

# Front End Technologies

## - Day 5

### Agenda

- Continuation of lists, hypertext, hyperlink



### Continuation of lists, hyperlink, hypertext

Now that we know lists, Hyperlinks & Hypertexts lets us take an example that combines all these concepts and get more clarity on things

**Example:** Create the list in below format

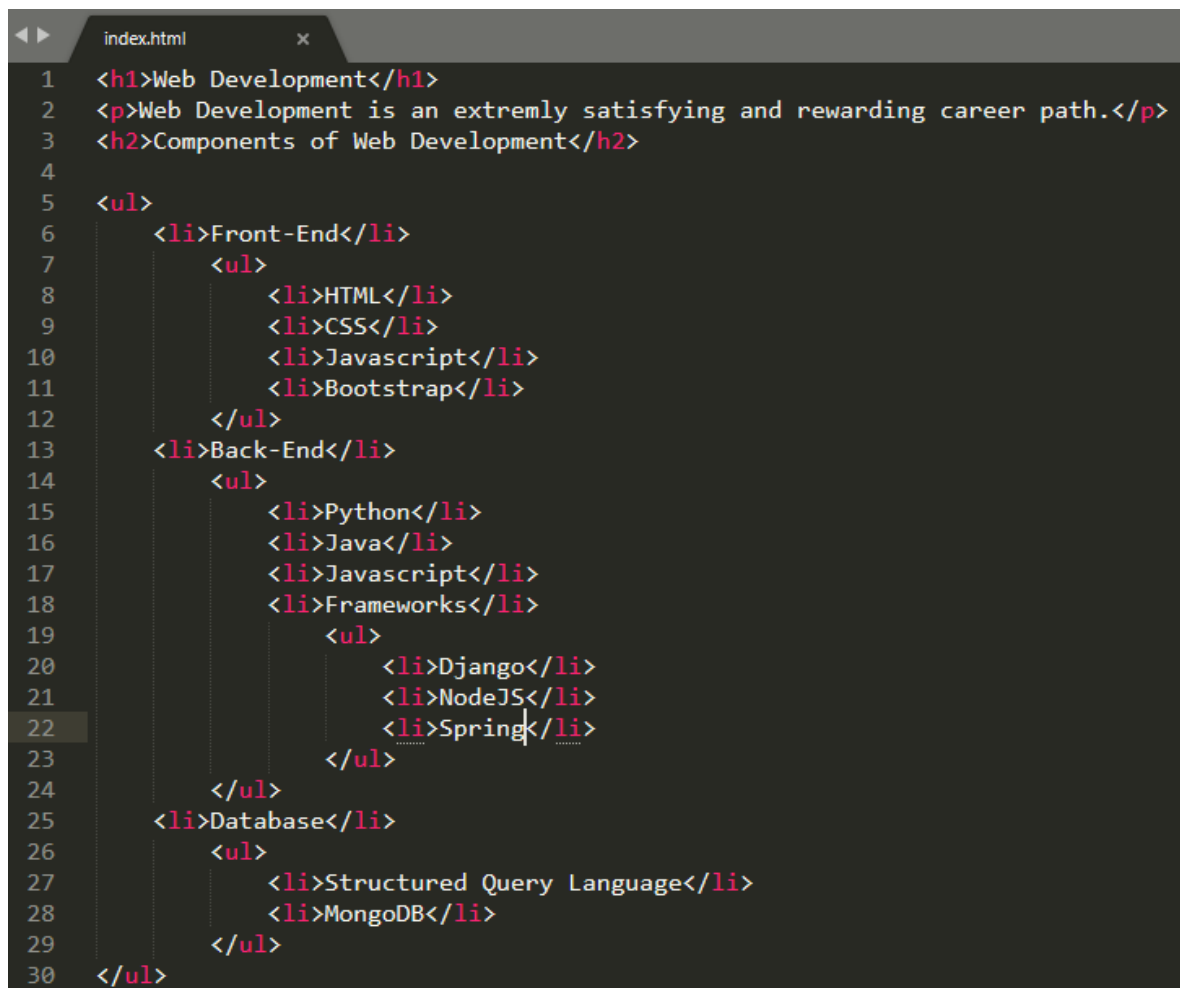
## Web Development

Web Development is an extremely satisfying and rewarding career path.

### Components Of Web Development

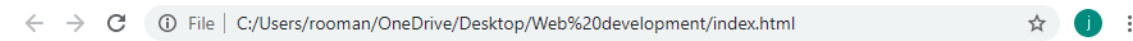
- Front-End
  - [HTML](#)
  - [CSS](#)
  - [Javascript](#)

- [Bootstrap](#)
- Back-End
  - [Python](#)
  - [Java](#)
  - [JavaScript](#)
  - Frameworks
    - [Django](#)
    - [Nodejs](#)
    - [Spring](#)
- DataBase
  - [Structured Query Language](#)
  - [MongoDB](#)



```
1 <h1>Web Development</h1>
2 <p>Web Development is an extremely satisfying and rewarding career path.</p>
3 <h2>Components of Web Development</h2>
4
5 <ul>
6   <li>Front-End</li>
7     <ul>
8       <li>HTML</li>
9       <li>CSS</li>
10      <li>Javascript</li>
11      <li>Bootstrap</li>
12    </ul>
13   <li>Back-End</li>
14     <ul>
15       <li>Python</li>
16       <li>Java</li>
17       <li>Javascript</li>
18       <li>Frameworks</li>
19         <ul>
20           <li>Django</li>
21           <li>NodeJS</li>
22           <li>Spring</li>
23         </ul>
24     </ul>
25   <li>Database</li>
26     <ul>
27       <li>Structured Query Language</li>
28       <li>MongoDB</li>
29     </ul>
30 </ul>
```

## Output:



## Web Development

Web Development is an extremely satisfying and rewarding career path.

### Components of Web Development

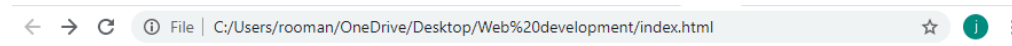
- Front-End
  - HTML
  - CSS
  - Javascript
  - Bootstrap
- Back-End
  - Python
  - Java
  - Javascript
  - Frameworks
    - Django
    - NodeJS
    - Spring
- Database
  - Structured Query Language
  - MongoDB

As we can see through output, no hyperlink or hypertext is linked yet. The text format is ready; we just have to link it to respective information using appropriate tags. Let us see how to do that in below segment

```
<h1>Web Development</h1>
<p>Web Development is an extremely satisfying and rewarding career path.</p>
<h2>Components of Web Development</h2>

<ul>
  <li>Front-End</li>
  <ul>
    <li><a href="Front-End\htm.html">HTML</a></li>
    <li><a href="Front-End\css.html">CSS</a></li>
    <li><a href="Front-End\js.html">Javascript</a></li>
    <li><a href="Front-End\bs.html">Bootstrap</a></li>
  </ul>
  <li>Back-End</li>
  <ul>
    <li><a href="Back-End\python.html">Python</a></li>
    <li><a href="Back-End\java.html">Java</a></li>
    <li><a href="Back-End\javascript.html">Javascript</a></li>
    <li>Frameworks</li>
    <ul>
      <li><a href="Back-End\Frameworks\dj.html">Django</a></li>
      <li><a href="Back-End\Frameworks\node.html">NodeJS</a></li>
      <li><a href="Back-End\Frameworks\spring.html">Spring</a></li>
    </ul>
  </ul>
  <li>Database</li>
  <ul>
    <li><a href="DB\mysql.html">Structured Query Language</a></li>
    <li><a href="DB\mongodb.html">MongoDB</a></li>
  </ul>
</ul>
```

## Output:



### Web Development

Web Development is an extremely satisfying and rewarding career path.

#### Components of Web Development

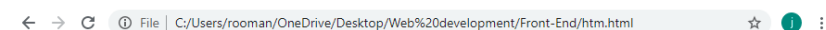
- Front-End
  - [HTML](#)
  - [CSS](#)
  - [Javascript](#)
  - [Bootstrap](#)
- Back-End
  - [Python](#)
  - [Java](#)
  - [Javascript](#)
  - Frameworks
    - [Django](#)
    - [NodeJS](#)
    - [Spring](#)
- Database
  - [Structured Query Language](#)
  - [MongoDB](#)

Now all the text has been converted to hypertext, using relevant tags. Let's see what will be displayed on each click

## • HTML

```
1 <h1>Hyper Text Markup Language</h1>
2 
3 <p>HTML is a Markup Language used to present contents in certain
  format as a webpage.</p>
```

## Output:



### Hyper Text Markup Language



HTML is a Markup Language used to present contents in certain format as a webpage.

## • CSS

```
1 <h1>Cascading Style Sheets</h1>
2 
3 <p>CSS is used to style a webpage and make it visually stunning.</p>
```

### Output:



## • JavaScript

```
1 <h1>Javascript</h1>
2 
3 <p>Javascript is the programming language of the web.</p>
```

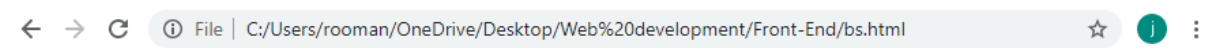
### Output:



## • Bootstrap

```
1 <h1>Bootstrap</h1>
2 
3 <p>A CSS framework created by Twitter which makes styling a
  webpage a super easy task.</p>
```

### Output:



## Bootstrap

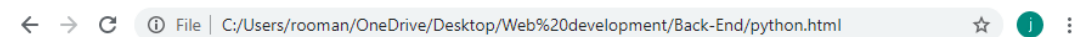


A CSS framework created by Twitter which makes styling a webpage a super easy task.

## • Python

```
1 <h1>PYTHON</h1>
2 
3 <p>Programming Language python is now firmly the second most
  popular programming language, for the first time knocking java
  out of the top two places in Redmonk's language popularity
  rankings.</p>
```

### Output:



## PYTHON



Programming Language python is now firmly the second most popular programming language, for the first time knocking java out of the top two places in Redmonk's language popularity rankings.

## • Java

```
1 <h1>JAVA</h1>
2 
3 <p>Java is a high level, robust, object-oriented and secure
  programming language developed by sun microsystems</p>
```

### Output:

← → ↻ ⓘ File | C:/Users/rooman/OneDrive/Desktop/Web%20development/Back-End/java.html ☆ ⓘ ⋮

## JAVA



Java is a high level, robust, object-oriented and secure programming language developed by sun microsystems

## • JavaScript

```
1 <h1>JAVASCRIPT</h1>
2 
3 <p>Javascript is the programming language used to both client
  and server side</p>
```

### Output:

← → ↻ ⓘ File | C:/Users/rooman/OneDrive/Desktop/Web%20development/Back-End/javascript.html ☆ ⓘ ⋮

## JAVASCRIPT



Javascript is the programming language used to both client and server side

## • Django

```
1 <h1>DJANGO</h1>
2 
3 <p>Django is a high-level python web framework that encourages
  rapid development and clean, pragmatic design. Built by
  experienced developers, it takes care of much of the hassle of
  web development, so you can focus on writing your app without
  needing to reinvent the wheel. It's free and open source.</p>
4
```

### Output:

← → ↻ ⓘ File | C:/Users/rooman/OneDrive/Desktop/Web%20development/Back-End/Frameworks/dj.html ☆ ⓘ ⋮

## DJANGO



Django is a high-level python web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.

## • Node JS

```
sr node.html x dj.html x javascript.html x java.html x python.html x x
<h1>NODE JS</h1>

<p>Node.js is an open-source, cross-platform, back-end,
Javascript runtime environment that executes Javascript code
outside a web browser</p>
```

### Output:

← → ↻ ⓘ File | C:/Users/rooman/OneDrive/Desktop/Web%20development/Back-End/Frameworks/node.html ☆ ⓘ ⋮

## NODE JS



Node.js is an open-source, cross-platform, back-end, Javascript runtime environment that executes Javascript code outside a web browser



## • Spring

```
my spring.html x node.html x dj.html x javascript.html x java.html x x
<h1>SPRING</h1>

<p>Spring framework is an open source Java platform that
provides comprehensive infrastructure support for developing
robust Java applications very easily and very rapidly.</p>
```

### Output:

← → ↻ ⓘ File | C:/Users/rooman/OneDrive/Desktop/Web%20development/Back-End/Frameworks/spring.html ☆ ⓘ ⋮

## SPRING



Spring framework is an open source Java platform that provides comprehensive infrastructure support for developing robust Java applications very easily and very rapidly.

## • MySQL

```
mor mysql.html x spring.html x node.html x dj.html x javascript.html x
<h1>SQL</h1>

<p>MySQL is the world's most popular open source database. With
its proven performance, reliability and ease-of-use, MySQL has
become the leading database choice for web-based applications,
used by high profile web properties including Facebook, Twitter,
Youtube, Yahoo! and many more.</p>
```

### Output:

← → ↻ ⓘ File | C:/Users/rooman/OneDrive/Desktop/Web%20development/DB/mysql.html ☆ ⓘ ⋮

## SQL



MySQL is the world's most popular open source database. With its proven performance, reliability and ease-of-use, MySQL has become the leading database choice for web-based applications, used by high profile web properties including Facebook, Twitter, Youtube, Yahoo! and many more.

- MongoDB

```
index  mongodb.html x  mysql.html x  spring.html x  node.html x  dj.html x
<h1>MONGODB</h1>

<p>MongoDB is an Open Source NoSQL database management program</p>
```

Output:



So now successfully we have seen how to create a page which links to various other pages.