in the named iframe*

### External Link

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When we connect external sites on our web pages

Eg. Facebook , twitter, whatsapp etc then it is called External

Example Code :

```

externalLink.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Document</title>
8  </head>
9  <body>
10
11      <a target="_blank" href="https://www.facebook.com/">Facebook</a> |
12      <a target="_blank" href="https://www.youtube.com/watch?v=iAXn1DqAWb8">YouTube</a>
13
14  </body>
15  </html>

```

## Internal or Multi Page Application

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When we link our one page to another page then it is called Multi Page Application or Internal linking.

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[home](#) | [services](#) [contact us](#)

Example -

```

internalLink.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Document</title>
8  </head>
9  <body>
10      <a href="home.html">home</a> |
11      <a href="services.html" target="_blank">services</a>
12      <a href="contactus.html">contact us</a>
13
14  </body>
15  </html>

```

## Single page Application (SPA)

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When entire application use only one page then it is called SPA

[home](#) | [services](#) | [contact us](#) |

Example -

```
< SPA.html > < html > < body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Document</title>
8  </head>
9  <body>
10
11      <a href="#home">home</a> |
12      <a href="#services">services</a> |
13      <a href="#contactUs">contact us</a> |
14      <a href="#aboutUs"></a>
15
16      <section id="home"> <!--home section start-->
17          <h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1>
18          <h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1><h1>HOME</h1>
19      </section> <!--home section end-->
20      <section id="services"> <!--services section start here-->
21          <h1>services</h1>
22      </section> <!--services section end here-->
23      <section id="contactUs"> <!-- contact us start here-->
24          <h1>contact us</h1><h1>contact us</h1><h1>contact us</h1><h1>contact us</h1><h1>contact us</h1><h1>co
25      </section> <!-- contact us end here-->
26      <section id="about"> <!--About Us start here-->
27          <h1>about us</h1> <h1>about us</h1> <h1>about us</h1> <h1>about us</h1> <h1>ab
28
29  </body>
30 </html>
```

# SPA VS MPA

	 SPA	 MPA
Sleek UX	✓	
Easy SEO		✓
Security		✓
Less server load	✓	
Offline functionality	✓	
Mobile adaptability	✓	
Application scalability		✓
UI/data separation	✓	
Speed	✓	
Fast launch		✓
Works without JavaScript		✓