Grade 9

1st Quarter

Lesson 2

LIST

HTML Lists

HTML Lists are used to specify lists of information. All lists may contain one or more list elements. There are three different types of HTML lists:

1. Ordered List or Numbered List (ol)
2. Unordered List or Bulleted List (ul)
3. Description List or Definition List or Glossary List (dl)

HTML Tag	Definition
	unordered or bulleted list
	ordered or numbered list
<dl>	description or definition or glossary list
	line item

Ordered List

Data can be presented in *enumerated* format or list. The first type of list is the ordered list or more known as the *numbered* list.

Ordered List

This is the type of list where each item is numbered usually starting at 1 (but can be changed using the start attribute). The ordered list uses the container tag . Each item in this list is specified by the tag .

The ordered list has different types of numbering and can be specified by keying the specified value for the type attribute.

- **1 for regular numbering (1,2,3,4, etc.)**
- **a for lowercase alphabet (a,b,c,d,etc.)**
- **A for uppercase alphabet (A,B,C,D,etc.)**
- **i for lowercase Roman Numerals (i,ii,iii,iv,etc.)**
- **I for uppercase Roman Numerals (I,II,III,IV,etc.)**

Attribute Table for		
Attribute name	**Definition**	**Values**
type	Indicates the type of numbering used in the list. Ex. <ol type="A">	1, a, A, i, I
start	Indicates the value or number of the first item in the list. Ex. <ol type="1"start="3">	any number

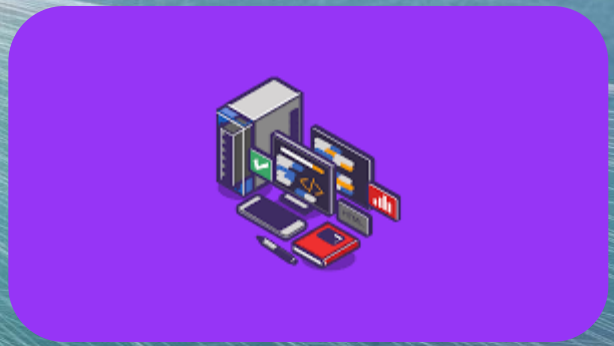
- **By default, ordered lists use Arabic numerals with a value “1” for the first list item. “2” for the second item, and so on.**
- **You can also change the starting point of an ordered list by adding the *start* attribute in the initial <ol> tag. For example you want to start the list with number 5 then you should type <ol start=“5”>.**

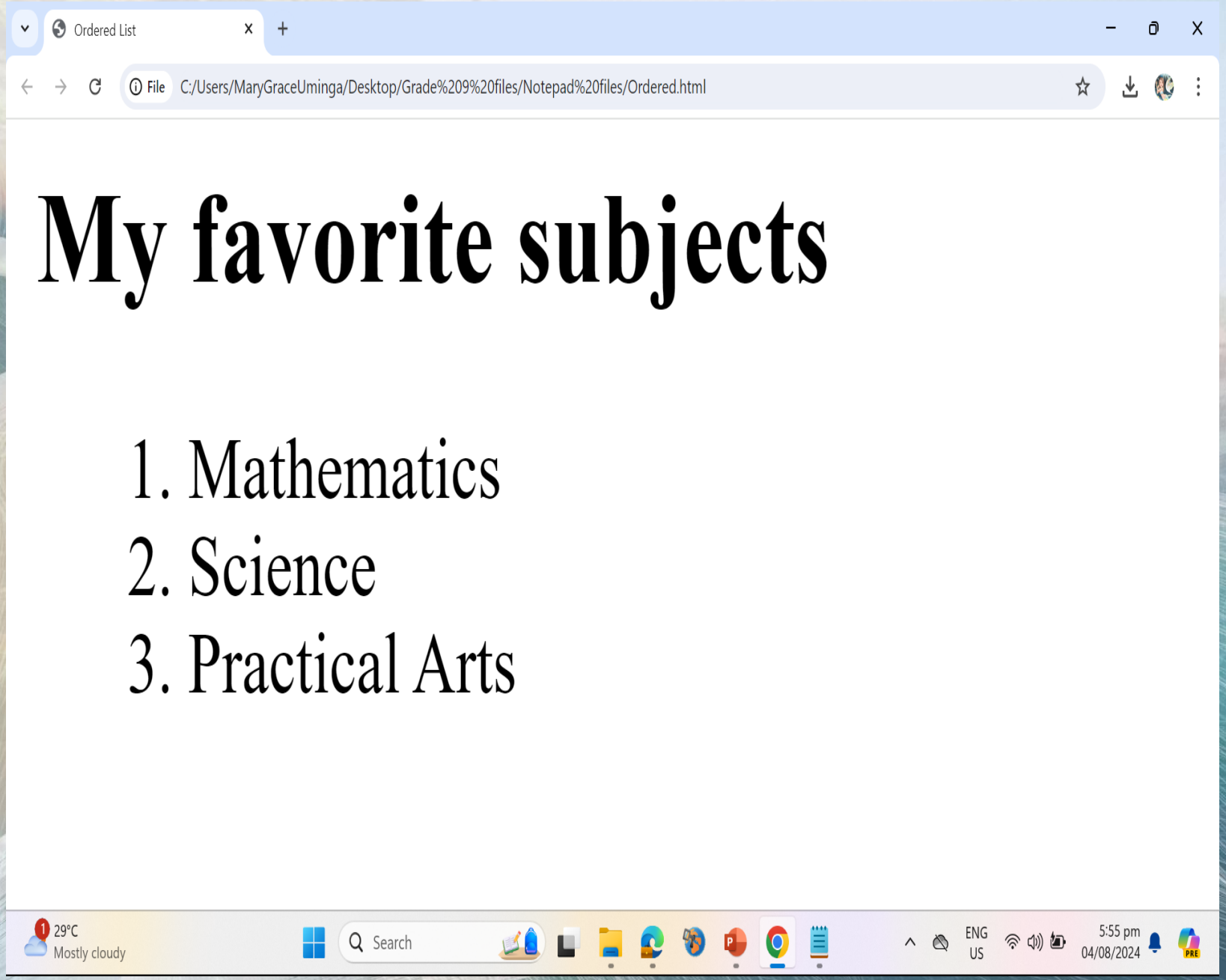
Ordered.txt

File Edit View

```
<html>
<head><title>Ordered List</title>
</head>
<body>
<h2>My favorite subjects </h2>
<ol>
<li>Mathematics</li>
<li>Science</li>
<li>Practical Arts</li>
</ol>
</body>
</html>
```

Sample Code





Browser Output

A bright mind is nothing without a humble heart

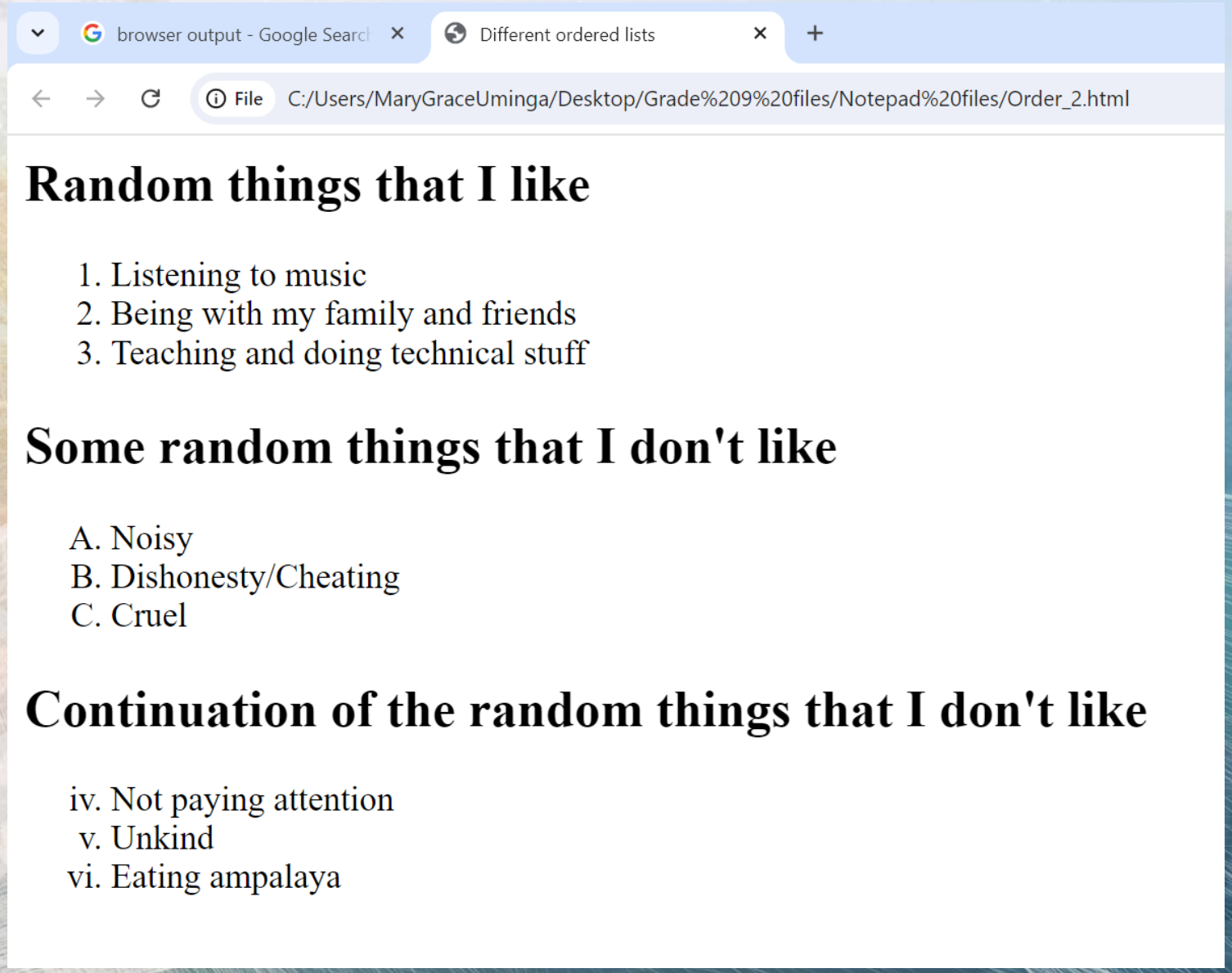
Sample code for different ordered list

Order_2.html

File Edit View

```
<html>
<head><title>Different ordered lists</title>
</head>
<body>
<h2>Random things that I like</h2>
<ol>
<li>Listening to music</li>
<li>Being with my family and friends</li>
<li>Teaching and doing technical stuff</li>
</ol>
<h2>Some random things that I don't like</h2>
<ol type="A">
<li>Noisy</li>
<li>Dishonesty/Cheating</li>
<li>Cruel</li>
</ol>
<h2>Continuation of the random things that I don't like</h2>
<ol type="i" start="4">
<li>Not paying attention</li>
<li>Unkind</li>
<li>Eating ampalaya</li>
</ol>
</body>
</html>
```

Browser output for different ordered list



In the last example, notice that the value for the start attribute in the last list is 4 and since that list is to enumerate the items using lowercase Roman Numerals, it started its count in iv.

Order_2.html

File Edit View

```
<html>
<head><title>Different ordered lists</title>
</head>
<body>
<h2>Random things that I like</h2>
<ol>
<li>Listening to music</li>
<li>Being with my family and friends</li>
<li>Teaching and doing technical stuff</li>
</ol>
<h2>Some random things that I don't like</h2>
<ol type="A">
<li>Noisy</li>
<li>Dishonesty/Cheating</li>
<li>Cruel</li>
</ol>
<h2>Continuation of the random things that I don't like</h2>
<ol type="i" start="4">
<li>Not paying attention</li>
<li>Unkind</li>
<li>Eating ampalaya</li>
</ol>
</body>
</html>
```

Unordered List

Unordered type of list enumerates each item as bulleted and uses container tag . Like the ordered list, each item in the list is specified by the tag.

The unordered list has different types of bullet to be used and can be specified by keying the specified value for the type attribute:

- **<u>disc</u> for round bullets,**
  ex. <ul type="disc">
- **<u>circle</u> for circular bullets,**
  ex. <ul type="circle">
- **<u>square</u> for square bullets,**
  ex. <ul type="square">

Attribute Table for		
Attribute name	**Definition**	**Values**
type	Indicates the type of bullet to be used in the list. Ex. <ul type="disc">	disc, circle, square

Note:

By default, unordered list shows solid rounded bullets.

You can mix ordered and unordered list and create one list inside another. However, be sure to nest each list using the required opening and closing tags.

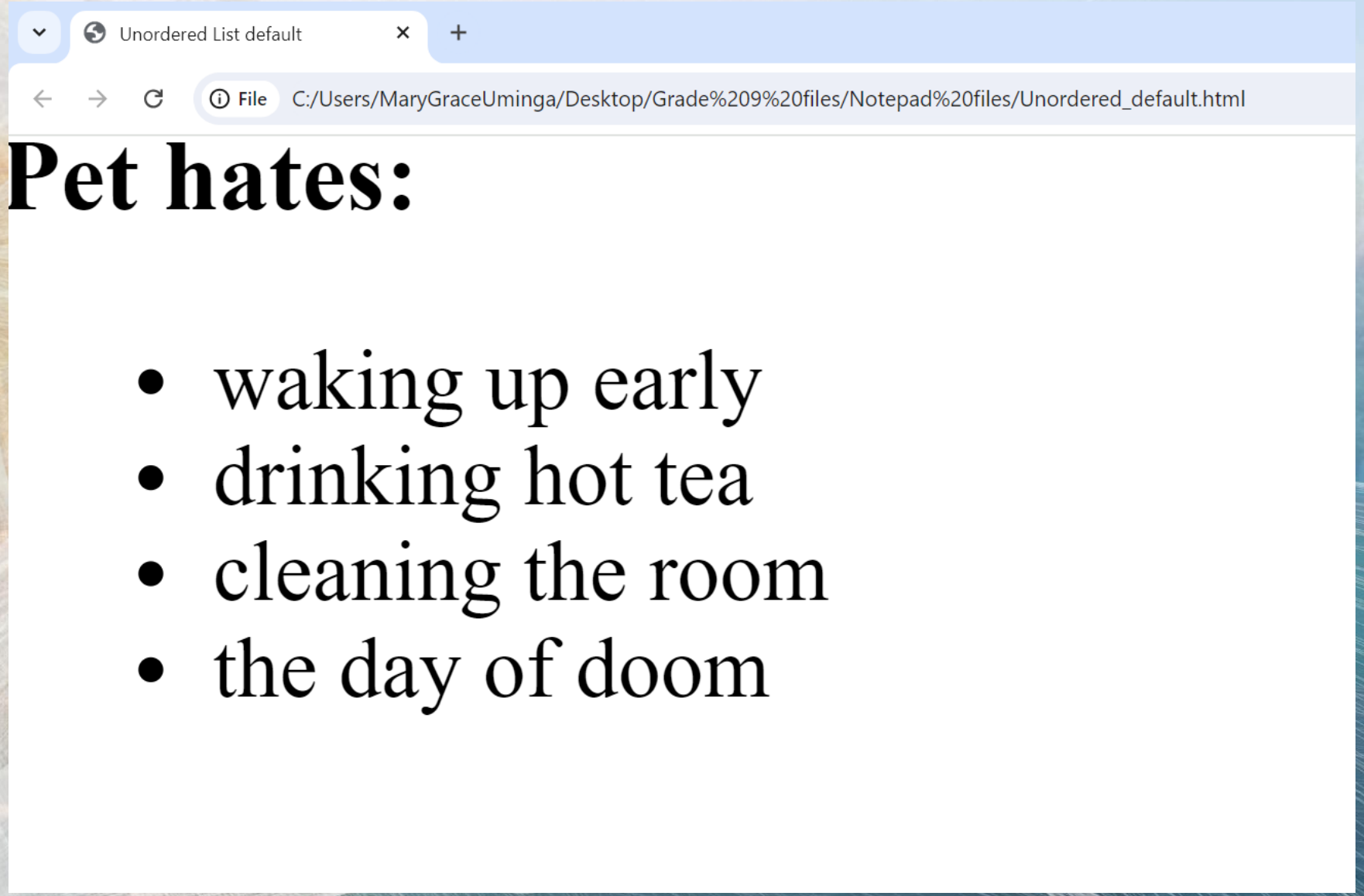
Sample code for default unordered list

Unordered_default.txt

File Edit View

```
<html>
<head><title>Unordered List default</title>
</head>
<body>
<h3>Pet hates:</h3>
<ul>
<li>waking up early</li>
<li>drinking hot tea</li>
<li>cleaning the room</li>
<li>the day of doom</li>
</ul>
</body>
</html>
```

Browser output for default unordered list



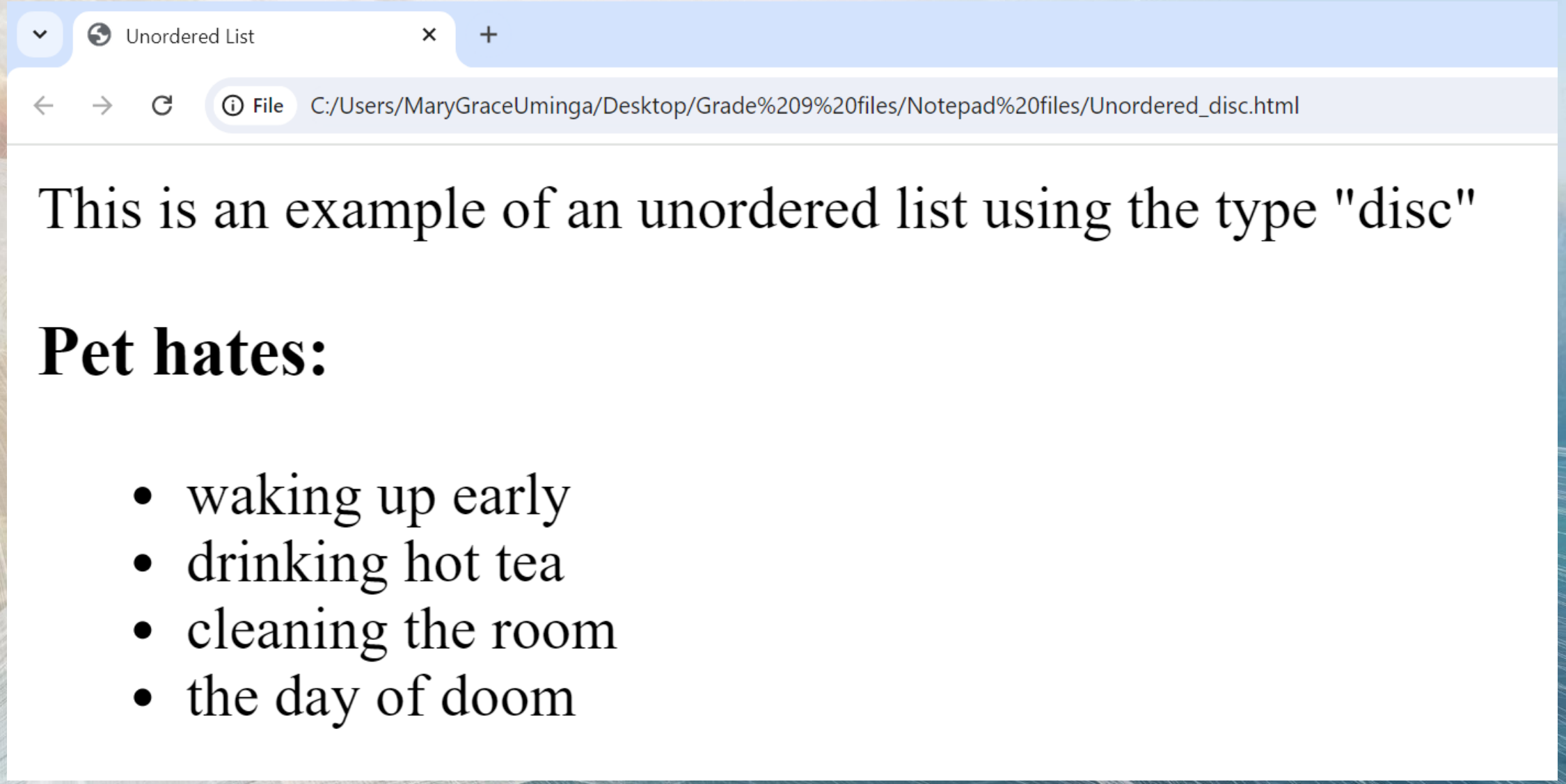
Sample code for unordered list using type disc

Unordered_disc.txt

File Edit View

```
<html>
<head><title>Unordered List</title>
</head>
<body>
This is an example of an unordered list using the type "disc"
<h3>Pet hates:</h3>
<ul type="disc">
<li>waking up early</li>
<li>drinking hot tea</li>
<li>cleaning the room</li>
<li>the day of doom</li>
</ul>
</body>
</html>
```

Browser output for unordered list (disc)



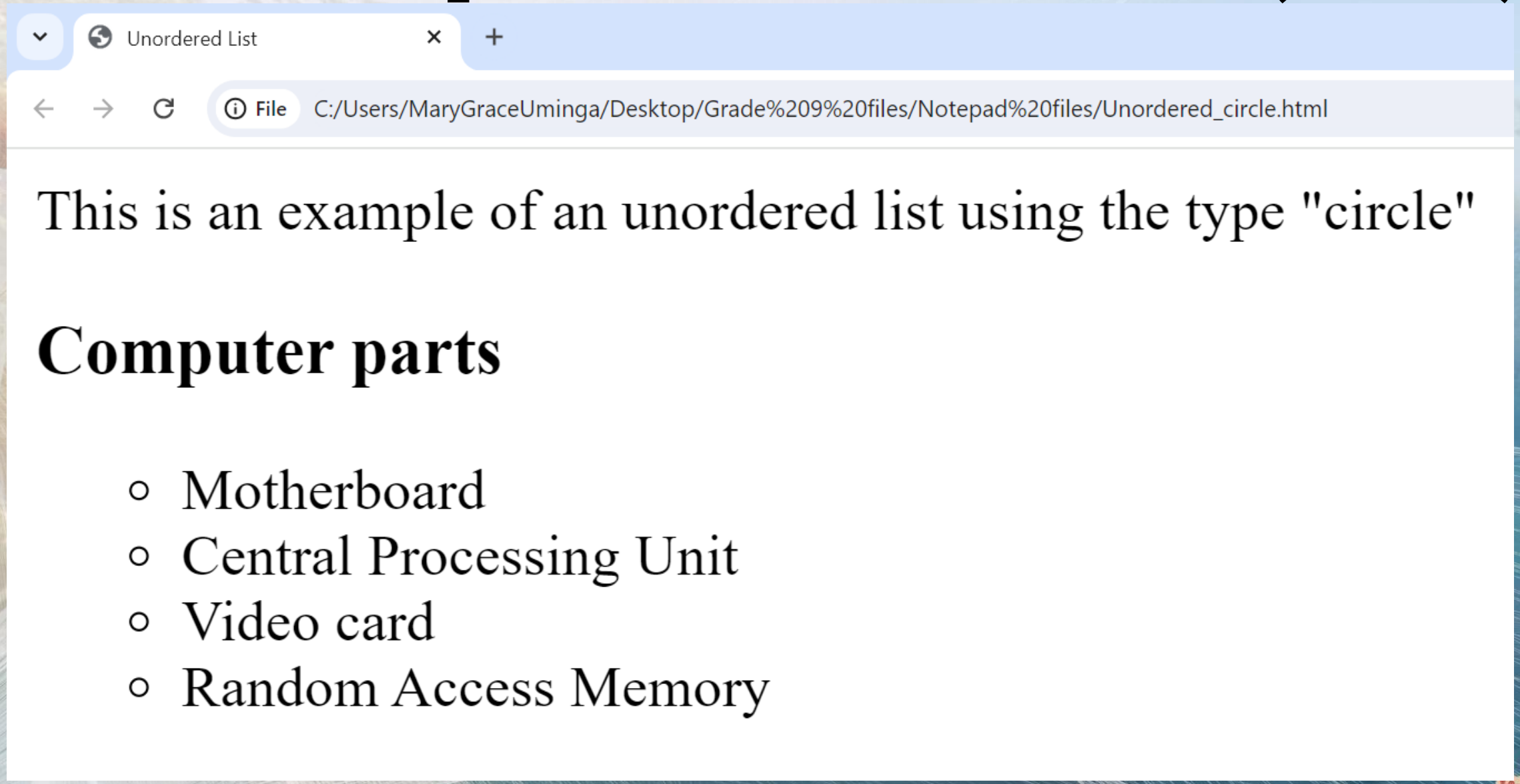
Sample code for unordered list using type circle

Unordered_circle.txt

File Edit View

```
<html>
<head><title>Unordered List</title>
</head>
<body>
This is an example of an unordered list using the type "circle"
<h3>Computer parts</h3>
<ul type="circle">
<li>Motherboard</li>
<li>Central Processing Unit</li>
<li>Video card</li>
<li>Random Access Memory</li>
</ul>
</body>
</html>
```

Browser output for unordered list (circle)



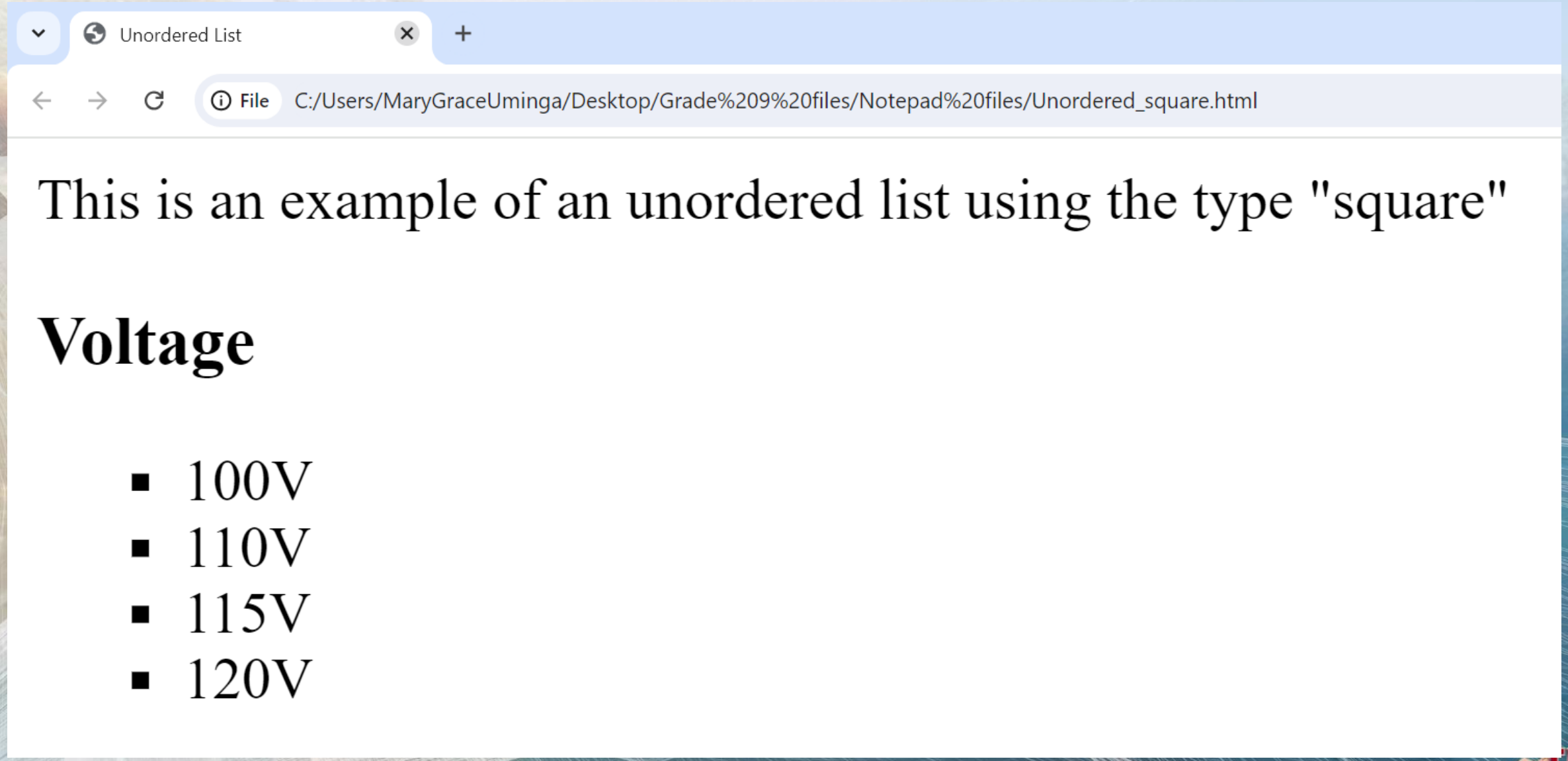
Sample code for unordered list using type square

Unordered_square.txt

File Edit View

```
<html>
<head><title>Unordered List</title>
</head>
<body>
This is an example of an unordered list using the type "square"
<h3>Voltage</h3>
<ul type="square">
<li>100V</li>
<li>110V</li>
<li>115V</li>
<li>120V</li>
</ul>
</body>
</html>
```

Browser output for unordered list (square)



Definition List

Another type of list is the definition list. Also called as *description* or *glossary* list.

It is an effective tool for making your own "definition of terms" or glossary. This type of list uses the container tag <dl></dl>.

Definition List

Unlike the previous lists, the definition list uses the tags <dt></dt> for the item itself and <dd></dd> for the definition of the item.

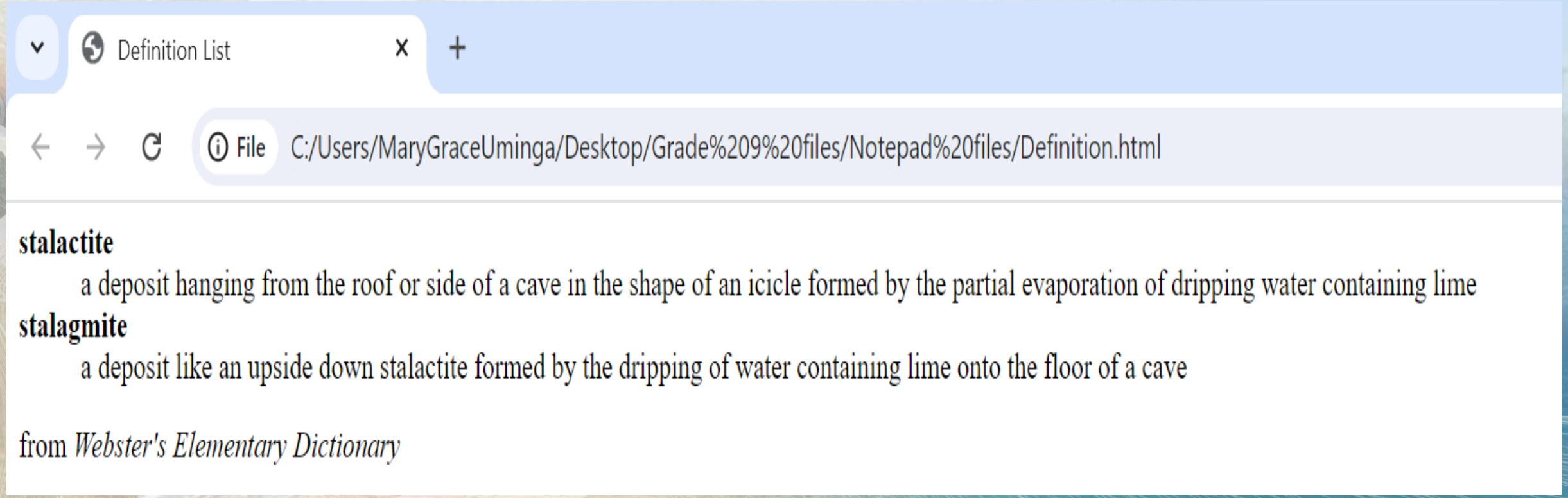
Sample code for definition list

Definition.html

File Edit View

```
<html>
<head><title>Definition List</title>
</head>
<body>
<dl>
<dt><strong>stalactite</strong></dt>
<dd>a deposit hanging from the roof or side of a cave in the shape of an icicle formed by the partial evaporation of dripping water containing lime</dd>
<dt><strong>stalagmite</strong></dt>
<dd>a deposit like an upside down stalactite formed by the dripping of water containing lime onto the floor of a cave</dd>
<p> from <em>Webster's Elementary Dictionary</em></p>
</dl>
</body>
</html>
```

Browser output for definition list



Note: You can have as many descriptions for each term as you like. Inside the definition data <dd> tags, you can also put paragraphs, line breaks, links, images, or even other lists.

Nested List

When you want to do an outline, you come up with a structured list, which can be created in a webpage. You can NEST lists within lists to create a hierarchy of information, putting unordered or ordered lists inside the first list's item tags.

Sample code for nested list

Nested.txt

File Edit View

```
<html>
<head><title>Nested List</title>
</head>
<body>
<ol type="A"><b>An Outline</b><br><br>
<li><i>Unordered list</i>
    <ol>Types:
    <li>disc</li>
    <li>square</li>
    <li>circle</li>
    </ol>
</li>
<li><i>Ordered list</i>
     <ol>Types:
     <li>Arabic</li>
     <li>Roman</li>
     <li>Alpha</li>
     </ol>
</li>
<li><i>Definition list</i>
     <ol>Tags:
     <li>list</li>
     <li>term</li>
     <li>data</li>
     </ol>
</li>
</body>
</html>
```

Assignment:

Always PRACTICE coding at home.

THANK YOU!

A bright mind is nothing without a humble heart