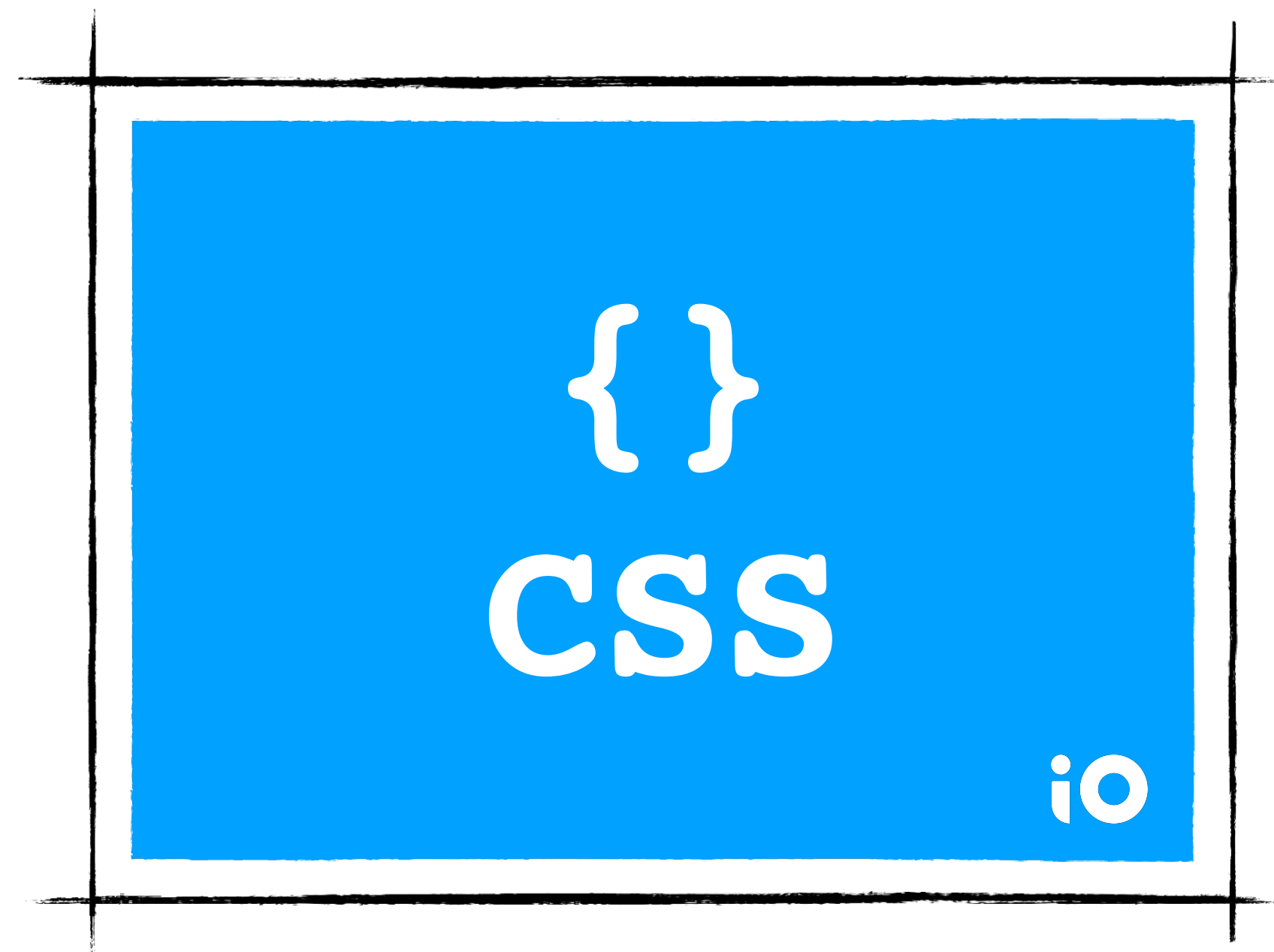


# ВЭБ ХӨГЖҮҮЛЭЛТ

Лекц - 3

Ч. Билэгсайхан

# ХИЧЭЭЛИЙН АГУУЛГА



CSS /Cascading StyleSheet/

Хэрэглээ, Selector

# CSS /Cascading Style Sheets/

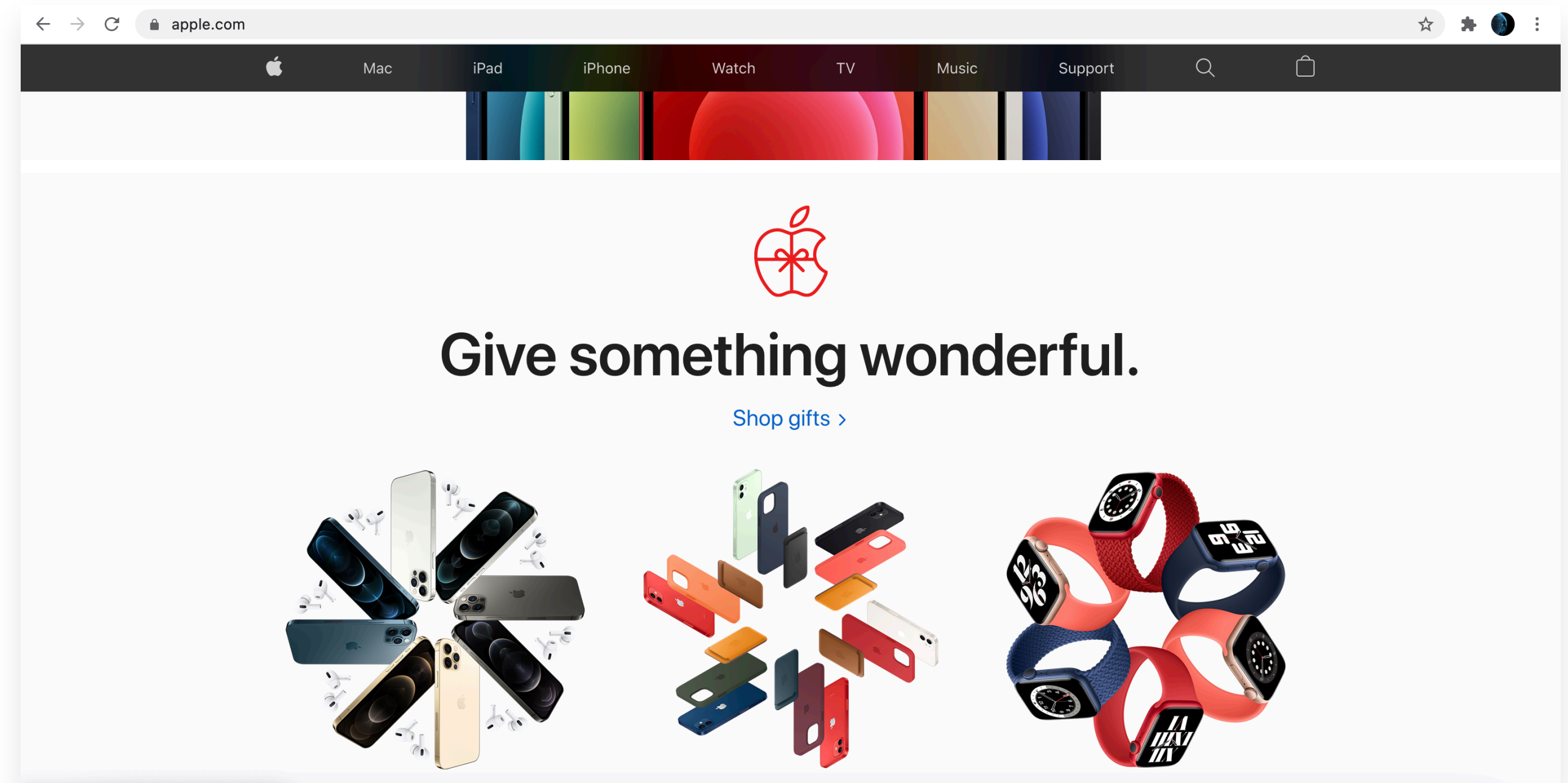
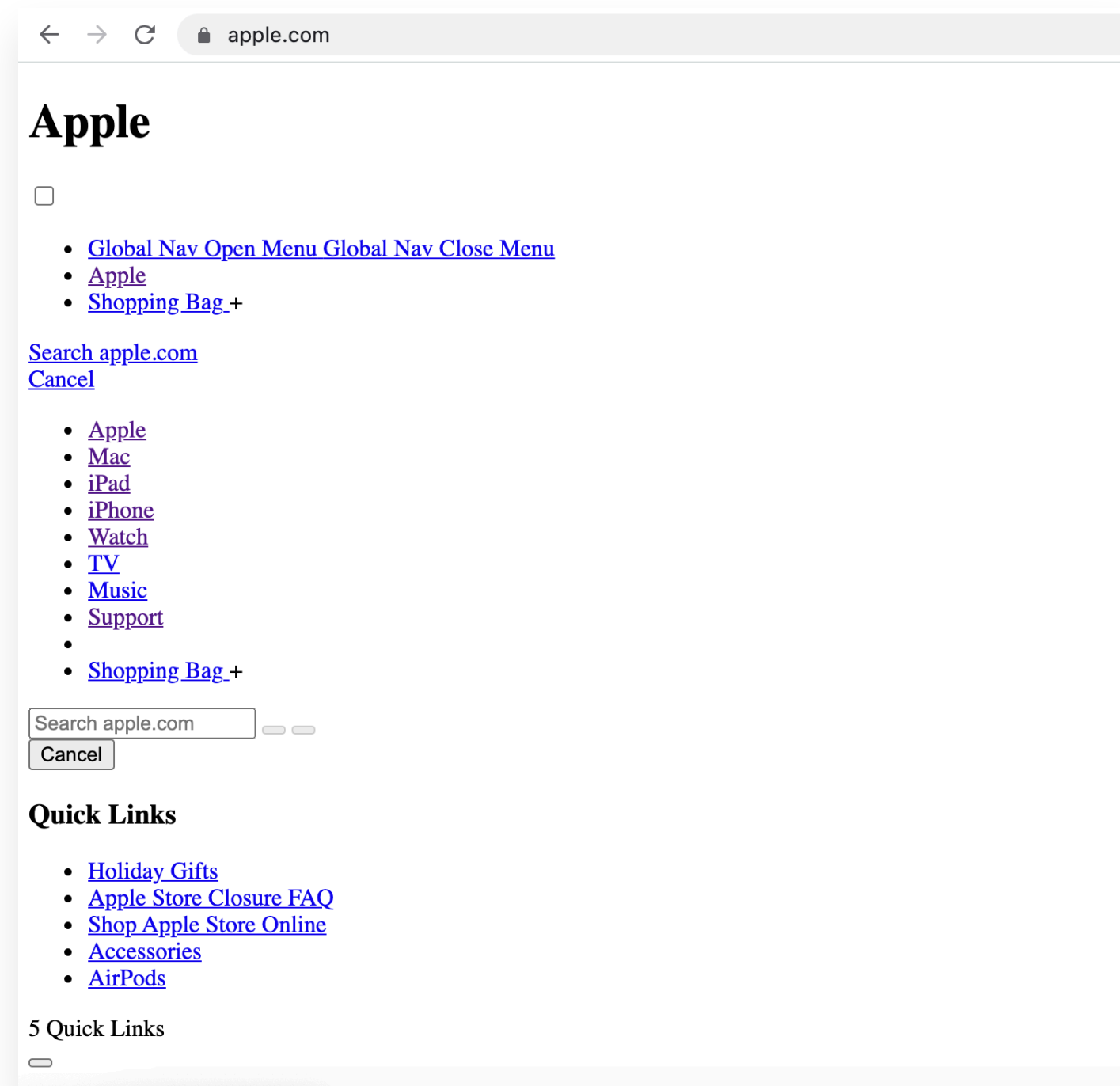
`<style>`

- CSS гэдэг нь Cascading Style Sheets гэдэг үгийн товчлол бөгөөд хэлбэр, дизайн гэж ойлгож болох юм.
- CSS нь HTML кодчлолын элемент тагуудийг хэрхэн үзүүлэх форматлахыг тодорхойлдог.

`</style>`

# CSS /Cascading Style Sheets/

- Өөрөөр хэлбэл таны вэбийн өнгө үзэмжийн, харагдах байдлыг тодорхойлдог гэсэн үг.
- CSS нь .css гэсэн өргөтгөлтэйгээр хадгалагддаг.



# CSS Бичиглэл /Syntax/

CSS-н бичиглэлийн дүрэм нь **Selector** /сонгогч, **Declaration** /тунхаг/ гэсэн хоёр хэсгээс бүрдэнэ.



# CSS Syntax Example

```
h1 { display: block; }  
h1 { font-size: 2em; }  
h1 { margin-top: 0.67em; }  
h1 { margin-bottom: 0.67em; }  
h1 { margin-left: 0; }  
h1 { margin-right: 0; }  
h1 { font-weight: bold; }
```

**h1** - Selector (1)

**{ }** - Declaration (1)

# CSS Syntax Example

```
h1 {  
  display: block;  
  font-size: 2em;  
  margin-top: 0.67em;  
  margin-bottom: 0.67em;  
  margin-left: 0;  
  margin-right: 0;  
  font-weight: bold;  
}
```

`h1` - Selector (1)

`{ }` - Declaration (many)



# Stylesheets

**Stylesheets**

```
.content{
  float: right;
  width: 80%;
  padding: 5px;
}
.footer{
  background: #023023;
  position: fixed;
  left: 0;
  bottom: 0;
  text-align: center;
  padding-top: 27.5px;
  width: 100%;
  color: #fff;
}
.p{
  padding-bottom: 27.5px;
}
```



# CSS Тайлбар /Comments/

Comment нь кодыг тайлбарлахад ашигладаг бөгөөд хэсэг хугацааны дараа кодыг засварлахад чухал үүрэг гүйцэтгэдэг юм.

```
/*
```

# CSS Selector types

- Simple selectors
- Combinator selectors
- Pseudo-class selectors
- Pseudo-elements selectors
- Attribute selectors



# Simple selectors

# Simple selectors

element

h1

p

div

.class

. + class name

#id

# + id value

# Element selectors

Element name



```
h1 {  
    color:  green;  
}
```

# Element selectors

Element name




```
h1 {  
  color: green;  
}
```


```
<h1>Hello World!</h1>
```

Hello World!

# Class selectors

 +  Class name




```
.color {  
  color:  rgb(49, 198, 247);  
}
```



# Class selectors

**.** + **Class name**



```
.color {  
  color:  rgb(49, 198, 247);  
}
```

```
<h1 class="color"> Hello World! </h1>  
<div> Default color </div>  
<div class="color"> My color </div>
```

Hello World!

Default color

My color

# Id selectors

#

+

id value



```
#h1color {  
  color:  #ff6ec7;  
}
```

# Id selectors

# + id value



```
#h1color {  
  color:  #ff6ec7;  
}
```

```
<h1 id="h1color"> Hello World! </h1>  
<div> Default color </div>  
<div id="h1color"> My color </div>
```

Hello World!

Default color

My color

# Grouping Selector

**element** + **,** + **.class** + **,** + **#id**

```
h1 , .color, #h1color {  
  color: red;  
}
```

```
<h1> Hello World! </h1>  
<p class="color"> Other color </p>  
<div id="h1color"> My color </div>
```

Hello World!

Other color  
My color



# Combinator selectors

# Element болон Class Selector

descendant  
selector

div h1

child  
selector

div > h1

adjacent  
sibling selector

div + h1

general  
sibling selector

div ~ h1

```
{  
  background-color:  green;  
  color:  white;  
}
```

# Descendant selector

```
<div>
  <h1> Hello World! 1 </h1>
  <section>
    <h1> Hello World! 2 </h1>
  </section>
</div>
<h1> Hello world 3</h1>
<h1> Hello world 4</h1>
```

```
div h1 {
  background-color: green;
  color: white;
}
```

**Hello World! 1**

**Hello World! 2**

**Hello world 3**

**Hello world 4**



# Child selector

```
<div>
  <h1> Hello World! 1 </h1>
  <section>
    <h1> Hello World! 2 </h1>
  </section>
</div>
<h1> Hello world 3</h1>
<h1> Hello world 4</h1>
```

```
div > h1 {
  background-color: green;
  color: white;
}
```

**Hello World! 1**

**Hello World! 2**

**Hello world 3**

**Hello world 4**

# Adjacent sibling selector

```
<div>
  <h1> Hello World! 1 </h1>
  <section>
    <h1> Hello World! 2 </h1>
  </section>
</div>
<h1> Hello world 3</h1>
<h1> Hello world 4</h1>
```

```
div + h1 {
  background-color: green;
  color: white;
}
```

**Hello World! 1**

**Hello World! 2**

**Hello world 3**

**Hello world 4**

# General sibling selector

```
<div>
  <h1> Hello World! 1 </h1>
  <section>
    <h1> Hello World! 2 </h1>
  </section>
</div>
<h1> Hello world 3</h1>
<h1> Hello world 4</h1>
```

```
div ~ h1 {
  background-color: ■green;
  color: ■white;
}
```

**Hello World! 1**

**Hello World! 2**

**Hello world 3**

**Hello world 4**



# Pseudo-class selectors

# Pseudo-class selectors

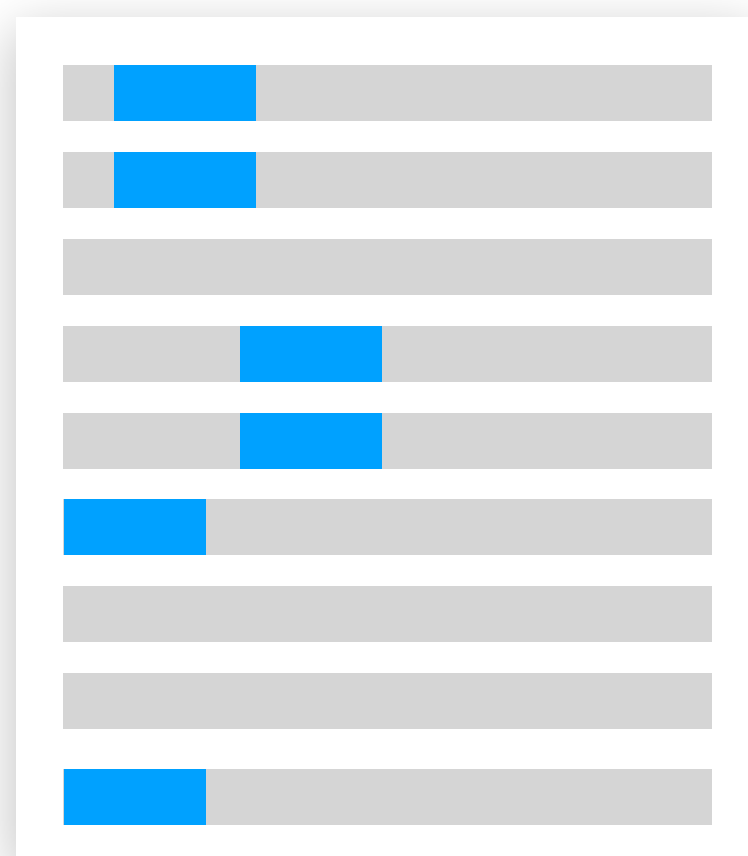
```
selector:pseudo-class {  
    ...  
}
```

```
:link  
  
:visited  
  
:hover  
  
:active  
  
:nth-child(...)
```



# CSS хэрэглээ

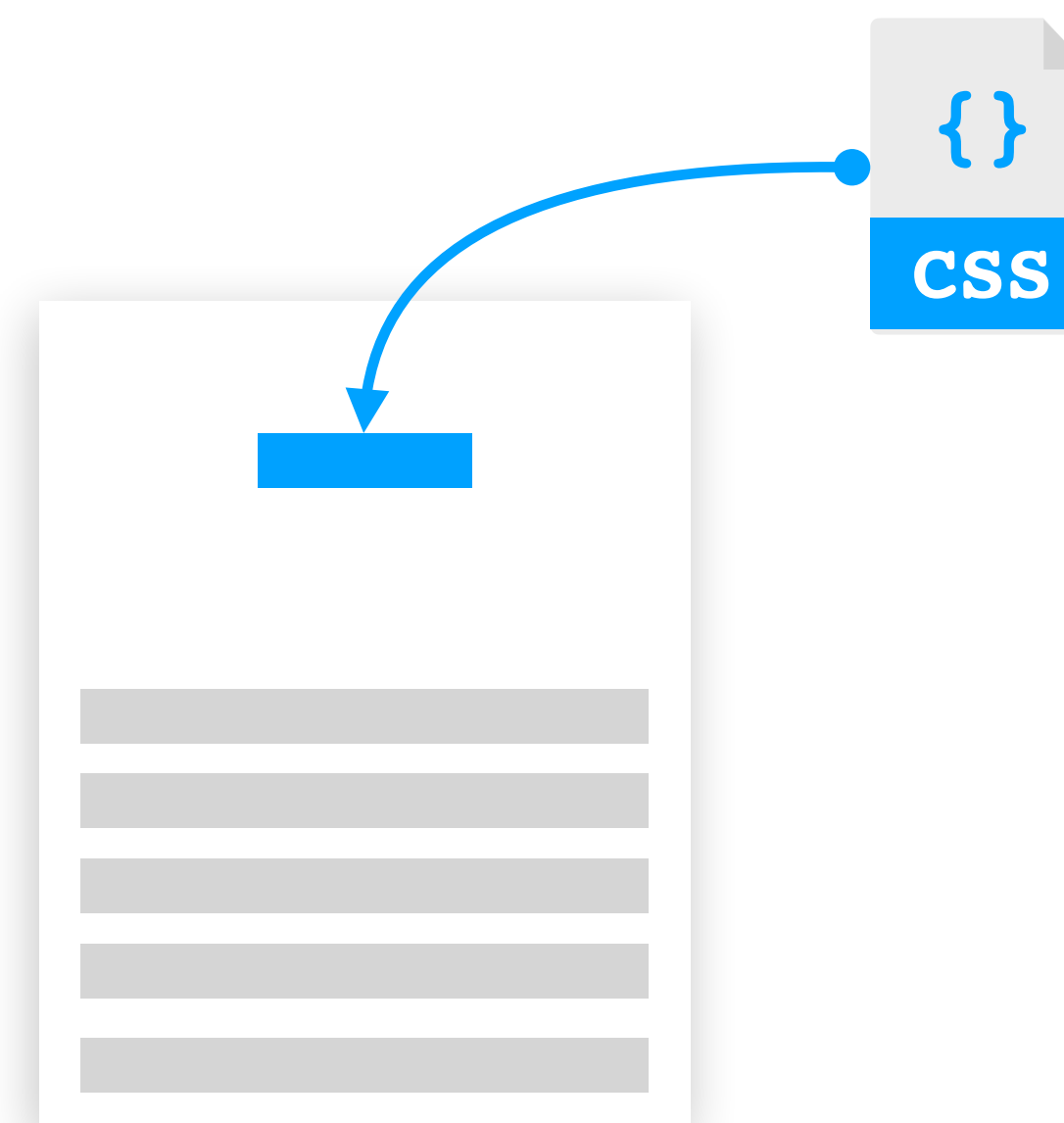
# CSS хэрэглээ



**Inline**



**Internal**




**External**



# Inline

Html-н элементэд style атрибутаг нэг бүрчлэн бичиж өгөх

```
<h1 style="color:  green;"> Hello World!</h1>  
<p style="background-color:  aqua;"> My style </p>  
<div style="font-size: large;"> Hi </div>
```

# Internal

Internal - `<head>` tag-н элементэд `<style>` элементийг ашиглаж болно

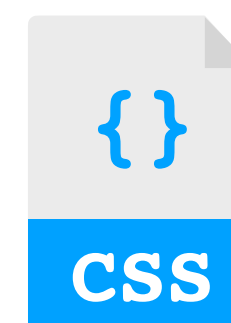
`<head>`

```
<style>
  h1 {
    color: green;
  }
  .color {
    color: rgb(49, 198, 247);
  }
  #h1color {
    color: #ff6ec7;
  }
</style>
```

`</head>`

# External

CSS файл болгон ашиглаж болно.



```
# style.css ×
Users > topuk > Downloads > 2 > # style.css > *
15  div h1 {
16      background-color: green;
17      color: white;
18  }
19
20  h1 {
21      color: green;
22  }
23  .color {
24      color: rgb(49, 198, 247);
25  }
26  #h1color {
```

<head>

```
<link rel="stylesheet" href="style.css">
```

</head>



Асуулт ?