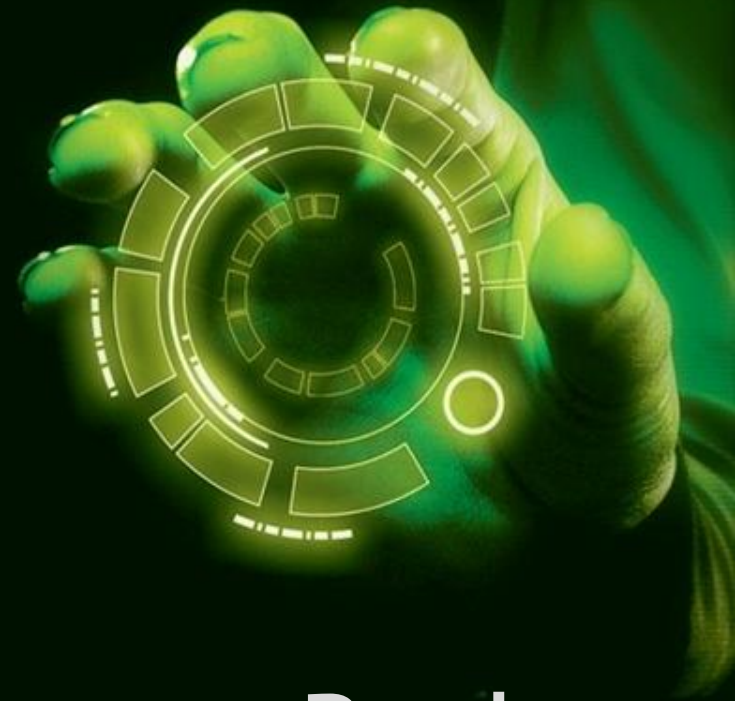


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Advanced jQuery: Putting the Asynchronous Back in AJAX

Session Code: NN05

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<http://dnnGallery.net>

<http://r2idnn.com>

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Why are we here?

- To write better software!
- User Experience
- Performance
- And of course...Fun

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Topics

- Ajax
- jQuery
- Patterns
- Samples in DNN

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“AJAX”

- Does Web 2.0 even mean anything anymore? (Did it ever?)
- Is it over the top animations?
- Or is it a compelling user experience?
- Taste still counts.

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AJAX

- Asynchronous server communication
- ASP.NET Sans-Postbacks
- More control / more work?
- “Closer to the metal”

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jQuery

- JS Library
- One way of doing things...
- Ease of use
- Adoption / Community
- Documentation

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jQuery AJAX

- `jQuery.get()` //http get
- `jQuery.load()` //load page
- `jQuery.post()` //http post
- `jQuery.ajax()` //ajax swiss army knife

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jQuery AJAX Events

- Global events for re-use
 - ajaxStart()
 - ajaxError()
 - ajaxComplete()
 - ajaxStop()

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Working with Data

- Building it all up on the client side.
- `jQuery.data()`

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DNN Context

- How can we...?
- Avoid bee stings in JavaScript
- But still provide context to the client

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Collecting Simple Data

- AddUserName(string user)
- `var username = $('#username').text();`

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Collecting Complex Data

```
var budgetItems = new Array();
$('#income-list li').each(function (intIndex) {
    var $item = $(this);
    var incomeItem = {
        categoryId: $item.data('categoryId'),
        Amount: $item.data('amount')
    }
    budgetItems.push(incomeItem);
});
```

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Services

- ASMX
- WCF
- ASHX
- ASPX
- Pages Methods
- It's just http...

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Service Proxy

- Rick Strahl's ServiceProxy.js
- “JSON ServiceProxy to call WCF or ASMX JSON Services with Date Parsing”
- <http://codepaste.net/i89xhc>

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Patterns

- Autocomplete
- Form Submission
- Drag and Drop
- Auto-refresh

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Autocomplete

- Start typing
- Popular == proven?

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Form Submission

- Progress indicator
- No jumpiness
- Move page focus smoothly

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Demo

- <http://dnnGallery.net>
- Showcase Submission
 - Autocomplete
 - Form submission

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More to Think About

- Structuring JavaScript
- JavaScript Combination/Minification
- Creating jQuery plugins
- Automated JavaScript Testing

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Demo Project

- I created a demo project after the session in response to evaluations requesting more code! Hope it helps 😊
- Find it at <http://github.com/irobinson>

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Evaluation form

Vul je evaluatieformulier in en maak kans op een van de prachtige prijzen!!

Fill out your evaluation form and win one of the great prizes!!

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