

JQuery

Part 2

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Agenda

1. DOM Manipulation
2. AJAX

1. DOM Manipulation

- Add and Remove Elements
- Change Attributes
- Update the content of elements
- Edit the CSS of an element

1. DOM Manipulation

- Add and Remove Elements
 - **ELEM.append('<div></div>')**
 - **ELEM.remove()**
- Change Attributes
 - **ELEM.attr('id', 'newId')**
 - **ELEM.removeAttr('style')**
- Update the content of elements
 - **ELEM.html()**
 - **ELEM.text()**
- Edit the CSS of an element
 - **ELEM.css('font-size', '12px');**

1. DOM Manipulation

- Add DOM Elements relative to selected elements
 - **ELEM.after('<div>hi</div>')**
 - **ELEM.before('<div>hi</div>')**
 - **ELEM.append('<div>hi</div>')**

1. DOM Manipulation

- Add DOM Elements relative to selected elements
 - **ELEM.after('<div>hi</div>')**
 - **ELEM.before('<div>hi</div>')**
 - **ELEM.append('<div>hi</div>')**
- =**
- **\$('<div>hi</div>').insertAfter(ELEM)**
 - **\$('<div>hi</div>').insertBefore(ELEM)**
 - **\$('<div>hi</div>').appendTo(ELEM)**

1. DOM Manipulation

- Question:

What is the difference between
after() and **append()**?

1. DOM Manipulation

- Question:

What is the difference between

ELEM.after(x) and **ELEM.append(x)**?

append(): always puts an element x inside of
ELEM at latest place.

after(): puts an element x next to ELEM.

1. DOM Manipulation

- `ELEM.remove()`
 - Removes the element from the DOM
- `ELEM.detach()`
 - Removes the element from the DOM and keeps all data associated with it, i.e. CSS changes
- `ELEM.empty()`
 - Deletes the inner HTML of the element

2. AJAX

```
$.ajax({  
    url: 'data.json',  
    type: 'GET',  
    dataType: 'json',  
    success: function(response) { ... },  
    complete: function(xhr, status) { ... },  
    error: function(xhr, status) { ... }  
});
```

2. AJAX

- Shorter forms of \$.ajax
 1. \$.get(url, function(response) { ... });
 2. \$.getScript(url, function() {
});
 3. \$.getJSON(url, function(response) {
});

3. AJAX

- What is the difference between a GET and a POST request?

3. AJAX

- What is the difference between a GET and a POST request?
- GET is used for **reading** from web-resource.
- POST is used for **creating** a new web-resource.

3. AJAX

Task: We want to save the contact requests from your personal website.

1. Create an AJAX **POST** request to 35.156.88.18:3050/contacts

With the data:

```
{ studentaccount: 'youraccount',  
  name: 'thenameofyour contact',  
  email: 'theemailofyourguest',  
  text: 'thecontactmessageofyourguest' }
```

2. Test if your contact request has been saved by going to 35.156.88.18:3050/contacts in your browser (GET-request)