

Game Development...with CSS?!

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Welcome!

Tim G Thomas

DockYard, Inc.

@tingthomas.com



DockYard

At DockYard, we help our partners build digital products that delight their users and scale seamlessly. We believe that digital products can be made ethically and resilient enough to flourish in changing markets, and we incorporate that belief through our range of consulting services from product strategy to design and full-stack engineering.



PRAIRIE DEV CON

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Lotlinx

online
business systems



EXCELLENCE IN RECRUITMENT



Today

Wha—?! Why...?!

Foundations

Demo 1: Tic-tac-toe

Demo 2: Adventure game

Why would anyone do this?!

“The limit placed on the
limitless...does spark
the imagination.”

—Nick Hornby, writer and lyricist

Foundations

A world with Javascript

```
let hi = true  
hi = false
```

A world without Javascript

```
<input id="a" type="checkbox" />
```

A world without Javascript

```
<input id="a" type="checkbox" checked />
```

Meet the team

<input>

<label>

<style>

(Default HTML behavior)

```
<label for="foo"></label>  
<input id="foo" />
```

```
<label>  
  <input>  
</label>
```

Our secret sauce: CSS selectors

Adjacent Selector

```
<input>  
<p>On!</p>
```

```
p {  
  color: cornflowerblue;  
}
```

```
input + p {  
  color: deeppink;  
}
```



Sibling Selector

```
<input>  
<span>...</span>  
<p>On!</p>
```

```
p {  
  color: cornflowerblue;  
}
```

```
input ~ p {  
  color: deeppink;  
}
```



Direct descendant selector

```
<label>  
  <input>  
</label>
```

```
label > input {  
  background-color: deeppink;  
}
```



Pseudoelements

```
<label>Hello</label>
```

```
label::after {  
  content: ", world!";  
}
```



Hello, world!

Pseudo-classes

```
<input type="checkbox" />  
<p>Hello</p>
```

```
input:checked + p::after {  
  content: ", world!";  
}
```

☒ Hello, world!

:has() Selector

```
<label>  
  <p>Foo</p>  
  <input>  
</label>
```

```
label {  
  color: cornflowerblue;  
}
```

```
label:has(input:checked) {  
  color: deeppink;  
}
```

Hello, world!



Demo: Tic-tac-toe

Demo: Adventure game

Thanks!

bit.ly/prdc24-css

tim@tingthomas.com

[@tingthomas.com](#)

Don't forget your survey!

