Lesson 9

Lists

Lists in HTML are HTML elements that we use to handle array of data. There are three predefined types of HTML lists:

1. Unordered lists
2. Ordered lists
3. Description lists

1.Unordered lists are HTML lists that we use in cases where order of elements in our data array is not important.

```
<ul>
        <li>Apple</li>
        <li>Banana</li>
        <li>Orange</li>
</ul>
```

- Apple
- Banana
- Orange

As you see, unordered list starts with <ul> (Unordered List) start tag and ends up with end tag. Elements of list we represent with (List Item) HTML elements.

You probably have noticed that by default elements in unordered list have bullet point on the start. With HTML attribute type, that we add in start <ul> tag, we can define shape of bullet.

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. There are three predefined options:

1. Disc   2. Square   3. Circle

```
<ul type="disc">
        <li>Apple</li>
        <li>Banana</li>
        <li>Orange</li>
</ul>
```

- Apple
- Banana
- Orange

```
<ul type="square">
        <li>Apple</li>
        <li>Banana</li>
        <li>Orange</li>
</ul>
```

▪ Apple
▪ Banana
▪ Orange

```
<ul type="circle">
        <li>Apple</li>
        <li>Banana</li>
        <li>Orange</li>
</ul>
```

○ Apple
○ Banana
○ Orange

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2.Ordered lists are HTML lists that we use in cases where we want to order data from data array. We can order data numerically or alphabetically.

```
<ol>
        <li>Element 1</li>
        <li>Element 2</li>
        <li>Element 3</li>
</ol>
```

1. Element1
2. Element2
3. Element3

By default, ordered list will order our data numerically, but with type HTML attribute, that we add to start <ol> tag, we can change this default behavior. There are five predefined values that we can use

1 – default-case numerals

I – upper-case numerals

i – lower-case numerals

A – upper-case letters

a – lower-case letters

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```
<ol type="1">
        <li>Element1</li>
        <li>Element2</li>
        <li>Element3</li>
</ol>
```

1. Element1
2. Element2
3. Element3

```
<ol type="I">
        <li>Element1</li>
        <li>Element2</li>
        <li>Element3</li>
</ol>
```

I.   Element1
II. Element2
III. Element3

```
<ol type="i">
        <li>Element1</li>
        <li>Element2</li>
        <li>Element3</li>
</ol>
```

i.   Element1
ii. Element2
iii. Element3

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```
<ol type="A">
        <li>Element1</li>
        <li>Element2</li>
        <li>Element3</li>
</ol>
```

A. Element1
B. Element2
C. Element3

```
<ol type="a">
        <li>Element1</li>
        <li>Element2</li>
        <li>Element3</li>
</ol>
```

a) Element1
b) Element2
c) Element3

3. Description lists are HTML lists that we use in cases where we have data that contains element and description of that element.

Description list starts with <dl> (Description List) start HTML tag and ends up with </dl> end tag.

Term for item from data array is defined with <dt></dt> HTML element, and description for item from data array is defined with <dd></dd> HTML element.

By default, <dd></dd> element has some extra blank space on the left side (left margin) .

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```
<dl>
        <dt>Lesson 1</dt>
        <dd>Introduction to HTML</dd>
        <dt>Lesson 2</dt>
        <dd>HTML document structure</dd>
</dl>
```

Lesson 1

   Introduction to HTML

Lesson 2

   HTML document structure