



SOEN 287 Tutorial 2

Fall 2025

HTML File Structure

Declaration defines the document type

The root of the HTML document

Element contains meta-information about the document, such as the title

Contains the actual content of the webpage that is visible to users

<!DOCTYPE html>

<HTML>

<HEAD>

</HEAD>

<BODY>

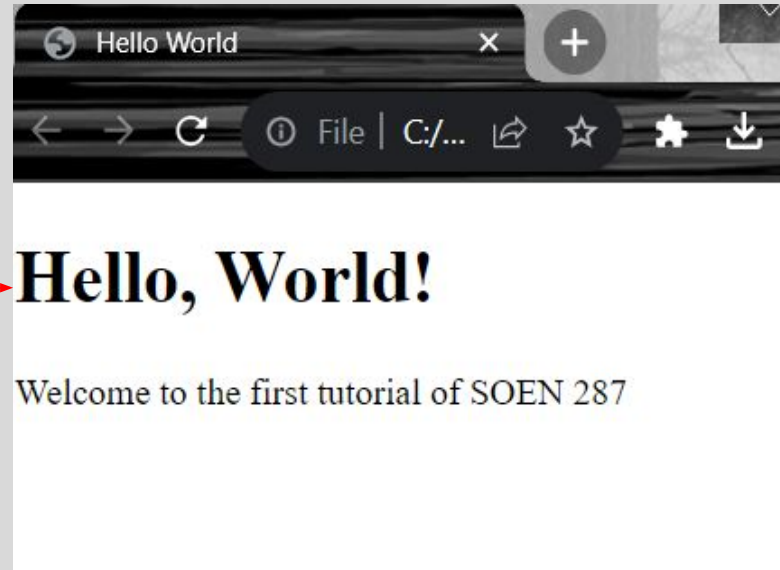
CONTENT

</BODY>

</HTML>

Exo1: Hello World

```
HelloWorld.html x
HelloWorld.html > html
1  <!DOCTYPE html>
2  <html >
3  <head>
4  |   <title>Hello World</title>
5  </head>
6  <body>
7  |   <h1>Hello, World!</h1>
8  |   <p>Welcome to the first tutorial of SOEN 287</p>
9  </body>
10 </html>
```



Our Goal For Tutoria 1

Welcome to the Cats shelter

Welcome to our Cat Shelter! Our mission is to provide a safe and loving home for cats in need. Whether you're looking to adopt a new feline friend or simply want to support our cause, you've come to the right place.

Adoption Requirements for Cats

Main Requirements:


- Applicant must be at least 18 years old.
- Demonstrate the ability to provide proper care, including food, water, and veterinary care.
- Because cats are unique:
 - Ability to interpret mysterious meows is a plus!
 - Acceptance of the occasional 'gift' of a half-eaten toy mouse.

Meet Ouzi and Ouza

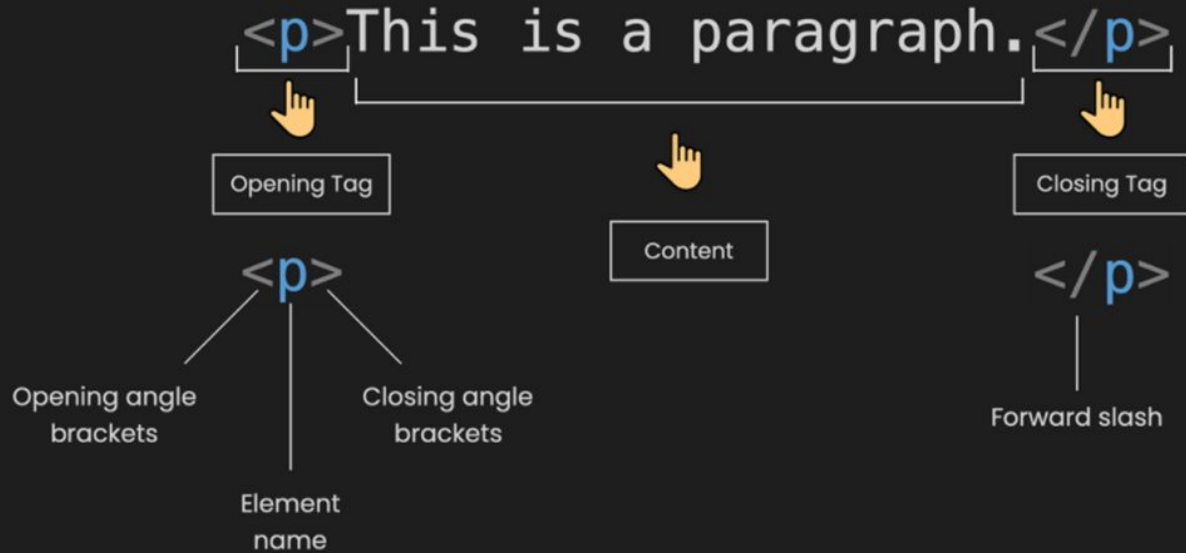
Meet Ouzi and Ouza, the dynamic sibling duo! These two adorable cats are as inseparable as they come. Ouzi, the orange explorer, and Ouza, the gentle tabby, are a pair of feline pals ready to bring twice the love into your life. Say hello to this charming twosome today!



Some of our other Residents

Whiskers	Male	Meet Whiskers, the fluffy ball of joy! With his soft fur and enchanting green eyes, Whiskers is a true snuggle enthusiast. He's the ultimate lap cat, always ready to keep you warm and melt your heart with his purrs.
Luna	Female	<ul style="list-style-type: none">• Playful• Friendly (She bites sometimes)• Independent
Oliver	Male	

HTML Element



Block-Level VS Inline HTML elements

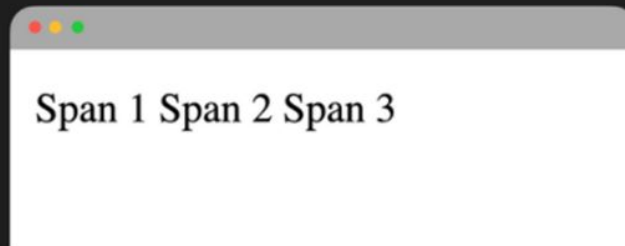
Block-level element **always starts on a new line** and takes up the full width available

```
<div>Div 1</div>  
<div>Div 2</div>  
<div>Div 3</div>
```



Inline element **does not start on a new line** and it only takes up as much width as necessary

```
<span>Span 1</span>  
<span>Span 2</span>  
<span>Span 3</span>
```

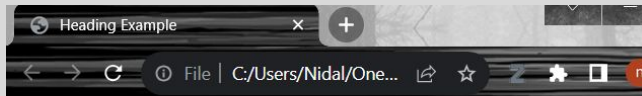


Heading Elements

Headings.html

Headings.html > html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Heading Example</title>
5 </head>
6 <body>
7   <h1>Main Heading (h1)</h1>
8   <p>This is the main title of the page.</p>
9
10  <h2>Subheading (h2)</h2>
11  <p>This is a subsection under the main heading.</p>
12
13  <h3>Sub-subheading (h3)</h3>
14  <p>This is a further subsection under the subheading.</p>
15
16  <h4>Sub-sub-subheading (h4)</h4>
17  <p>Continuing the hierarchical structure with a sub-subheading.</p>
18
19  <h5>Sub-sub-sub-subheading (h5)</h5>
20  <p>Another level of subheading - sub-sub-sub-subheading.</p>
21
22  <h6>Sub-sub-sub-sub-subheading (h6)</h6>
23  <p>This is the lowest level of heading, a sub-sub-sub-sub-subheading.</p>
24 </body>
25 </html>
```



Main Heading (h1)

This is the main title of the page.

Subheading (h2)

This is a subsection under the main heading.

Sub-subheading (h3)

This is a further subsection under the subheading.

Sub-sub-subheading (h4)

Continuing the hierarchical structure with a sub-subheading.

Sub-sub-sub-subheading (h5)

Another level of subheading - sub-sub-sub-subheading.

Sub-sub-sub-sub-subheading (h6)

This is the lowest level of heading, a sub-sub-sub-sub-subheading.

HTML elements can be used *Hierarchically*

DivSpan.html X

DivSpan.html > html > body > div#Div2

```
1 <!DOCTYPE html>
2 <html >
3 <head>
4   <title>Div and Span Example</title>
5 </head>
6 <body>
7   <div id="Div1">
8     <h1>First division</h1>
9     <h1>Heading 1: This is an H1 Heading</h1>
10    <h6>Heading 6: This is an H6 Heading</h6>
11  </div>
12  <hr>
13  <div id="Div2">
14    <h1>Second division</h1>
15    <p>This is a paragraph in the second division</p>
16  </div>
17  <hr>
18  <div id="Div3">
19    <h1>Third division</h1>
20    <p>This is a <span style="color: red;">span</span> example.</p>
21  </div>
22  <hr>
23 </body>
24 </html>
25
26
```

Div and Span Example X +

File | C:/Users/Nidal/OneDriv... ☆

First division

Title 2: This is an h2 title

Title 2: This is an h6 title

Second division

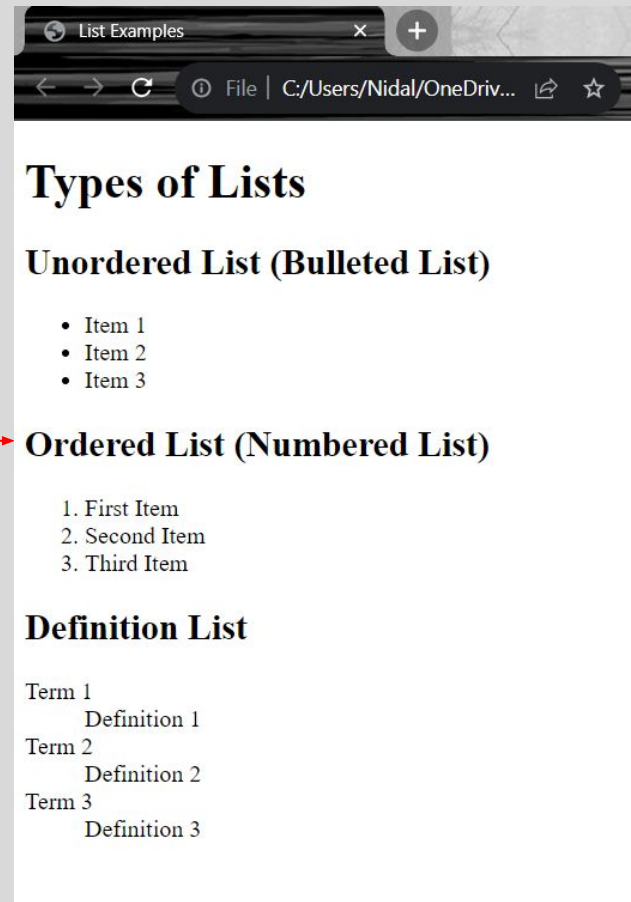
This is a paragraph in the second division

Third division

This is a span example.

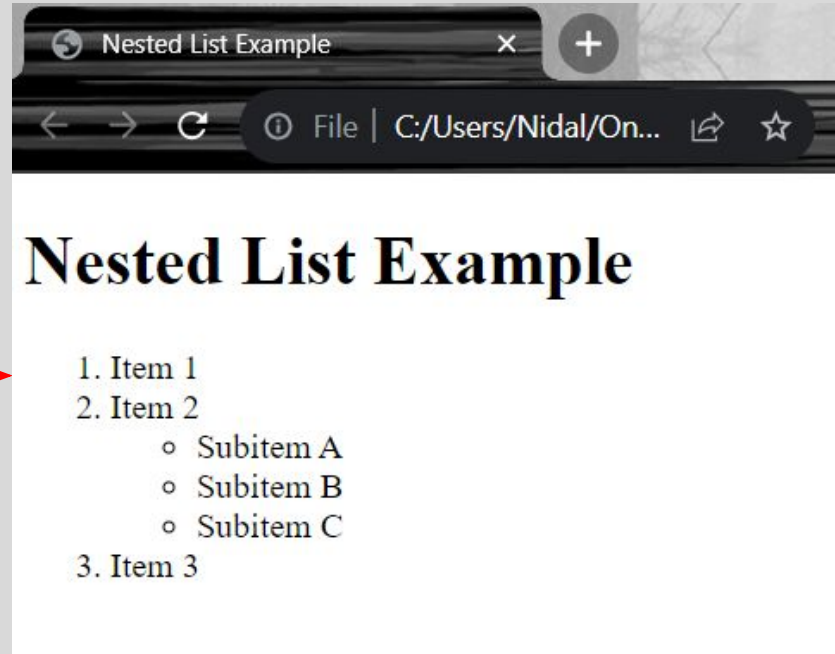
HTML Lists

```
Lists.html X
Lists.html > html > body
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>List Examples</title>
5 </head>
6 <body>
7 <h1>Types of Lists</h1>
8
9 <h2>Unordered List (Bulleted List)</h2>
10 <ul>
11 <li>Item 1</li>
12 <li>Item 2</li>
13 <li>Item 3</li>
14 </ul>
15
16 <h2>Ordered List (Numbered List)</h2>
17 <ol>
18 <li>First Item</li>
19 <li>Second Item</li>
20 <li>Third Item</li>
21 </ol>
22
23 <h2>Definition List</h2>
24 <dl>
25 <dt>Term 1</dt>
26 <dd>Definition 1</dd>
27 <dt>Term 2</dt>
28 <dd>Definition 2</dd>
29 <dt>Term 3</dt>
30 <dd>Definition 3</dd>
31 </dl>
32 </body>
33 </html>
34
```



HTML Nested Lists

```
NestedList.html X
NestedList.html > ...
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Nested List Example</title>
5 </head>
6 <body>
7   <h1>Nested List Example</h1>
8
9   <!-- Outer Ordered List -->
10  <ol>
11    <li>Item 1</li>
12    <li>Item 2
13      <!-- Nested Unordered List -->
14      <ul>
15        <li>Subitem A</li>
16        <li>Subitem B</li>
17        <li>Subitem C</li>
18      </ul>
19    </li>
20    <li>Item 3</li>
21  </ol>
22 </body>
23 </html>
24
```



Exo2: Create the first 2 Divs of the Goal

Division 1

Welcome to the Cats shelter

Welcome to our Cat Shelter! Our mission is to provide a safe and loving home for cats in need. Whether you're looking to adopt a new feline friend or simply want to support our cause, you've come to the right place.

Paragraph

Adoption Requirements for Cats

Division 2

Main Requirements:

- Applicant must be at least 18 years old.
- Demonstrate the ability to provide proper care, including food, water, and veterinary care.
- Because cats are unique:
 - Ability to interpret mysterious meows is a plus!
 - Acceptance of the occasional 'gift' of a half-eaten toy mouse.

Nested List

HTML Images

HTML IMAGE TAG

``



Tag
Name



Attribute
Name



Attribute
Value



Attribute
Name



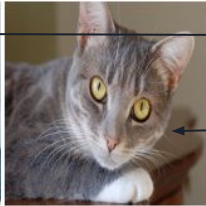
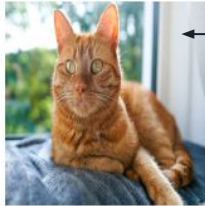
Attribute
Value

Exo3: Create the 3rd Div of the Goal

Division 3

Meet Ouzi and Ouza

Meet Ouzi and Ouza, the dynamic sibling duo! These two adorable cats are as inseparable as they come. Ouzi, the orange explorer, and Ouza, the gentle tabby, are a pair of feline pals ready to bring twice the love into your life. Say hello to this charming twosome today!



Local image

Online image

Paragraph

HTML Tables

Start of the Table

Table Header
Row

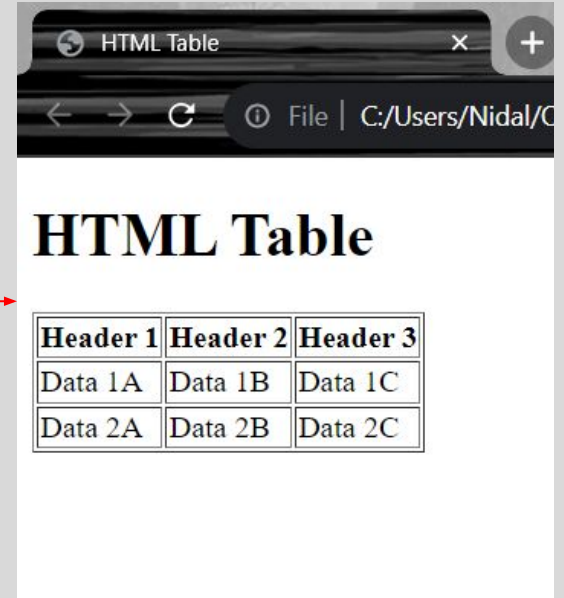
Table Body

Table Row 1

Column 3 of Row 1

End of Table


```
Tableexample.html X
Tableexample.html > html > body > table > thead > tr
1  <!DOCTYPE html>
2  <html>
3  <head>
4
5      <title>HTML Table</title>
6  </head>
7  <body>
8      <h1>HTML Table</h1>
9      <table border="1">
10         <thead>
11             <tr>
12                 <th>Header 1</th>
13                 <th>Header 2</th>
14                 <th>Header 3</th>
15             </tr>
16         </thead>
17         <tbody>
18             <tr>
19                 <td>Data 1A</td>
20                 <td>Data 1B</td>
21                 <td>Data 1C</td>
22             </tr>
23
24             <tr>
25                 <td>Data 2A</td>
26                 <td>Data 2B</td>
27                 <td>Data 2C</td>
28             </tr>
29         </tbody>
30     </table>
31 </body>
32 </html>
33
```



Exo4: Create the 4th Div of the Goal

Division 4

Some of our other Residents

Whiskers	Male	Meet Whiskers, the fluffy ball of joy! With his soft fur and enchanting green eyes, Whiskers is a true snuggle enthusiast. He's the ultimate lap cat, always ready to keep you warm and melt your heart with his purrs.
Luna	Female	<ul style="list-style-type: none">• Playful• Friendly (She bites sometimes)• Independent
Oliver	Male	

Paragraph

List

Table

Image