

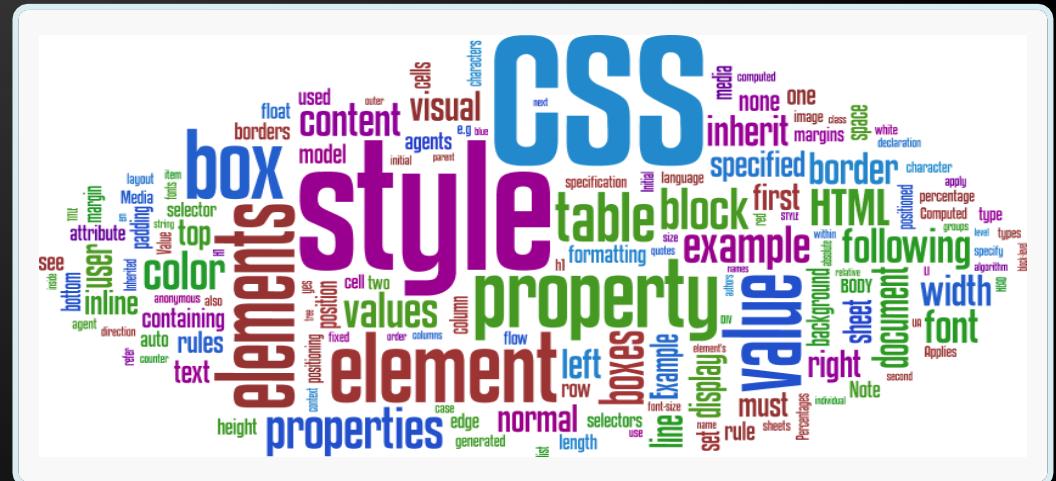
<http://html5course.telerik.com>

# CSS Presentation

# How to make things shiny?

css

Telerik Software Academy  
<http://academy.telerik.com>



- ◆ Text-related Properties
- ◆ Borders
- ◆ Backgrounds
  - ◆ Background color
  - ◆ Background image
  - ◆ Gradient Background
- ◆ Opacity



# Text-related Properties

Text Shadow

# Text-related CSS Properties

- ◆ **color** – specifies the color of the text
- ◆ **font-size** – size of font: **xx-small, x-small, small, medium, large, x-large, xx-large, smaller, larger or numeric value**
- ◆ **font-family** – comma separated font names
  - Example: **verdana, sans-serif, etc.**
  - The browser loads the first one that is available
  - There should always be at least one generic font
- ◆ **font-weight** can be **normal, bold, bolder, lighter** or a number in range [100 ... 900]

# CSS Rules for Fonts (2)

- ◆ **font-style** – styles the font
  - Values: **normal, italic, oblique**
- ◆ **text-decoration** – decorates the text
  - Values: **none, underline, line-through, overline, blink**
- ◆ **text-align** – defines the alignment of text or other content
  - Values: **left, right, center, justify**

# Shorthand Font Property

- ◆ font
  - ◆ Shorthand rule for setting multiple font properties at the same time

```
font:italic normal bold 12px/16px verdana
```

is equal to writing this:

```
font-style: italic;  
font-variant: normal;  
font-weight: bold;  
font-size: 12px;  
line-height: 16px;  
font-family: verdana;
```



AMERICANA	Ambiente
AUSTERE	Amaze
AVANT GARDE	Becka
<b>BOOKMAN</b>	Bible Script
COCHIN	Brush Script
<b>COLLEGE</b>	Candoo
<b>COOPER</b>	Caflish
DOROVAR	Churchward
FRIZ QUAD	Dianna
Garamond	Flamenco
<b>KABEL</b>	Indy Script
Fractur	Nelson
Palatino	Palette
RALEIGH	Scrawlin
<b>ROOST</b>	Sentimental
Tiffany	Zepher Script
TIMES	



# Text-related Properties

Live Demo



# More Fonts



- ◆ Use @font-face to declare font
- ◆ Point to font file on server
- ◆ Call font with font-family
- ◆ Currently not supported in IE
- ◆ Use font embedding instead of images



```
@font-face {  
    font-family: SketchRockwell;  
    src: url('SketchRockwell-Bold.ttf');  
}  
.my_CSS3_class {  
    font-family: SketchRockwell;  
    font-size: 3.2em;  
}
```

- ◆ Applies shadow to text
- ◆ Syntax: `text-shadow: <horizontal-distance> <vertical-distance> <blur-radius> <shadow-color>;`
- ◆ Do not alter the size of a box

Some shadowed text



```
text-shadow: 2px 2px 7px #000000;
```



Some shadowed text

- ◆ Specifies what should happen when text overflows the containing element
- ◆ Syntax: `text-overflow: <value>;`
- ◆ Possible values:
  - ◆ **ellipsis** - Display ellipses to represent clipped text  

This is some long text that...
  - ◆ **clip** - Default value, clips text  

This is some long text that wi]
  - ◆ Currently not supported in Firefox and IE

- ◆ Allows long words to be able to be broken and wrap onto the next line
- ◆ Syntax: **word-wrap: <value>;**
- ◆ Possible values:
  - ◆ **normal**

This paragraph has long words  
thisisaveryverylongwordthatisn'treallyone word  
and again a  
longwordwithnospacesinit
  - ◆ **break-word**

This paragraph has long words  
thisisaveryverylongwordthatisn'tre  
allyoneword and again a  
longwordwithnospacesinit
- ◆ Supported in all major browsers

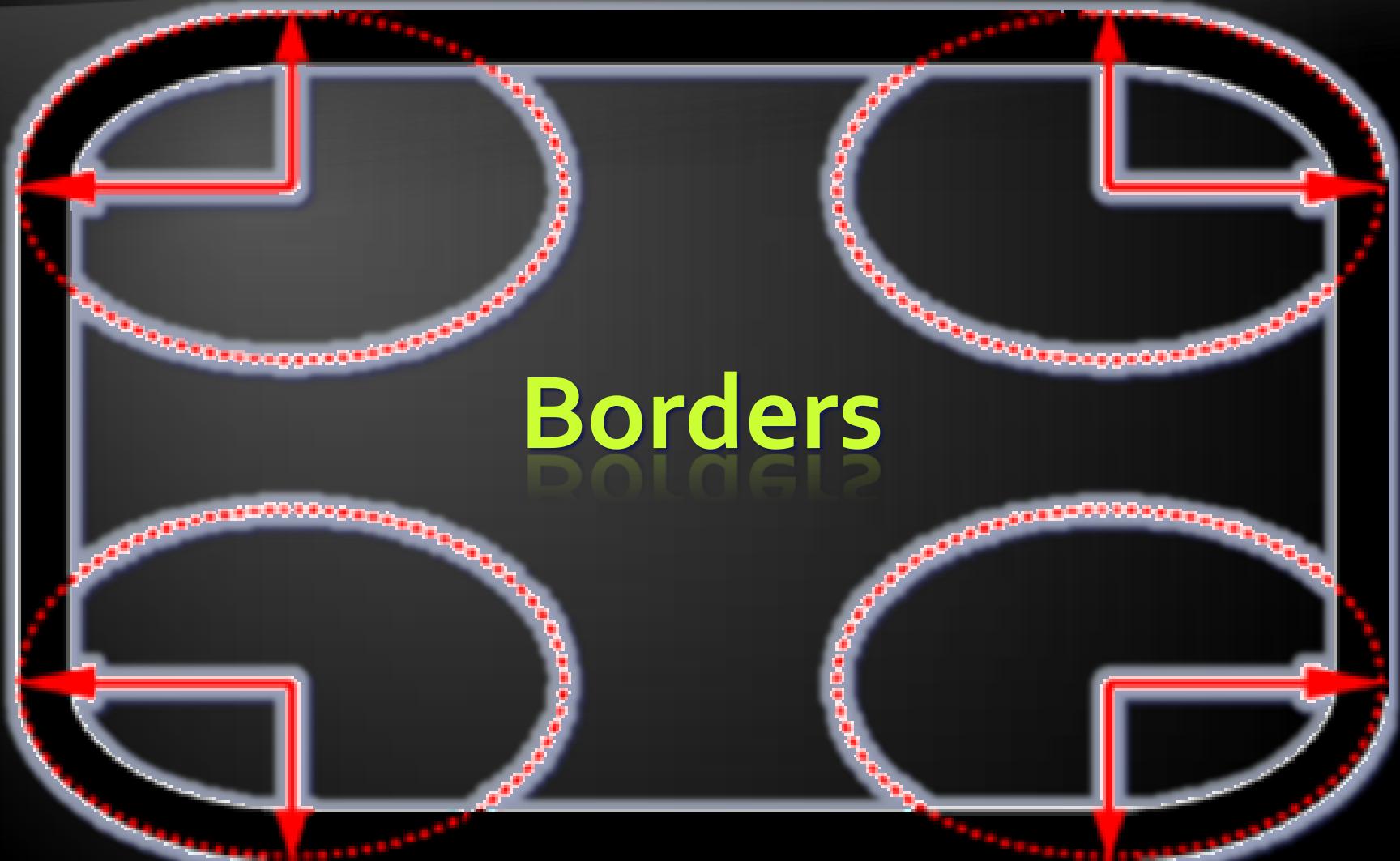
EDDY'S BONES PLANK Cracked  
CREEPY Blur CHOCOLATE  
COFFEE SACK Flower Power  
Lathedral GAUSS RUBBER STAMP  
celtic SPIKE Beau Amaze  
Borghs Cracked Southwestern  
ELIZABETH Wright Bart BIG NIB  
FANZEE Oak Ridge NEW YORK

FANZEE oak ridge NEW YORK  
ELIZABETH Wright Bart BIG NIB

## More Fonts

Live Demo

# Borders



- ◆ **border-width:** thin, medium, thick or numerical value (e.g. 10px)
- ◆ **border-color:** color alias or RGB value
- ◆ **border-style:** none, hidden, dotted, dashed, solid, double, groove, ridge, inset, outset
- ◆ Each property can be defined separately for left, top, bottom and right
  - ◆ **border-top-style, border-left-color, ...**

# Border Shorthand Property

- ◆ border: shorthand rule for setting border properties at once:

```
border: 1px solid red
```

is equal to writing:

```
border-width:1px;  
border-color:red;  
border-style:solid;
```

- ◆ Specify different borders for the sides via shorthand rules: **border-top**, **border-left**, **border-right**, **border-bottom**
  - ◆ **border:none** or **border:0**?

# Borders

Live Demo



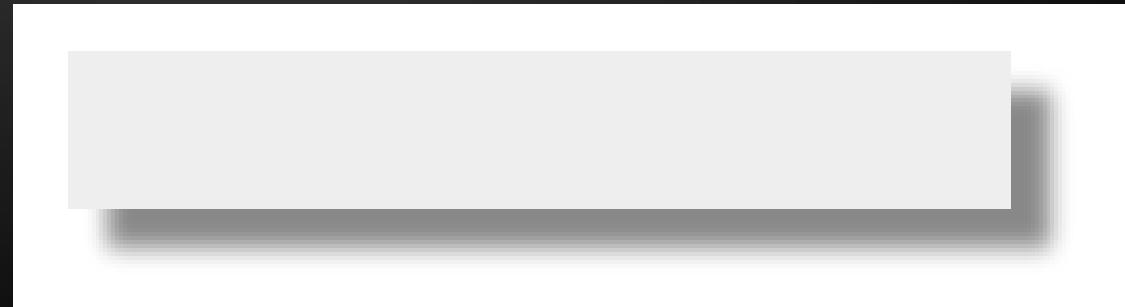
- ◆ Allows you to create cool colored borders
- ◆ Only Firefox supports this type of coloring

```
border: 8px solid #000;  
-moz-border-bottom-colors: #555 #666 #777 #888  
#999 #aaa #bbb #ccc;  
-moz-border-top-colors: #555 #666 #777 #888 #999  
#aaa #bbb #ccc;  
-moz-border-left-colors: #555 #666 #777 #888 #999  
#aaa #bbb #ccc;  
-moz-border-right-colors: #555 #666 #777 #888  
#999 #aaa #bbb #ccc;
```



- ◆ Allows to easily implement multiple drop shadows (outer or inner) on box elements
- ◆ Specifying values for color, size, blur and offset
- ◆ Example:

```
-moz-box-shadow: 10px 10px 5px #888;  
-webkit-box-shadow: 10px 10px 5px #888;  
box-shadow: 10px 10px 5px #888;
```



- ◆ Rounded corners are a part of CSS 3
  - ◆ Supported in all major browsers
  - ◆ Firefox, IE 9, Chrome, Opera and Safari
- ◆ Done by the border-radius property

```
border-radius: [<Length>|<%>][<Length>|<%>]?
```

- ◆ Three ways to define corner radius:

```
border-radius: 15px;
```

```
border-radius: 15px 15px 15px 10px;
```

```
border-radius: 15px 20px;
```

# Other Border Styles

Live Demo

# Background Properties

- ◆ **background-image**

- ◆ URL of image to be used as background, e.g.:

```
background-image:url("back.gif");
```

- ◆ **background-color**

- ◆ Using color and image and the same time

- ◆ **background-repeat**

- ◆ repeat-x, repeat-y, repeat, no-repeat

- ◆ **background-attachment**

- ◆ fixed / scroll

# Backgrounds (2)

- ◆ **background-position:** specifies vertical and horizontal position of the background image
  - Vertical position: **top, center, bottom**
  - Horizontal position: **left, center, right**
  - Both can be specified in percentage or other numerical values
  - Examples:

```
background-position: top left;
```

```
background-position: -5px 50%;
```

# Background Shorthand Property

- ◆ **background:** shorthand rule for setting background properties at the same time:

```
background: #FFF0C0 url("back.gif") no-repeat  
fixed top;
```

is equal to writing:

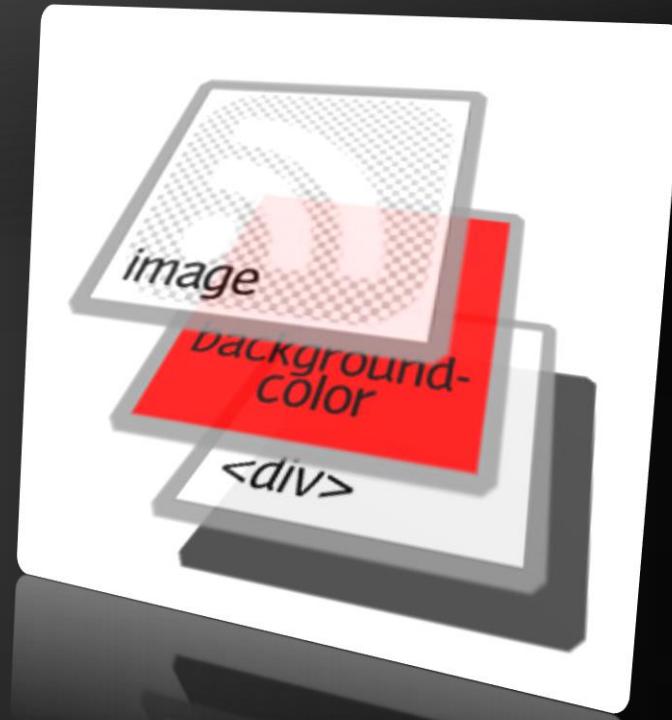
```
background-color: #FFF0C0;  
background-image: url("back.gif");  
background-repeat: no-repeat;  
background-attachment: fixed;  
background-position: top;
```

- ◆ Some browsers will not apply BOTH color and image for background if using shorthand rule

# Background-image or <img>?

- ◆ Background images allow you to save many image tags from the HTML
  - ◆ Leads to less code
  - ◆ More content-oriented approach
- ◆ All images that are not part of the page content (and are used only for "beautification") should be moved to the CSS

```
* {  
    margin : 0;  
    padding: 0;  
  
}  
  
body, html {  
    min-height : 101%;  
  
}  
  
body {  
    background: #333;  
    color: #333;  
    padding: 13px 0 25px 0  
  
}  
}
```

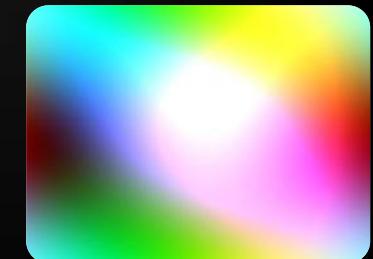


# Background Styles

Live Demo

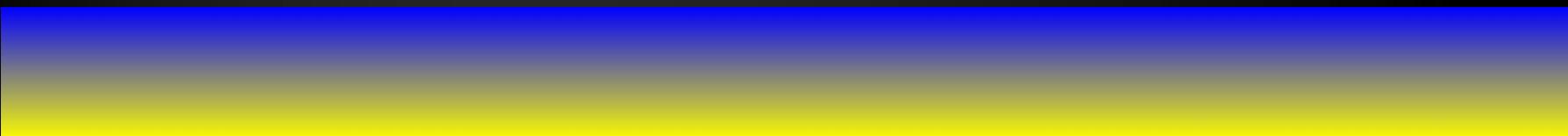
# Gradient Backgrounds

- ◆ Gradients are smooth transitions between two or more specified colors
- ◆ Use of CSS gradients can replace images and reduce download time
  - ◆ Lots of gradient generators on the WEB
- ◆ Create a more flexible layout, and look better while zooming
- ◆ Supported in all major browsers via different keywords
- ◆ This is still an experimental feature



# Gradient Backgrounds Example

```
/* Firefox 3.6+ */
background: -moz-linear-gradient(100% 100% 90deg,
#FFFF00, #0000FF);
/* Safari 4-5, Chrome 1-9 */
background: -webkit-gradient(linear, 0% 0%, 0%
100%, from(#0000FF), to(#FFFF00));
/* Safari 5.1+, Chrome 10+ */
background: -webkit-linear-gradient(#FFFF00,
#0000FF);
/* Opera 11.10+ */
background: -o-linear-gradient(#2F2727, #0000FF);
```



# Gradient Background

Live Demo

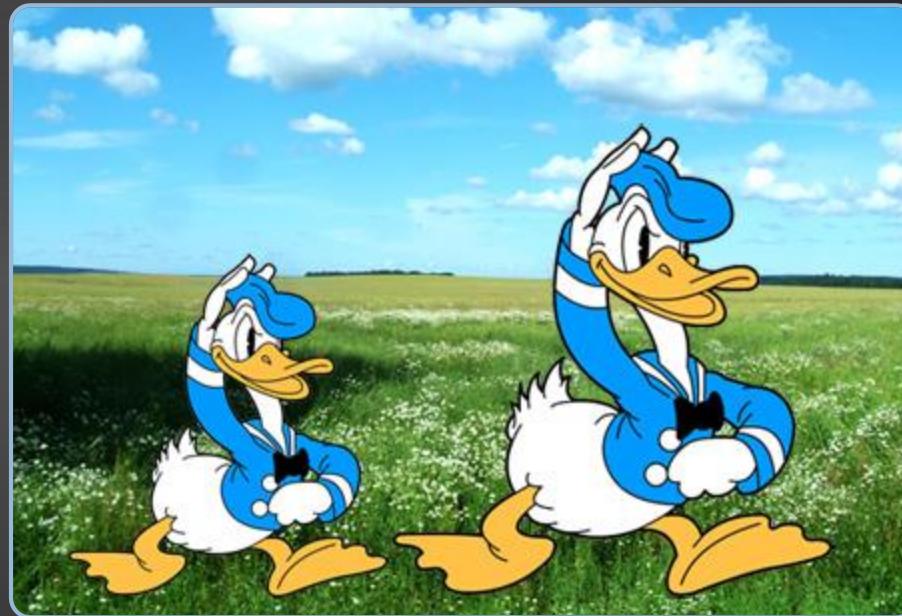


# Multiple Backgrounds

- ◆ CSS3 allows multiple background images
- ◆ Simple comma-separated list of images
- ◆ Supported in Firefox (3.6+), Chrome (1.0/1.3+), Opera (10.5+) and Internet Explorer (9.0+)
- ◆ Comma separated list for the other properties

```
background-image: url(sheep.png), url(grass.png);
```

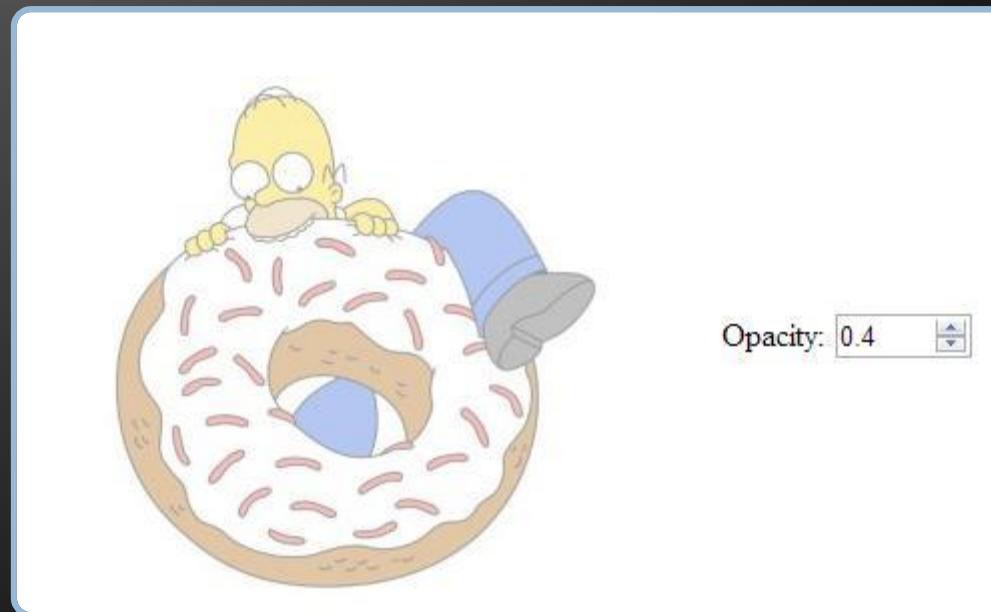




# Multiple Backgrounds

Live Demo

# Opacity



- ◆ **opacity**: specifies the opacity of the element
  - ◆ Floating point number from 0 to 1
  - ◆ For old Mozilla browsers use **-moz-opacity**
  - ◆ For IE use **filter:alpha(opacity=value)** where value is from 0 to 100; also, "binary and script behaviors" must be enabled and **hasLayout** must be triggered, e.g. with **zoom:1**

# Opacity

## Live Demo



# Questions?

# Free Trainings @ Telerik Academy

- ◆ "Web Design with HTML 5, CSS 3 and JavaScript" course @ Telerik Academy



- ◆ [html5course.telerik.com](http://html5course.telerik.com)

- ◆ Telerik Software Academy

- ◆ [academy.telerik.com](http://academy.telerik.com)

Telerik Academy

- ◆ Telerik Academy @ Facebook

- ◆ [facebook.com/TelerikAcademy](https://www.facebook.com/TelerikAcademy)



- ◆ Telerik Software Academy Forums

- ◆ [forums.academy.telerik.com](http://forums.academy.telerik.com)

