

Frontend

HTML



JS



CSS



Jerzy Grynczewski

Plan na dzisiaj

- ◆ Rozszerzenie HTML i CSS

Plan na dzisiaj

- ◊ Rozszerzenie HTML i CSS
- ◊ JavaScript

Frontend



Hypertext Markup Language

HTML



HTML 4

◇ <div class="header">

◇ <div class="nav">

◇ <div class="section">

◇ <div class="footer">

◇ ...

Nowe elementy w HTML 5

◊ `<header>`

◊ `<nav>`

◊ `<section>`

◊ `<footer>`

Nowe elementy w HTML 5

◊ `<audio>`

◊ `<video>`

◊ `<datalist>`

◊ ...

Cascading Style Sheets

CSS



CSS Selectors

a, b	Multiple Element Selector
a b	Descendant Selector
a > b	Child Selector
a + b	Adjacent Sibling Selector
[a=b]	Attribute Selector
a:b	Pseudoclass Selector
a::b	Pseudoelement Selector

Responsive design

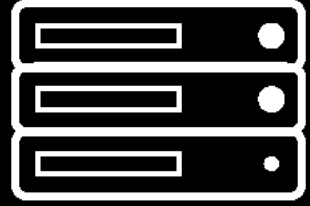
- ◊ Viewport
- ◊ Media Queries
- ◊ Flexbox
- ◊ Grids

JavaScript

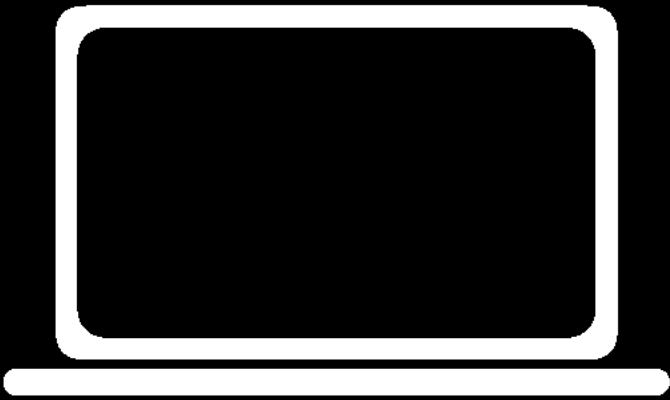
JS



Server



Client



JS wewnątrz strony internetowej

```
<script>  
    alert("Hello, world!");  
</script>
```

Events & callbacks

Events

- ◊ onclick
- ◊ onmouseover
- ◊ onkeydown
- ◊ onkeyup
- ◊ onload
- ◊ onfocus
- ◊ onblur
- ◊ ...

DOM – Document Object Model (obiektowy model dokumentu)

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>hello, title</title>
```

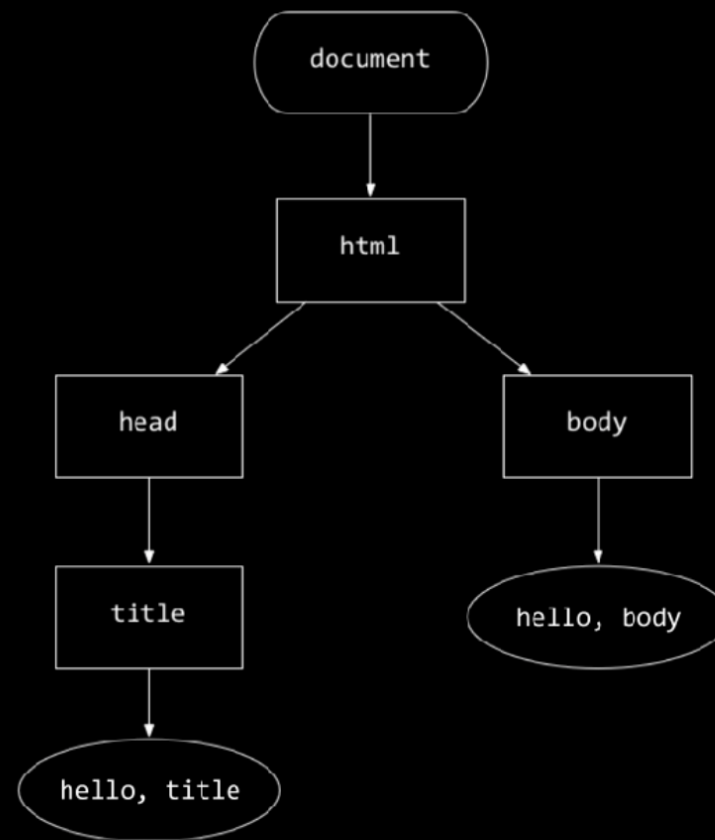
```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```



Zmienne

Deklarowanie zmiennych:

- `const x=5;`
- `let x=5;`
- `var x=5;`
- `x=5;`

Arrow function:

```
() => {  
    alert('Hello, world!');  
}
```


Arrow function:

```
x => {  
    alert(x);  
}
```

Arrow function:

```
x => x*2;
```