

# Forms + JQuery

---



**Let's review HTML forms!**



# <form>, <input>, <textarea>, <select>, <button>

- These tags are meant for user input
- Become familiar with these! Most websites require user input, and each tag has its own quirks

```
<form>  
  <input type="text" placeholder="email" />  
  <input type="radio" />  
  <input type="checkbox" />  
  <input type="password" />  
  
  <select>  
    <option value="volvo">Volvo</option>  
    <option value="saab">Saab</option>  
    <option value="audi">Audi</option>  
  </select>  
  
  <textarea rows="4" cols="50"></textarea>  
  
  <button type="submit">Done</button>  
</form>
```



**With plain JS, you can use  
onsubmit="yourFunction()" to handle the  
form submission**



# onsubmit

- Forms can trigger Javascript using the onsubmit attribute
- In the submit function, you could use `document.getElementById()` to read from the input tag

```
<script>  
myFunction() {  
    console.log('form submitted!')  
}  
</script>
```

```
<form onsubmit="myFunction()">  
    Enter name:  
    <input type="text">  
</form>
```



# action

- Triggers a URL change when submitted
- <mailto:email@email.com> will open an email editor with the contents of the form

```
<form action="mailto:me@me.com">  
  Enter name:  
  <input type="text">  
</form>
```



**JQuery makes it easier!**



# .submit()

- JQuery can listen to form submissions with .submit()
- Alternitavely, you can do .on('submit', callback);

```
<script>  
$('#myForm').submit( function() {  
    console.log('form submitted!')  
});  
</script>
```

```
<form id="myForm">  
    Enter name:  
    <input id="nameInput">  
</form>
```





# .val()

- Returns the current inputted value
- Can be called on: input, select, textarea

```
<script>
$('#myForm').submit( function() {
    $('#nameInput').val();
});
</script>
```

```
<form id="myForm">
  Enter name:
  <input id="nameInput">
</form>
```



# :checked

- Used to find the button that is currently checked
- Works for radio buttons and check boxes

```
<script>
$( '#myForm').submit( function() {
    $('input:checked').val(); // either volov, saab, or
    bmw
});
</script>
```

```
<form id="myForm">
  Enter brand:
  <input name="brand" type="radio" value="volvo">
  <input name="brand" type="radio" value="saab">
  <input name="brand" type="radio" value="bmw">
</form>
```



# .is(':checked')

- Will tell you if a given checkbox is checked

```
<script>
$( '#myForm' ).submit( function() {
    $( '#hi' ).is(':checked'); // either true or false
});
</script>
```

```
<form id="myForm">
  Enter brand:
  <input id="hi" name="brand" type="radio"
value="volvo">
  <input name="brand" type="radio" value="saab">
  <input name="brand" type="radio" value="bmw">
</form>
```



# .input() and .change()

- JQuery can listen to input tags' changing
- .input() triggers as you type into the field
- .change() triggers when they're done entering new text

```
<script>
$('#nameInput').input( function() {
    console.log('changed')
});

$('#nameInput').change( function() {
    console.log('changed and exited')
});
</script>
```

```
<form id="myForm">
  Enter name:
  <input id="nameInput">
</form>
```

