*7 – JS – Datos objektas ir įvykiai

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Turinys

▸ **Veiksmai su data**

▸ Kaip valdyti įvykius?

▸ onclick;

▸ onblur ir onfocus;

▸ setTimeout ir setInterval;

▸ **PRAKTIKA**

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Veiksmai su data / WORKING WITH DATES (1)

```
var today = new Date(); // current date and time
```

```
// year, month, day
var y2k = new Date(2000, 0, 1);
```

```
// year, month, day, hours, minutes, seconds
var y2k = new Date(2000,0,1,0,0,0);
```

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Veiksmai su data / WORKING WITH DATES (2)

```javascript
var today = new Date();
```

```javascript
today.getMonth();    // returns 0-11
```

```javascript
today.getFullYear(); // YYYY (not zero-based)
```

```javascript
today.getDate();   // 1-31 day of month
```

```javascript
today.getDay();     // 0-6 day of week. 0 == sunday
```

```javascript
today.getHours(); // 0-23
```

```javascript
today.getTime();  // milliseconds since 1/1/1970
```

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Pavyzdys (1)

▸ Nustatykite konkrečios datos savaitės dieną.

```
var myDate = new Date(1981, 5, 26);
console.log(" ... was born on: ",
            myDate.getDay() );
```

```
... was born on:  5
```

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```
var today = new Date();

today.setMonth(5);
today.setFullYear(2012);
today.setDay(0);
// etc.
```

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```
var date1 = new Date(2000,0,1);
var date2 = new Date(2000,0,1);

if ( date1 == date2 )  { ...
```

```
if ( date1.getTime() == date2.getTime() )  { ...
        949388400000      ==    949388400000
                    // true!
```

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Įvykiai / EVENTS

onload
onclick
onmouseover
onblur
onfocus

Daugiau įvykių...

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Kaip valdyti įvykius? / HANDLING EVENTS (1)

```html
<button onclick="alert('Hello, world');">
    Run Some JavaScript
</button>
```

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Kaip valdyti įvykius? / HANDLING EVENTS (2)

```html
<p id="text">Lorem ipsum dolor sit amet, consectetur
adipisicing elit. Asperiores sed inventore molestias
illum veniam velit voluptatum architecto ipsum sint
tenetur quos debitis quaerat similique, sit dolores
suscipit adipisci eum quibusdam!</p>
```

```javascript
var text = document.getElementById("text");
text.onclick = function(){
    alert("Hello!");
};
```

```javascript
document.getElementById("text").onclick = myF;

function myF(){
    alert("Hello!");
}
```

```javascript
document.getElementById("text").onclick = function(){alert("Hello!");};
```

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onblur ir onfocus   (1)


```
<p>
  <label for="name">Name:</label>
  <input type="text" name="name" id="name" tabindex="10" />
</p>
<p>
  <label for="email">Email:</label>
  <input type="text" value="your email" name="email" id="email" tabindex="20" />
</p>
<p>
  <label for="tourID">Tour Name: </label>
  <input type="text" name="tourID" id="tourID" tabindex="30" />
</p>
```

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onblur ir onfocus (2)

```javascript
var emailField = document.getElementById("email");

emailField.onfocus = function() {
    if ( emailField.value == "your email") {
        emailField.value = "";
    }
};

emailField.onblur = function() {
    if ( emailField.value == "") {
        emailField.value = "your email";
    }
};
```

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setTimeout ir setInterval

```javascript
function simpleMessage() {
    alert("This is just an alert box");
}

// settimeout is in milliseconds
setTimeout(simpleMessage,5000);
```

```javascript
setInterval(changeImage,5000);
```

Praktika (1)

▸ Uvedus pelytės žymeklį ant antraštės – konsolėje (arba *alert*) parodomas antraštės tekstas;

▸ Uvedus pelytės žymeklį ant pastraipos – pasikeičia pastraipos šrifto tipas, spalva ir pan.

Praktika (2)   Show Less More

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Praktika (3)   Image Slide Show

▸ Puslapyje nuotraukos keičiasi kas 5 sekundes, ciklas kartojasi.

```
var imageArray = ["_images/overlook.jpg","_images/winery_sign.jpg",
                  "_images/lunch.jpg", "_images/bigSur.jpg",
                  "_images/flag_photo.jpg","_images/mission_look.jpg"];
```

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