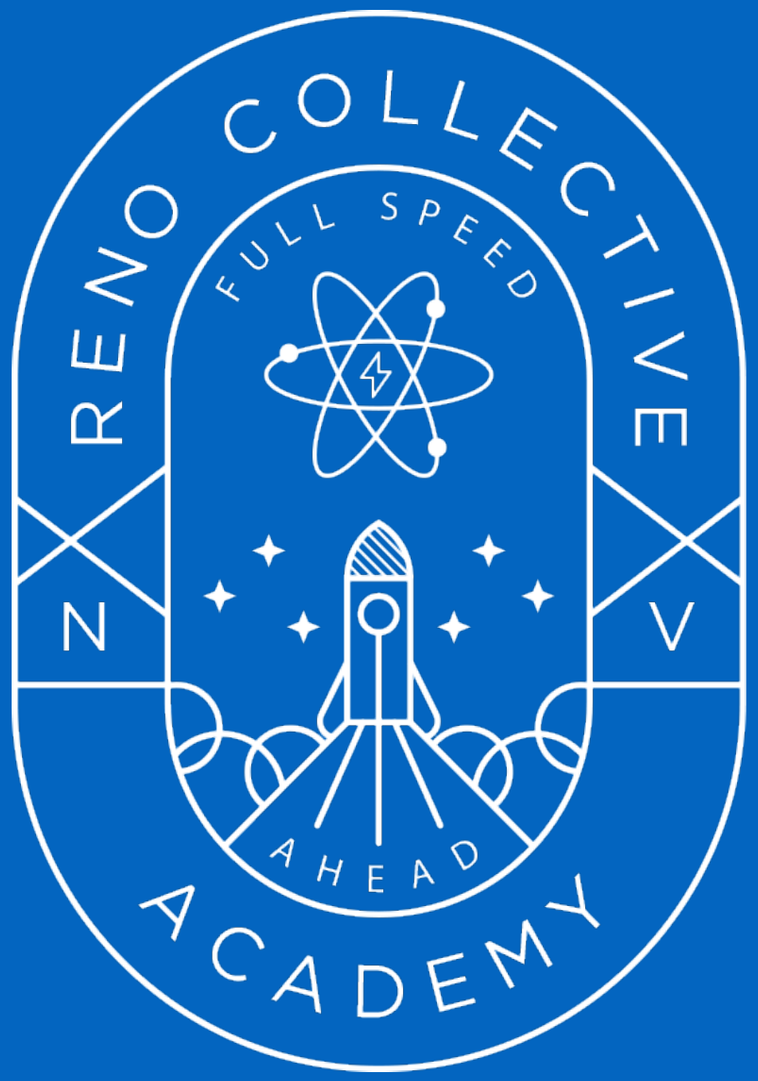
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Using Javascript with HTML

Including JS files

```
<html>
 <head>
   <script src="ourcode.js" charset="utf-8"></script>
 </head>
 <body>
 </body>
</html>
```

Vanilla JS To Do List Walkthrough

Introducing jQuery

Including jQuery

```
<html>
 <head>
   <script src="jquery.js" charset="utf-8"></script>
   <script src="ourcode.js" charset="utf-8"></script>
 </head>
 <body>
 </body>
</html>
```

Including jQuery

```
$(document).ready(function() {
    // your javascript code

});
```

jQuery Selectors

```
$('html')
```

jQuery Selectors

```
$('#header')
```

jQuery Selectors

```
$('.tasks')
```

Some useful methods

```
.clone()
.text()
.attr()
.addClass()
.append()
.val()
.parent()
.remove()
```

.clone()

```
<ul id = "todos">
  <li class = "greeting">Hello</li>
</ul>


$('.greeting').clone();

var greeting = $('.greeting').clone();
```

.text()

```
<ul id = "todos">
  <li class = "greeting">Hello</li>
</ul>


$('.greeting').text();

$('.greeting').text('Goodbye');
```

.attr()

```
<input type = "checkbox" id = "completed" >
```

```
$('#completed').attr('checked', 'checked');
```

.addClass()

```
<p>Pick up eggs</p>
```

```
.completed {
  text-decoration: line-through;
}
```

```
$('p').addClass('completed');
```

.toggleClass()

```
<p>Pick up eggs</p>
```

```
.completed {
  text-decoration: line-through;
}
```

```
$('p').toggleClass('completed');
```

.append()

```
<ul id = "groceryList">
</ul>
```

```
$('#groceryList').append('<li>Egg</li>');
```

.val()

```
<input type = "text" id = "name">
```

```
$('#name').val();

$('#name').val('Colin');
```

Adding in what we've learned about Javascript

- Variable
- Loops
- Conditional If/Else
- Arrays & Objects
- Functions

.append() in a function

```
function addToGroceryList(itemName) {
  $('#groceryList').append('<li>' +  itemName +
  '</li>');
}

addToGroceryList('eggs');

addToGroceryList('milk');

addToGroceryList('chicken');
```

Event Handlers

```
<input type = "text" id = "name">
```

```
$('#name').on('change', function(event) {

  console.log('The name field changed!');

});
```

```
<input type = "text" id = "score">

$('#score').on('change', function(event) {
  var score = $('#score').val();
  if(score > 100) {
   alert('The score is greater than 100');
  } else {
   alert('The score is less than 100');
  }
});
```

```
<button>Click me</button>
```

```
$('button').on('click', function(event) {
  alert('The button was clicked');

});
```

Context

```
<p>
 <button class = "delete">Click me</
 button>
</p>

$('.delete').on('click', function(event) {
     $(this).remove();    // deletes the <button>
});
```

Chaining

```
<p>
 <button class = "delete">Click me</
 button>
</p>
```

```
$('.delete').on('click', function(event) {
     $(this).parent().remove();    // deletes the <p>
});
```

jQuery Exercise

http://rcacademy.github.io/jquery-exercise

Building our first app

To Do List