**jQuery Traversing**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>HTML DOM Tree Sample</title>

<script src="jquery-3.3.1.js"></script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

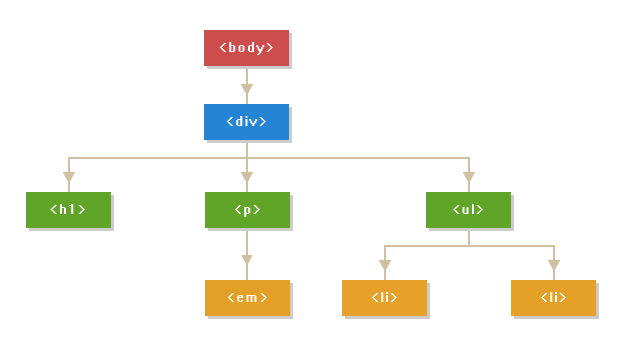
</ul>

</div>

</body>

</html>

The HTML code in the example above can be represented by the following DOM tree:



The above diagram showing the parent/child relationships between the elements:

* The <body> element is the ***parent*** of the <div> element, and an ***ancestor*** of everything inside of it. The enclosed <div> element is the ***parent*** of <h1>, <p> and <ul> elements, and a ***child*** of the <body> element.
* The elements <h1>, <p> and <ul> are ***siblings***, since they share the same parent.
* The <h1> element is a ***child*** of the <div> element and a ***descendant*** of the <body> element. This element does not have any children.
* The <p> element is the ***parent*** of <em> element, ***child*** of the <div> element and a ***descendant*** of the <body> element. The containing <em> element is a ***child*** of this <p> element and a ***descendant*** of the <div> and <body> element.
* Similarly, the <ul> element is the ***parent*** of the <li> elements, ***child*** of the <div> element and a ***descendant*** of the <body> element. The containing <li> elements are the ***child*** of this <ul> element and a ***descendant*** of the <div> and <body> element. Also, both the <li> elements are ***siblings***.
* **jQuery parent() Method**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting the Direct Parent Element in jQuery</title>

<style>

.highlight{

background: red;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("li").parent().addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## <!DOCTYPE html>

## <html lang="en">

## <head>

## <meta charset="utf-8">

## <title>Selecting All the Ancestor Elements in jQuery</title>

## <style>

## \*{

## margin: 10px;

## }

## .frame{

## border: 2px solid green;

## }

## </style>

## <script src="jquery-3.3.1.js"></script>

## <script>

## $(document).ready(function(){

## $("span").parent().addClass("frame");

## });

## </script>

## </head>

## <body>

## <div class="container">

## <h1>Hello World</h1>

## <p>This is a <em>simple paragraph</em>.</p>

## <ul>

## <li><span>test</span>Item One</li>

## 

## <li>Item Two</li>

## </ul>

## </div>

## </body>

## </html>

## jQuery parents() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting All the Ancestor Elements in jQuery</title>

<style>

\*{

margin: 10px;

}

.frame{

border: 2px solid green;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("li").parents().addClass("frame");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

You can optionally include one or more selector as a parameter within the parents() method to filter your search for the ancestors. The following example will apply the border around all the ancestors of the <li> that are <div> elements.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting the Specific Ancestor Elements in jQuery</title>

<style>

\*{

margin: 10px;

}

.frame{

border: 2px solid green;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("li").parents("div").addClass("frame");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery parentsUntil() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting All the Ancestors between Two Elements in jQuery</title>

<style>

\*{

margin: 10px;

}

.frame{

border: 2px solid green;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("li").parentsUntil("html").addClass("frame");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery children() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting the Direct Child Elements in jQuery</title>

<style>

.highlight{

background: yellow;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("ul").children().addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery find() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting the Specific Descendant Elements in jQuery</title>

<style>

\*{

margin: 10px;

}

.frame{

border: 2px solid green;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("div").find("li").addClass("frame");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

However, if you want to get all the descendant elements you can use the universal selector.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting All the Descendant Elements in jQuery</title>

<style>

\*{

margin: 10px;

}

.frame{

border: 2px solid green;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("div").find("\*").addClass("frame");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery siblings() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting All the Sibling Elements in jQuery</title>

<style>

.highlight{

background: yellow;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("p").siblings().addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

You can optionally include one or more selector as a parameter within the siblings() method to filter your search for the siblings. The following example will only apply the border around the siblings of the <p> that are <ul> elements.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting the Specific Sibling Elements in jQuery</title>

<style>

.highlight{

background: yellow;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("p").siblings("ul").addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery next() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting the Next Sibling Element in jQuery</title>

<style>

.highlight{

background: yellow;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("p").next().addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery nextAll() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting All the Following Sibling Elements in jQuery</title>

<style>

.highlight{

background: yellow;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("p").nextAll().addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<p>This is another paragraph.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery nextUntil() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting All Following Siblings between Two Elements in jQuery</title>

<style>

.highlight{

background: yellow;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("h1").nextUntil("ul").addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<p>This is another paragraph.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery prev() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting the Previous Sibling Element in jQuery</title>

<style>

.highlight{

background: yellow;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("ul").prev().addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<p>This is another paragraph.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery prevAll() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting All the Preceding Sibling Elements in jQuery</title>

<style>

.highlight{

background: yellow;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("ul").prevAll().addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<p>This is another paragraph.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>

## jQuery prevUntil() Method

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Selecting All Preceding Siblings between Two Elements in jQuery</title>

<style>

.highlight{

background: yellow;

}

</style>

<script src="jquery-3.3.1.js"></script>

<script>

$(document).ready(function(){

$("ul").prevUntil("h1").addClass("highlight");

});

</script>

</head>

<body>

<div class="container">

<h1>Hello World</h1>

<p>This is a <em>simple paragraph</em>.</p>

<p>This is another paragraph.</p>

<ul>

<li>Item One</li>

<li>Item Two</li>

</ul>

</div>

</body>

</html>