



Multimedia im Netz – Wintersemester 2011/12

Übung 06



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Organisatorisches



Lösung zu Blatt 05

U-Bahn-Station suchen (jQuery)

Geben Sie eine U-Bahn-Station ein:

Station:

- [Marienplatz](#) **U3** **U6**
- [Michaelibad](#) **U5**
- [Moosfeld](#) **U2**

JQuery einbinden

- Pfad zum Source-Code angeben

```
<script  
  type="text/javascript"  
  src="jquery-1.7.js">  
</script>
```

Suchfeld in HTML

```
<input  
    type="text" class="userinput"  
    name="station"  
    onKeyUp="check(this.value);"  
>
```

jQuery: AJAX-Request

```
$.ajax( {  
    type: "POST",  
    url: "check.php",  
    data: "userinput=" + userinput,  
    success: function(data) { ... }  
} );
```

Nach erfolgreichem AJAX-Request:

```
function(data) {  
  
    //Anzeige der Server-Rückgabe  
    $( "ul.suggestions" ).html(data);  
  
    //EventListener: Klick auf Listeneintrag  
    $( "li.entry" ).click(function(event) {  
        complete($(this));  
        event.preventDefault();  
    });  
  
}
```


Eventlistener für Stationen

```
//Funktion für Klick-Listener
function complete(clickElement) {

    //Text des Listeneintrags in Eingabefeld kopieren
    $("input.userinput").attr("value",clickElement.text());

    //Ausgabefeld wird versteckt
    $("ul.suggestions").hide();

}
```



Mashups

Mashups

- Zusammenstellung multimedialer Inhalte zu einem bestimmten Thema
- Bereitstellung der Inhalte durch Webanwendungen über Web-APIs
- Parsen der zurückgelieferten XML-Dateien
- Angepasste Anzeige der Informationen durch HTML

Beispiele Mögliche Webanwendungen

The Flickr logo is displayed in a white rectangular box. The word "flickr" is written in a bold, sans-serif font. The letters "f", "l", "i", "c", "k", and "r" are blue, while the letter "r" is pink. A small "TM" trademark symbol is located to the upper right of the pink "r".

flickr™

The Last.fm logo is displayed in a red square with rounded corners. The text "last.fm" is written in a white, lowercase, sans-serif font.

last.fm

The Twitter logo is displayed in a white rectangular box. The word "twitter" is written in a light blue, rounded, lowercase font with a white outline.

twitter

The YouTube logo is displayed in a white rectangular box. The word "You" is in a black, bold, sans-serif font. The word "Tube" is in a white, bold, sans-serif font inside a red rounded rectangle with a slight shadow effect.

You Tube

Schritt 1: Suchanfrage über Web-API

- Beispiel: twitter.com

`http://search.twitter.com/search.atom?q=Christmas`

```
<entry>
  <id>tag:search.twitter.com,2005:143630612689981441</id>
  <published>2011-12-05T09:59:41Z</published>
  <link type="text/html" href="http://twitter.com/_Marty_L_/statuses/143630612689981441" rel="alternate" />
  <title>RT @nickjonas: Can't wait for you guys to see the "Last Christmas Standing" episode of @LastManABC this Tu
  </title>
  <content type="html">RT @<a class=" " href="http://twitter.com/nickjonas">nickjonas</a>: Can't wait for you guys
  </em> Standing" episode of @<a class=" " href="http://twitter.com/LastManABC">LastManABC</a> this Tuesday 8 pm ET
  "http://twitter.com/abc">abc</a>!</content>
  <updated>2011-12-05T09:59:41Z</updated>
  <link type="image/png" href="http://a3.twimg.com/profile_images/964704828/martolla_normal.jpg" rel="image" />
  <twitter:geo />
  <twitter:metadata>
    <twitter:result_type>recent</twitter:result_type>
  </twitter:metadata>
  <twitter:source><a href="http://twitter.com/">web</a></twitter:source>
  <twitter:lang>en</twitter:lang>
  <author>
    <name>_Marty_L_ (Martina )</name>
    <uri>http://twitter.com/_Marty_L_</uri>
  </author>
</entry>
```

Schritt 2: XML-Parsing

- **XML:** Extensible Markup Language
- Relevant: Elemente, Attribute, Namespaces
- **Parser:** liest XML-Datei und stellt Inhalt zur Verfügung, sodass auf Elemente & Attribute zugegriffen werden kann
- **SimpleXML** in PHP (keine Installation nötig)
- <http://de.php.net/manual/en/book.simplexml.php>

SimpleXML: Element auslesen

```
<?php  
    $file = „twitter.xml“;  
    $xml = simplexml_load_file($file);  
    echo "Titel: " . $xml->entry->title;  
?>
```

SimpleXML: Attribut auslesen

```
<?php  
    $file = „twitter.xml“;  
    $xml = simplexml_load_file($file);  
    echo "Link: " . $xml->entry->link[ 'href' ];  
?>
```


SimpleXML: Namespaces

```
<?php
    $file = "beispiel.xml";
    $xml = simplexml_load_file($file);
    $twitter_ns =
$xml->entry->children("http://api.twitter.com/");
    echo "Sprache: " . $twitter_ns->lang;
?>
```

Schritt 3: Mashup erstellen (HTML)

Your input: christmas

Picture from flickr



Video from youtube



Tweets from Twitter



Hope you all had a good weekend preparing for *Christmas*! Our corporate black and silver xmas tree is up in our... <http://t.co/qaNPiCvI>



Harry Shearer/Derek Smalls/Waylon Smithers etc doing *Christmas*! <http://t.co/KSNarf54>



Merry *christmas* (: <http://t.co/qZrxogOa>

Hilfreiche Links

The YouTube logo, featuring the word "You" in black and "Tube" in white on a red rounded rectangle.

- http://code.google.com/intl/de/apis/youtube/2.0/developers_guide_protocol_understanding_video_feeds.html
- <http://gdata.youtube.com/feeds/api/videos?q=Christmas&max-results=1&format=5&v=2>

The Twitter logo, featuring the word "twitter" in a light blue, lowercase, sans-serif font.

- <https://dev.twitter.com/console>
- <http://search.twitter.com/search.atom?q=Christmas>

The Flickr logo, featuring the word "flickr" in a blue, lowercase, sans-serif font with a red "r".

- <http://www.flickr.com/services/api/misc.urls.html>
- http://api.flickr.com/services/rest/?method=flickr.photos.search&api_key=e8eff3930cc6b80439c47165baad2e3d&text=christmas



Danke 😊 Fragen?

