

CSS

CSS FUNDAMENTALS POSITIONING

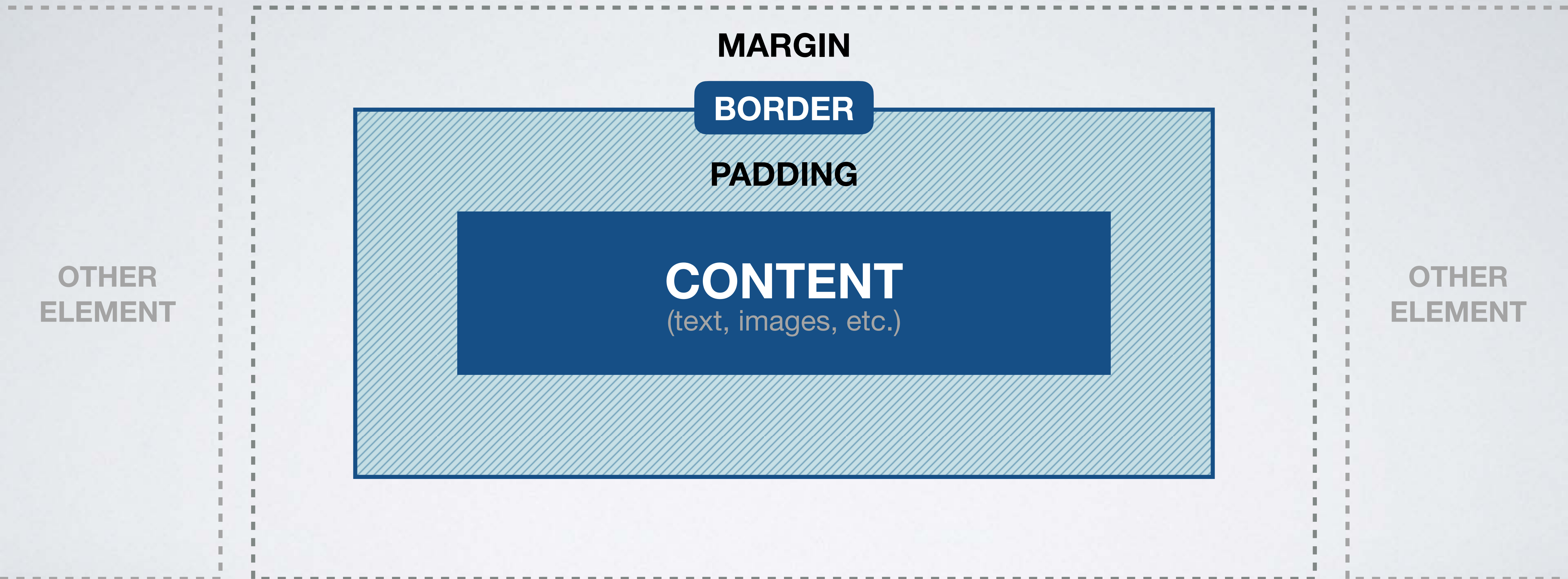
# Box model



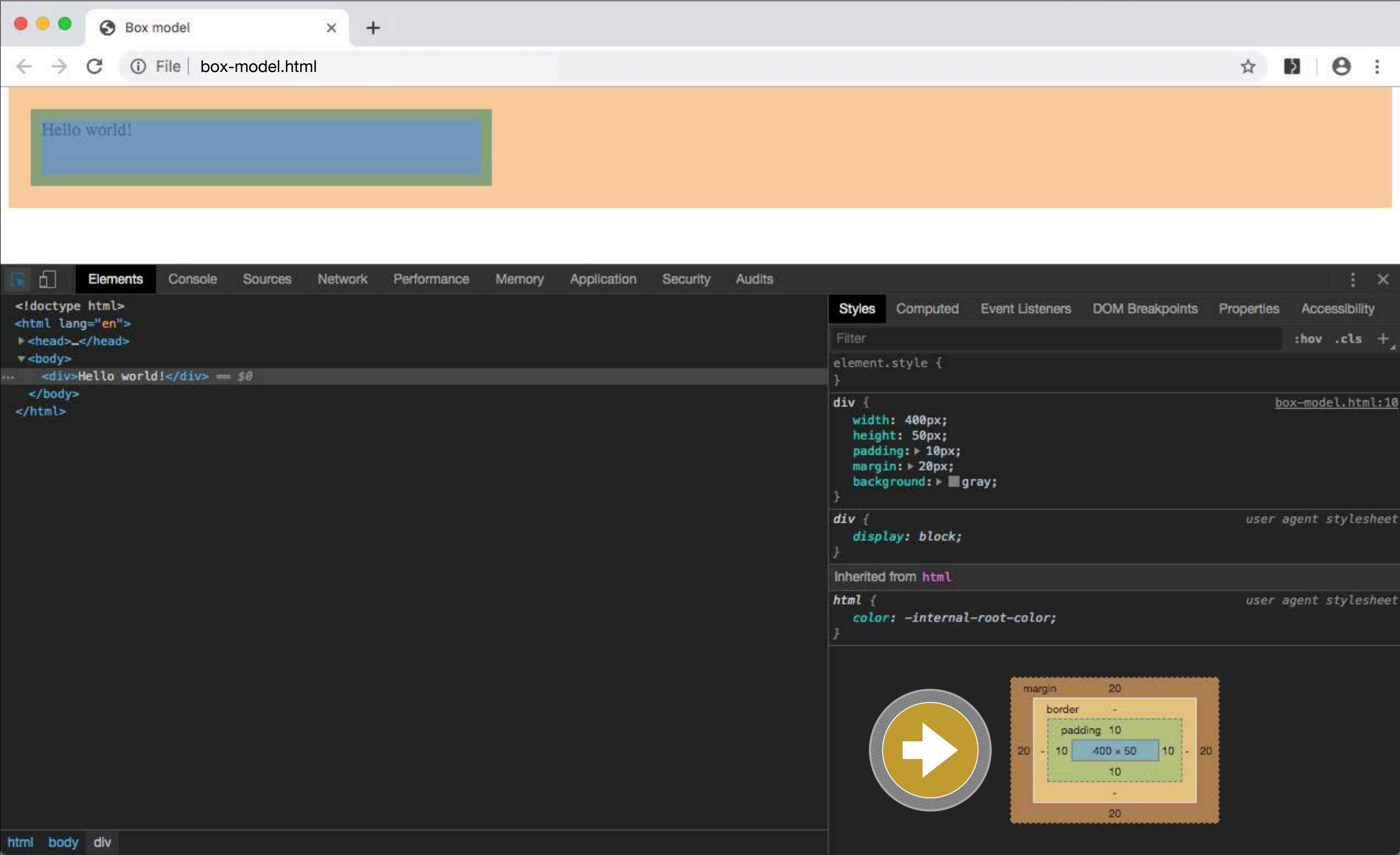
**IN A ROCKET**

Learn front-end development at rocket speed

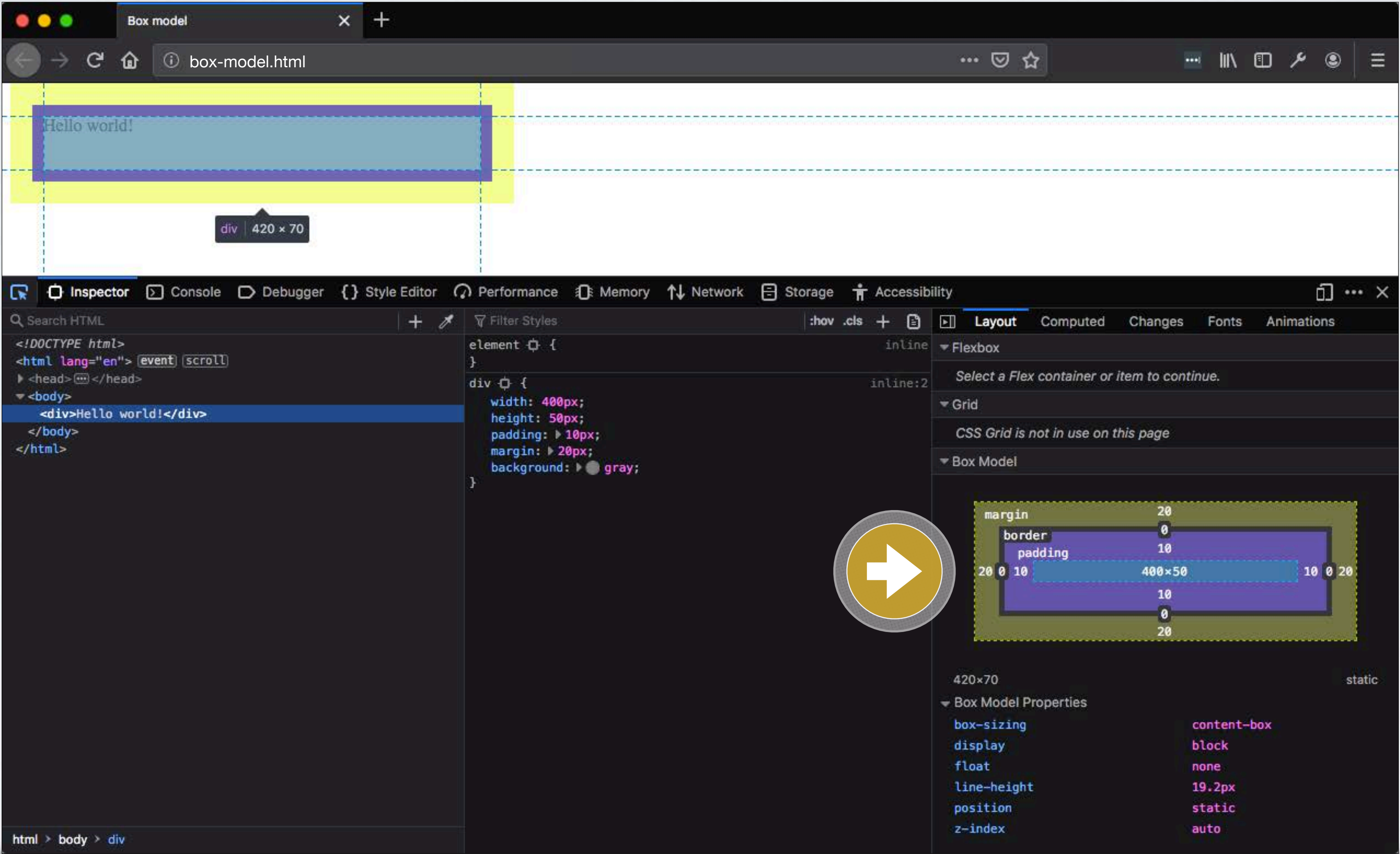
The following rectangular area is created  
for each HTML element:



# TOOLS: CHROME DEVELOPER TOOLS



# TOOLS: FIREFOX DEVELOPER TOOLS



**CONTENT**

**PADDING**

**BORDER**

**MARGIN**

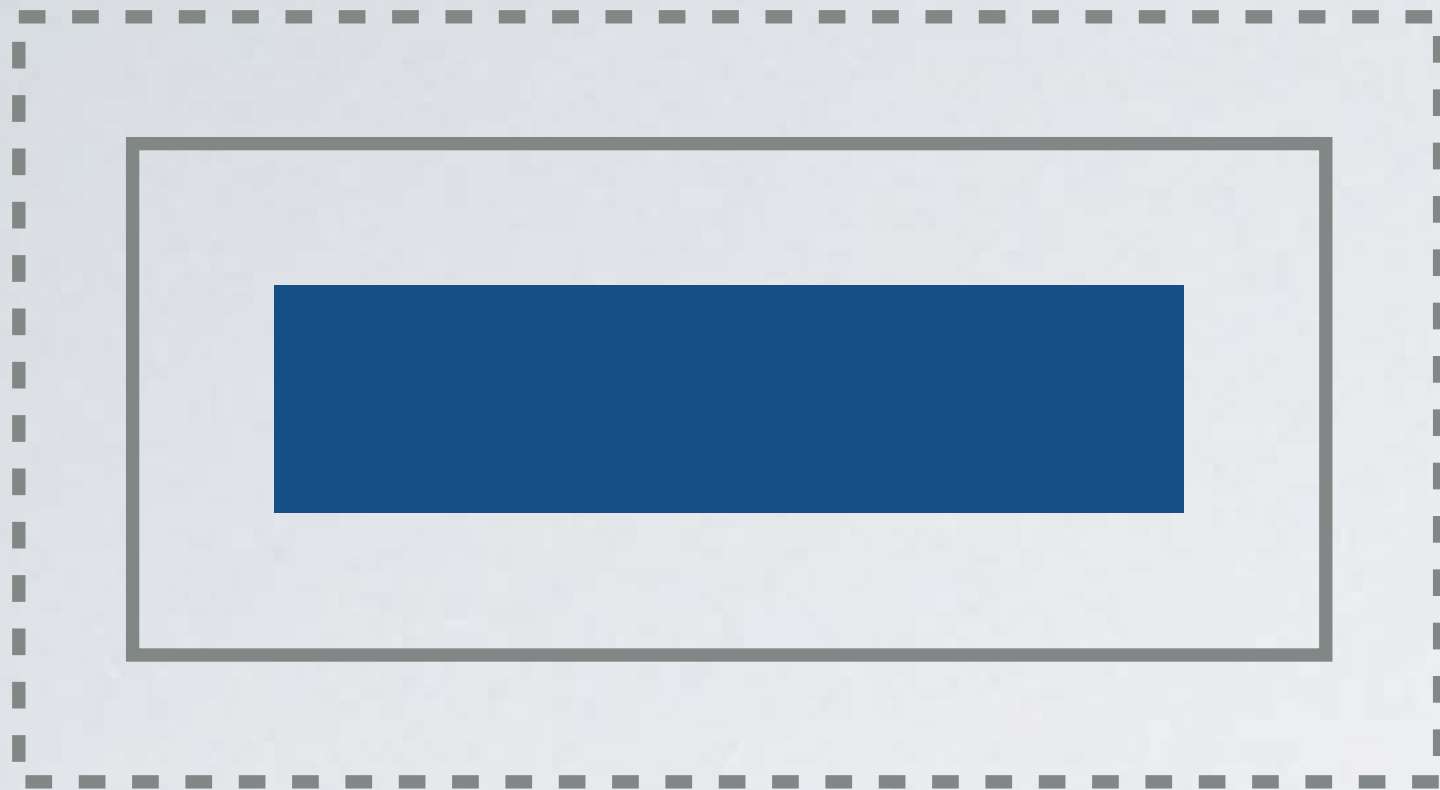
**CONTENT**

**PADDING**

**BORDER**

**MARGIN**

# CONTENT



```
width: 25rem;  
height: 10rem;
```

# CONTENT

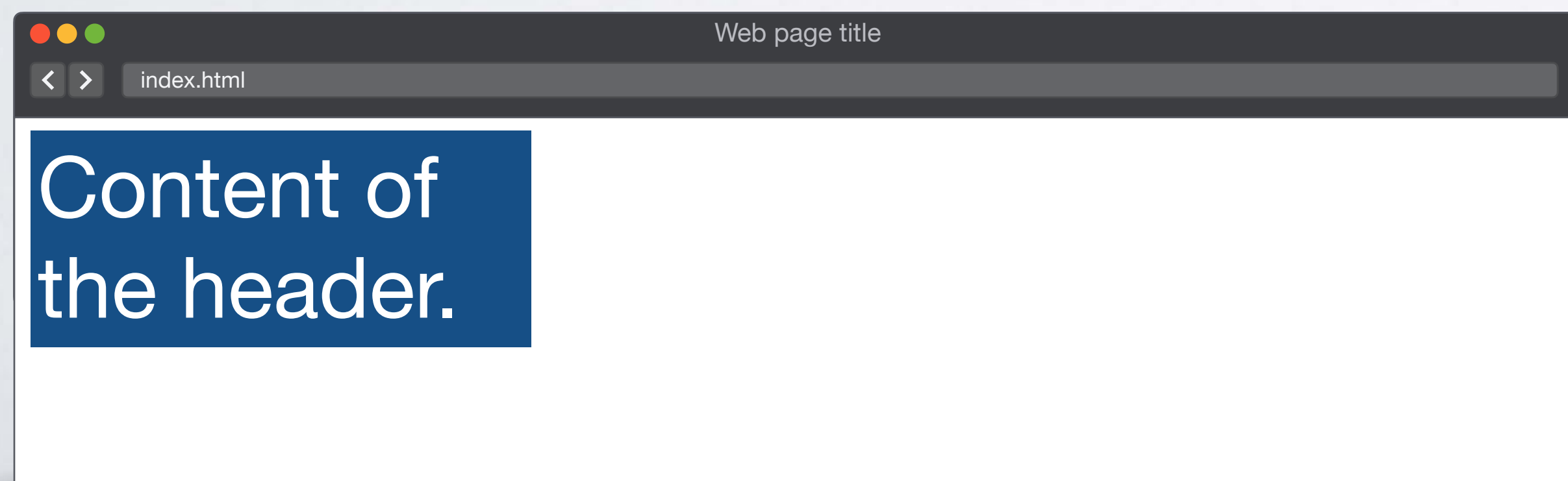
## HTML

```
<body>  
<header>Content of the header.</header>  
</body>
```

## CSS

```
header { width: 25rem; }
```

## Browser



# CONTENT

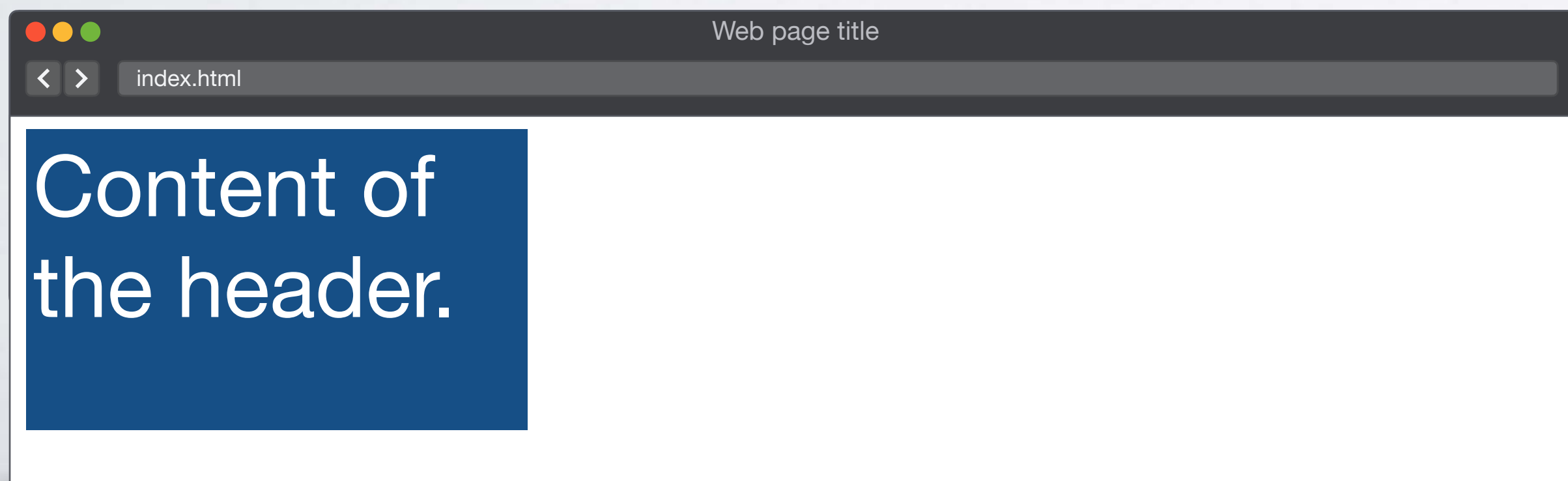
## HTML

```
<body>  
<header>Content of the header.</header>  
</body>
```

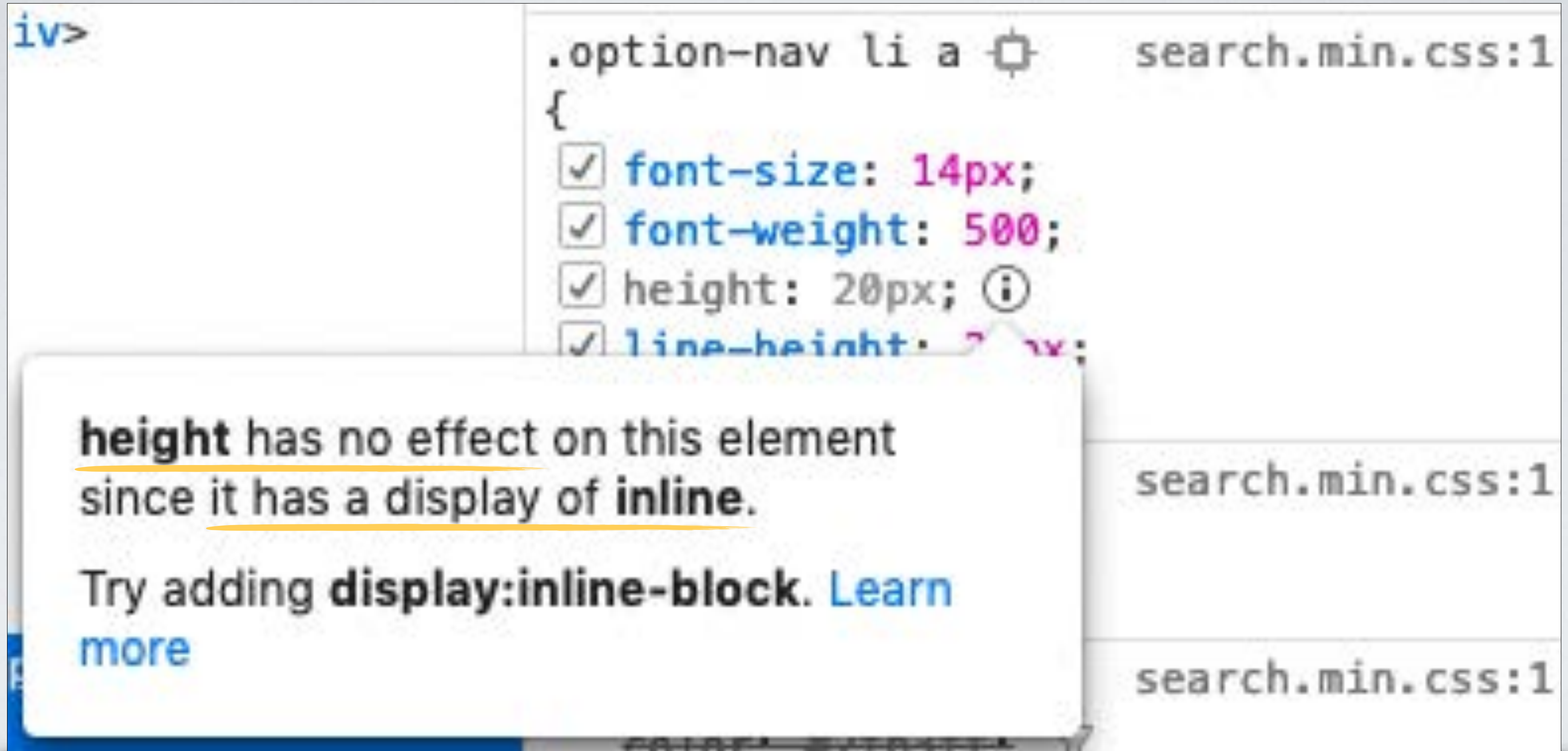
## CSS

```
header {  
  width: 25rem;  
  height: 20rem;  
}
```

## Browser



# TOOLS: FIREFOX DEVELOPER TOOLS



**CONTENT**

**PADDING**

**BORDER**

**MARGIN**

# PADDING



## LONGHAND

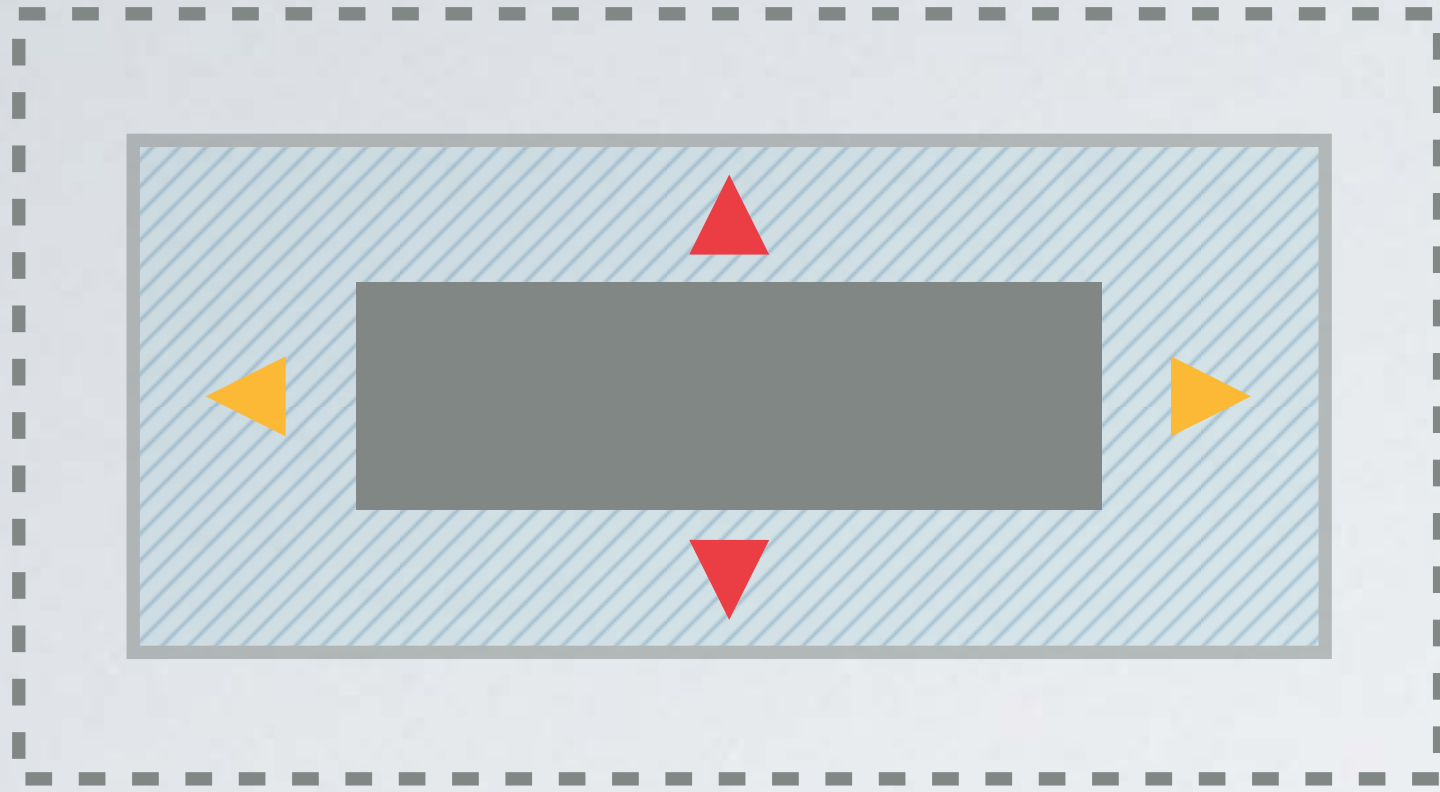
```
padding-top: 2rem;  
padding-right: 2rem;  
padding-bottom: 2rem;  
padding-left: 2rem;
```

=

## SHORTHAND

```
padding: 2rem;
```

# PADDING



## LONGHAND

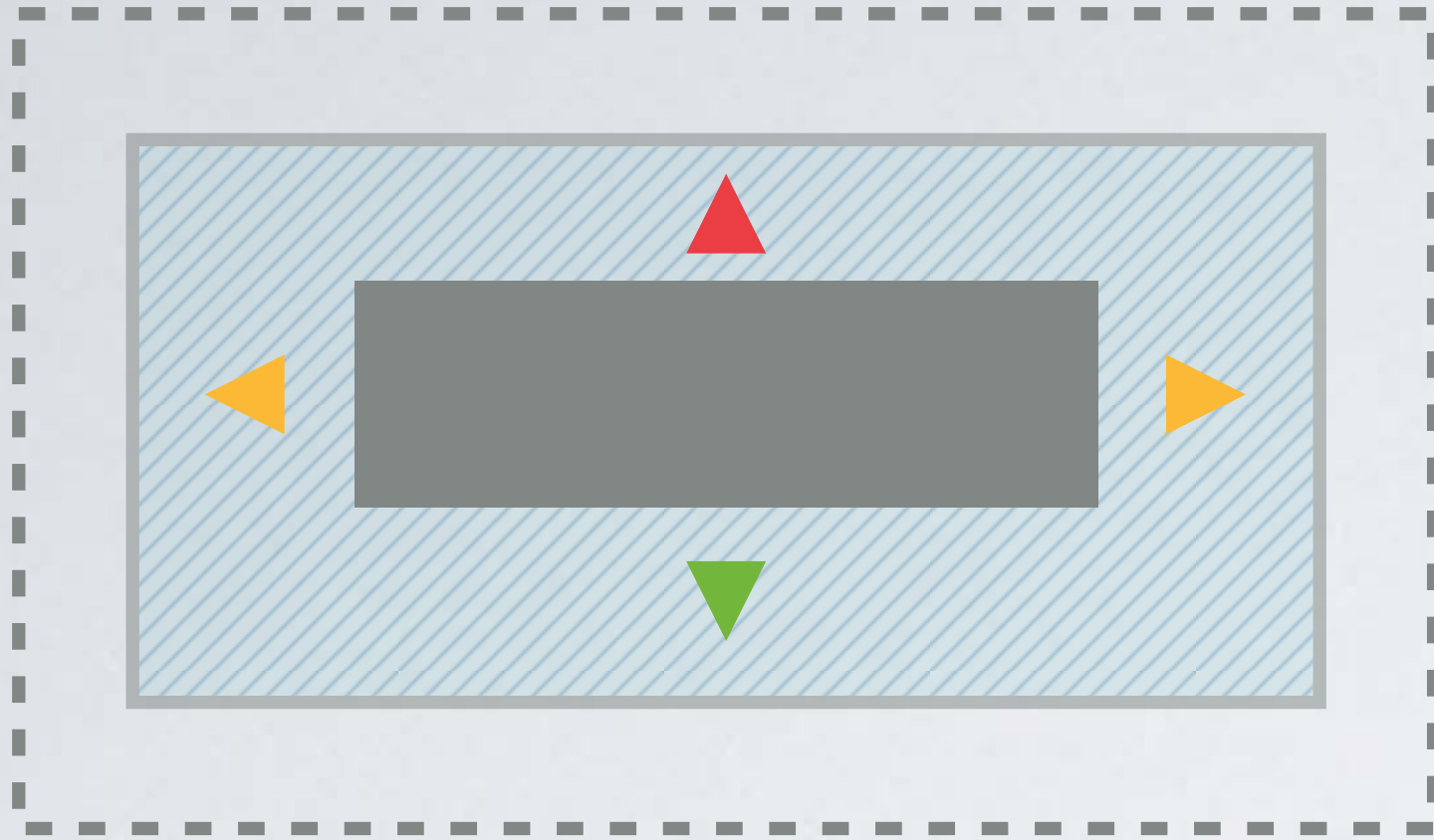
```
padding-top: 2rem;  
padding-right: 3rem;  
padding-bottom: 2rem;  
padding-left: 3rem;
```

=

## SHORTHAND

```
padding: 2rem 3rem;
```

# PADDING



## LONGHAND

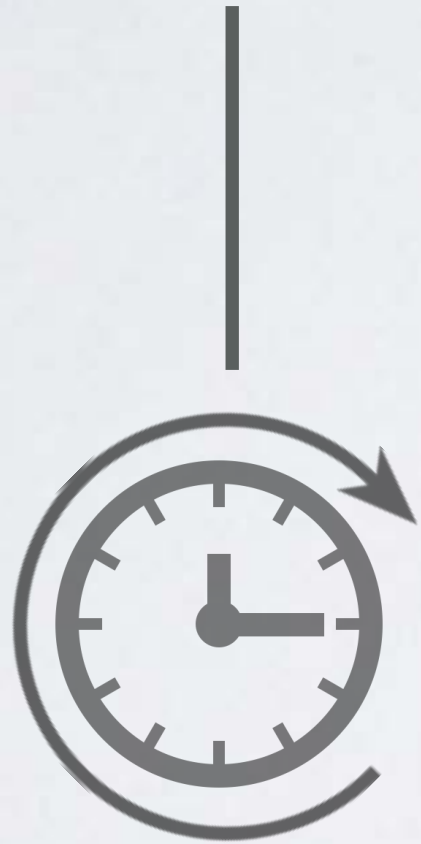
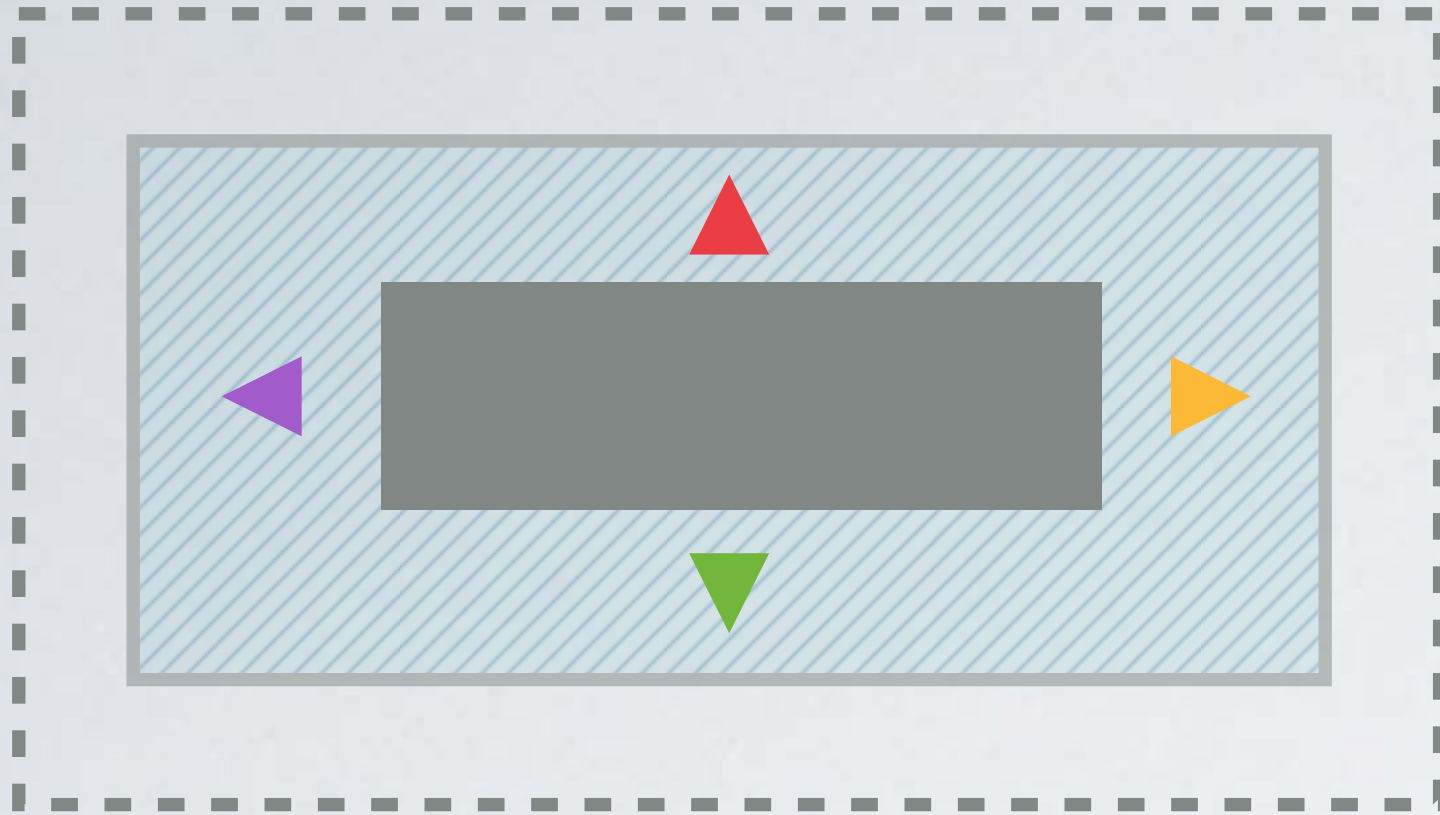
```
padding-top: 2rem;  
padding-right: 3rem;  
padding-bottom: 4rem;  
padding-left: 3rem;
```

=

## SHORTHAND

```
padding: 2rem 3rem 4rem;
```

# PADDING



## LONGHAND

```
padding-top: 1rem;  
padding-right: 3rem;  
padding-bottom: 2rem;  
padding-left: 4rem;
```

=

## SHORTHAND

```
padding: 1rem 3rem 2rem 4rem;
```

# PADDING

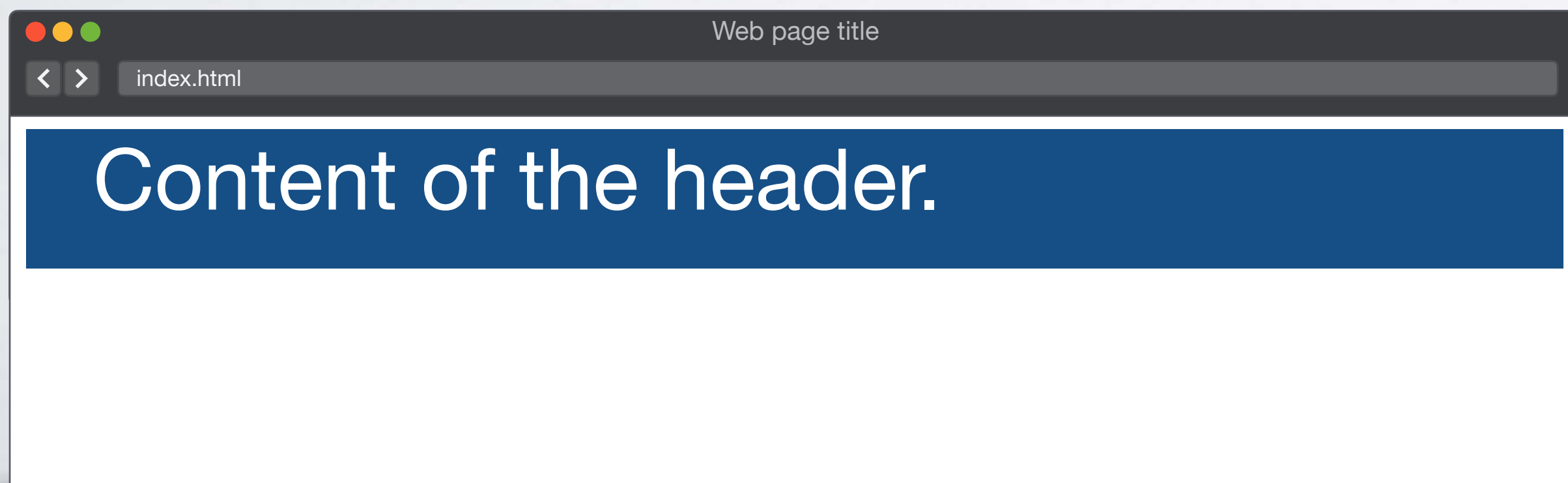
## HTML

```
<body>  
<header>Content of the header.</header>  
</body>
```

## CSS

```
header { padding: 1rem 2rem 3rem 4rem; }
```

## Browser



**CONTENT**

**PADDING**

**BORDER**

**MARGIN**

**border**

width

style

color

**border**

**width**

**style**

**color**



## LONGHAND

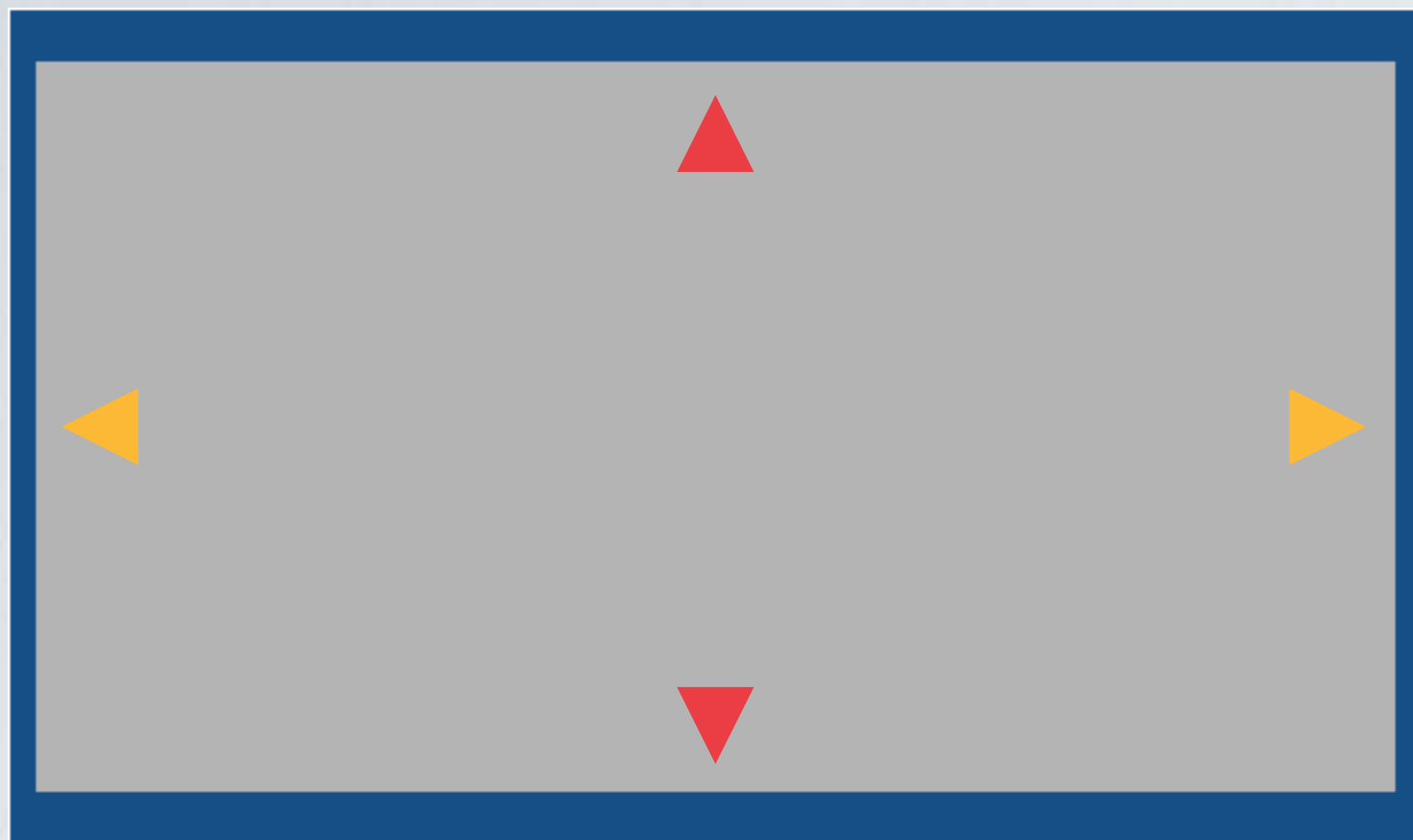
```
border-top-width: 2rem;  
border-right-width: 2rem;  
border-bottom-width: 2rem;  
border-left-width: 2rem;
```

=

## SHORTHAND

```
border-width: 2rem;
```

# BORDER / WIDTH



## LONGHAND

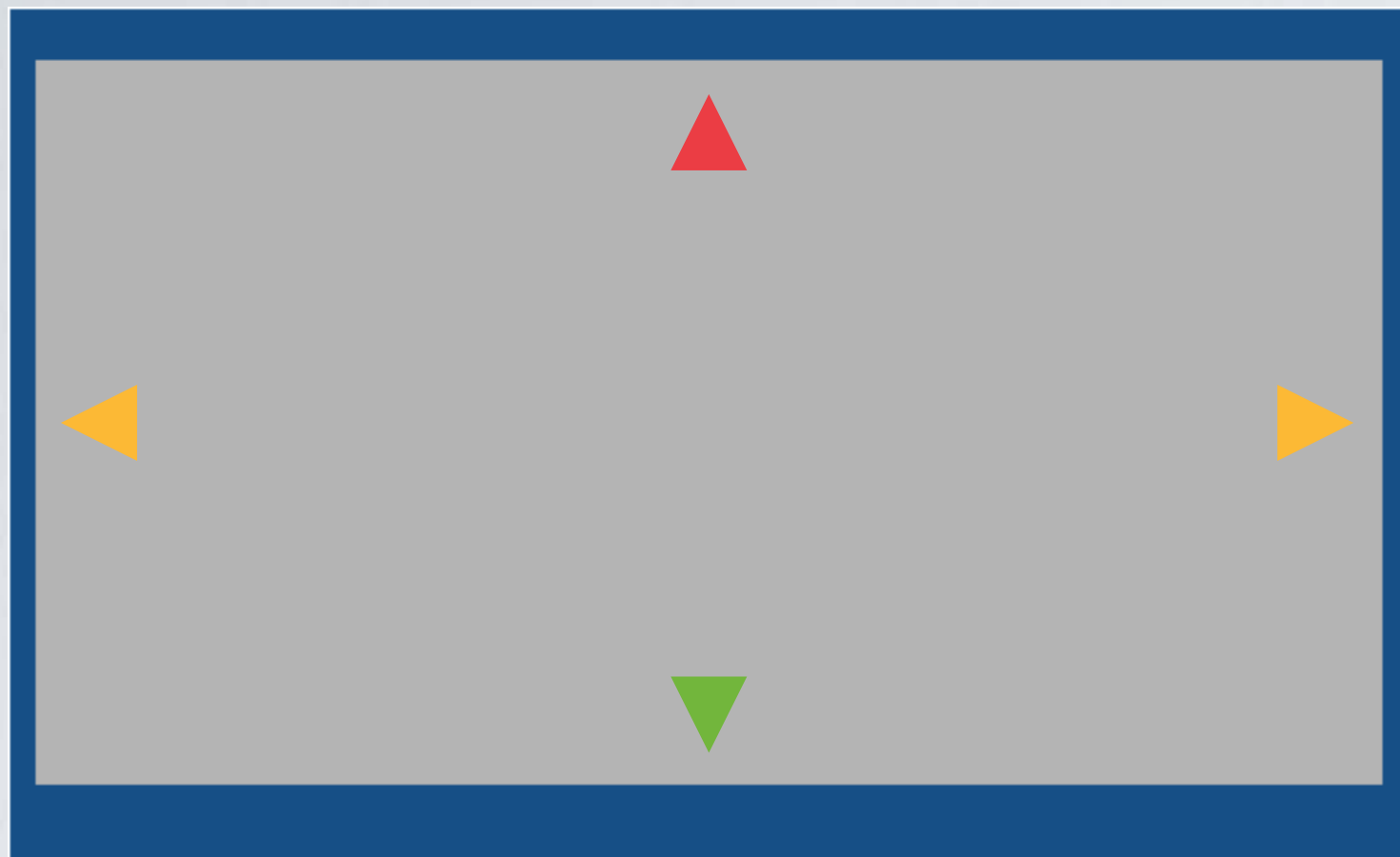
```
border-top-width: 2rem;  
border-right-width: 1rem;  
border-bottom-width: 2rem;  
border-left-width: 1rem;
```

=

## SHORTHAND

```
border-width: 2rem 1rem;
```

# BORDER / WIDTH



## LONGHAND

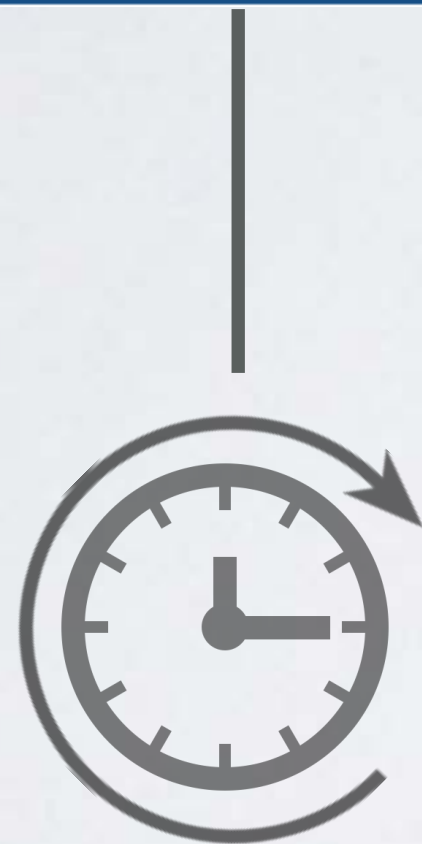
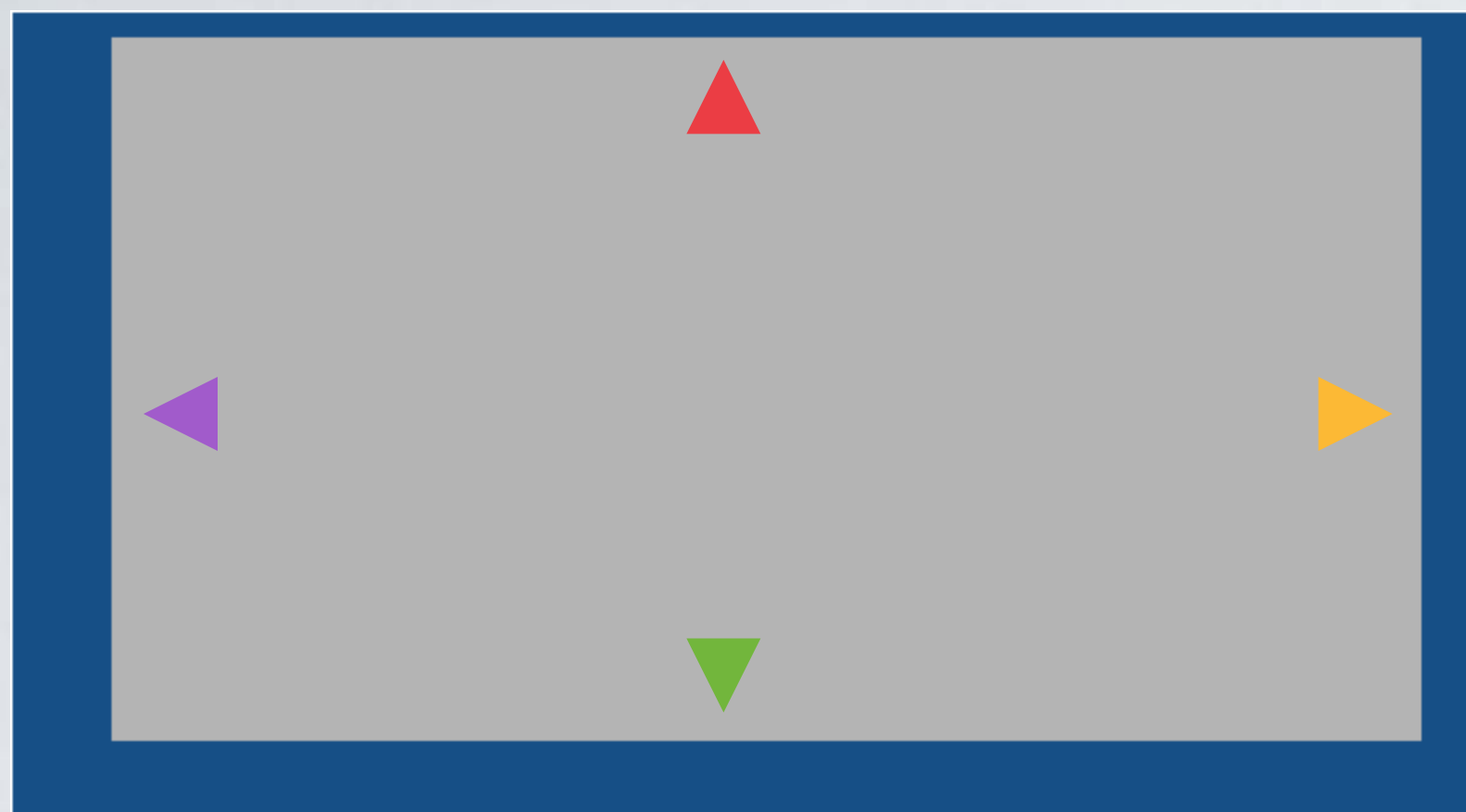
```
border-top-width: 2rem;  
border-right-width: 1rem;  
border-bottom-width: 3rem;  
border-left-width: 1rem;
```

=

## SHORTHAND

```
border-width: 2rem 1rem 3rem;
```

# BORDER / WIDTH



## LONGHAND

```
border-top-width: 1rem;  
border-right-width: 2rem;  
border-bottom-width: 3rem;  
border-left-width: 4rem;
```

=

## SHORTHAND

```
border-width: 1rem 2rem 3rem 4rem;
```

**border**

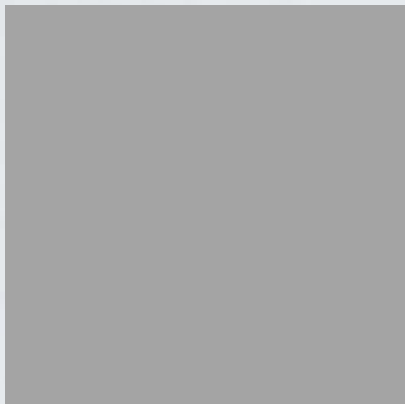
width

**style**

color

border-style:

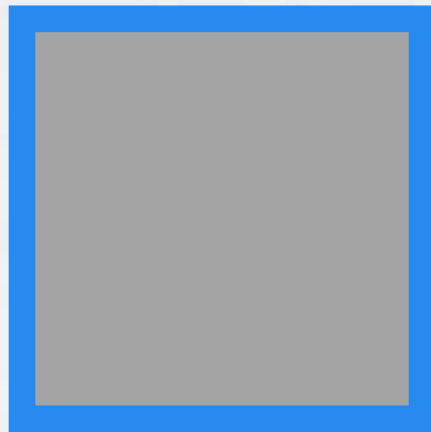
none



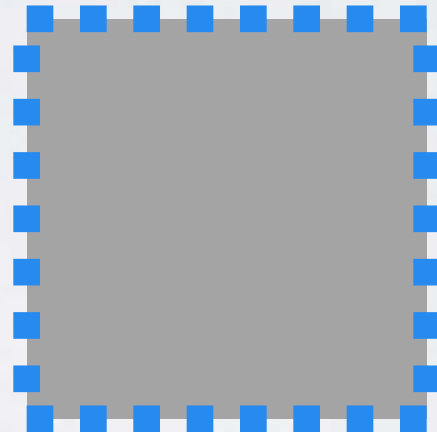
hidden



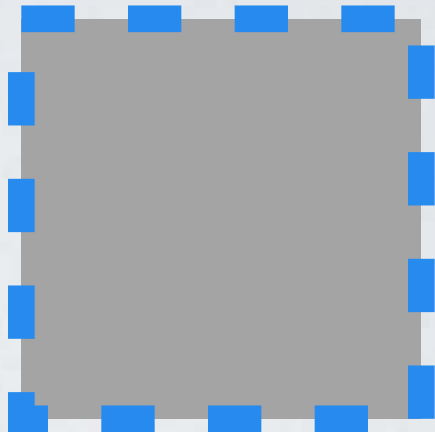
solid



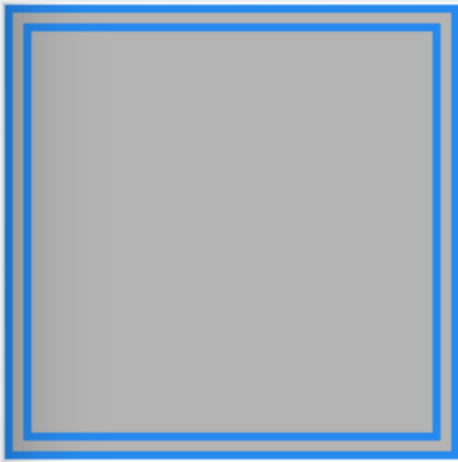
dotted



dashed



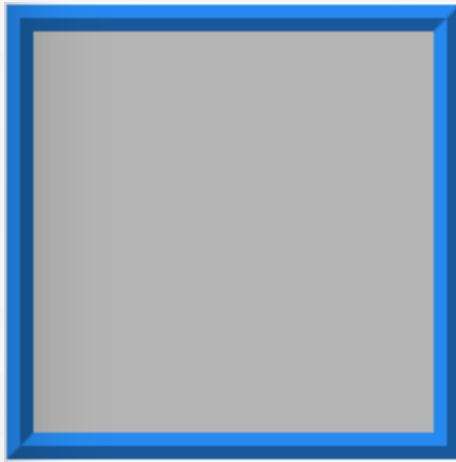
double



groove



ridge



inset



outset



**border**

width

style

color



## LONGHAND

```
border-top-color: blue;  
border-right-color: blue;  
border-bottom-color: blue;  
border-left-color: blue;
```

=

## SHORTHAND

```
border-color: blue;
```



## LONGHAND

```
border-top-color: blue;  
border-right-color: red;  
border-bottom-color: blue;  
border-left-color: red;
```

=

## SHORTHAND

```
border-color: blue red;
```



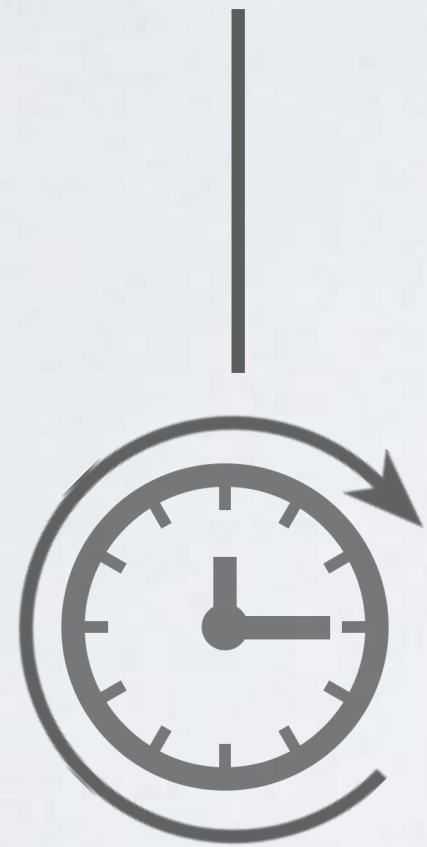
## LONGHAND

```
border-top-color: blue;  
border-right-color: red;  
border-bottom-color: green;  
border-left-color: red;
```

=

## SHORTHAND

```
border-color: blue red green;
```



## LONGHAND

```
border-top-color: red;  
border-right-color: orange;  
border-bottom-color: green;  
border-left-color: blue;
```

=

## SHORTHAND

```
border-color: red orange green blue;
```

**border**

width

+

style

+

color

=

**SHORTHAND**

**border:** *width style color*

Example

**border:** 5px dotted red

# BORDER SHORTHAND

## HTML

```
<body>  
<header>Content of the header.</header>  
</body>
```

## CSS

```
header { border: 5px dotted red; }
```

## Browser



**CONTENT**

**PADDING**

**BORDER**

**MARGIN**

# MARGIN



## LONGHAND

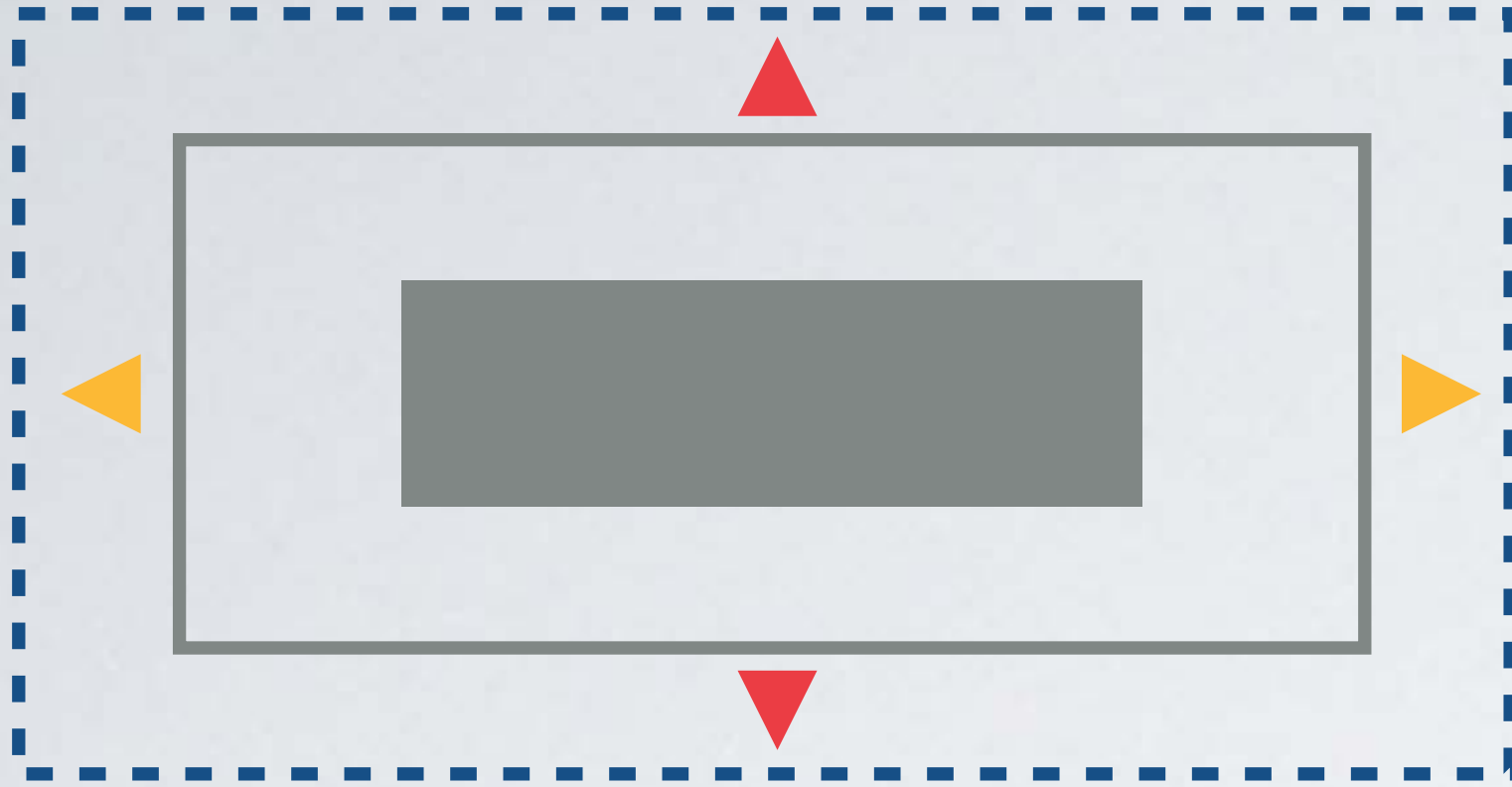
```
margin-top: 1rem;  
margin-right: 1rem;  
margin-bottom: 1rem;  
margin-left: 1rem;
```

=

## SHORTHAND

```
margin: 1rem;
```

# MARGIN



## LONGHAND

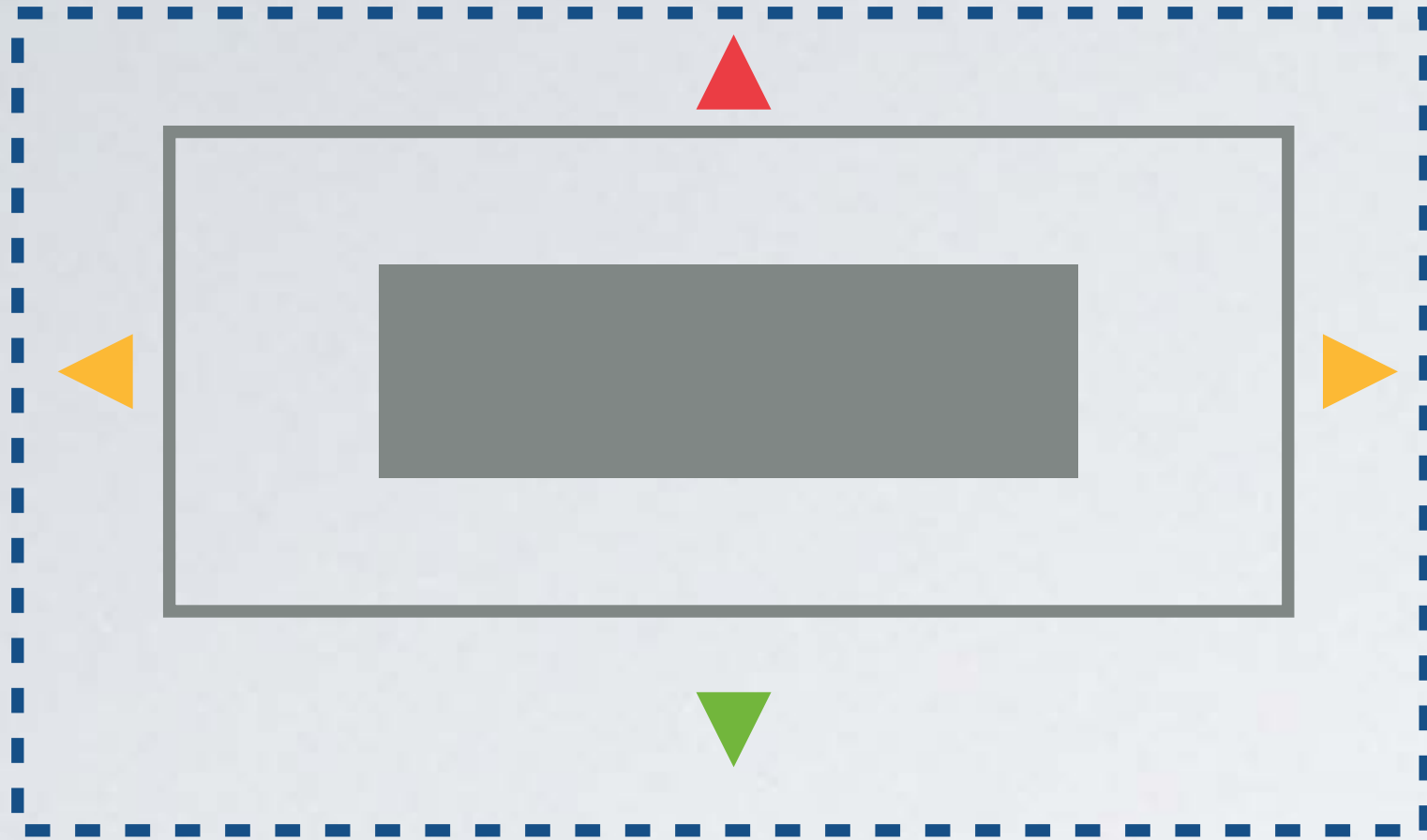
```
margin-top: 1rem;  
margin-right: 3rem;  
margin-bottom: 1rem;  
margin-left: 3rem;
```

=

## SHORTHAND

```
margin: 1rem 3rem;
```

# MARGIN



## LONGHAND

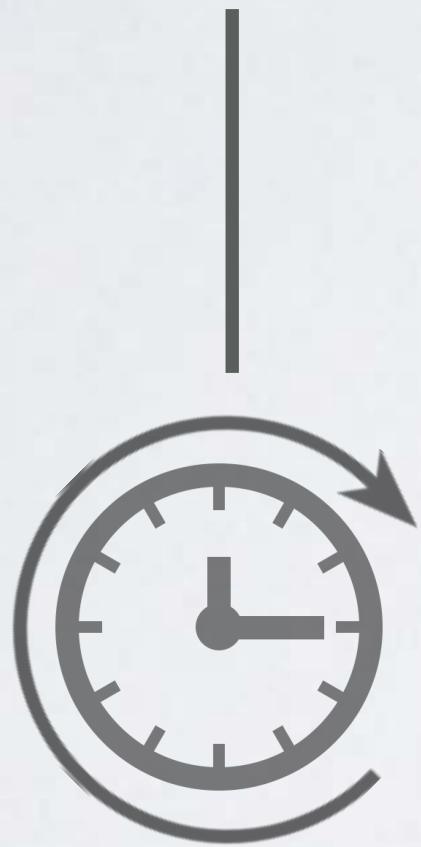
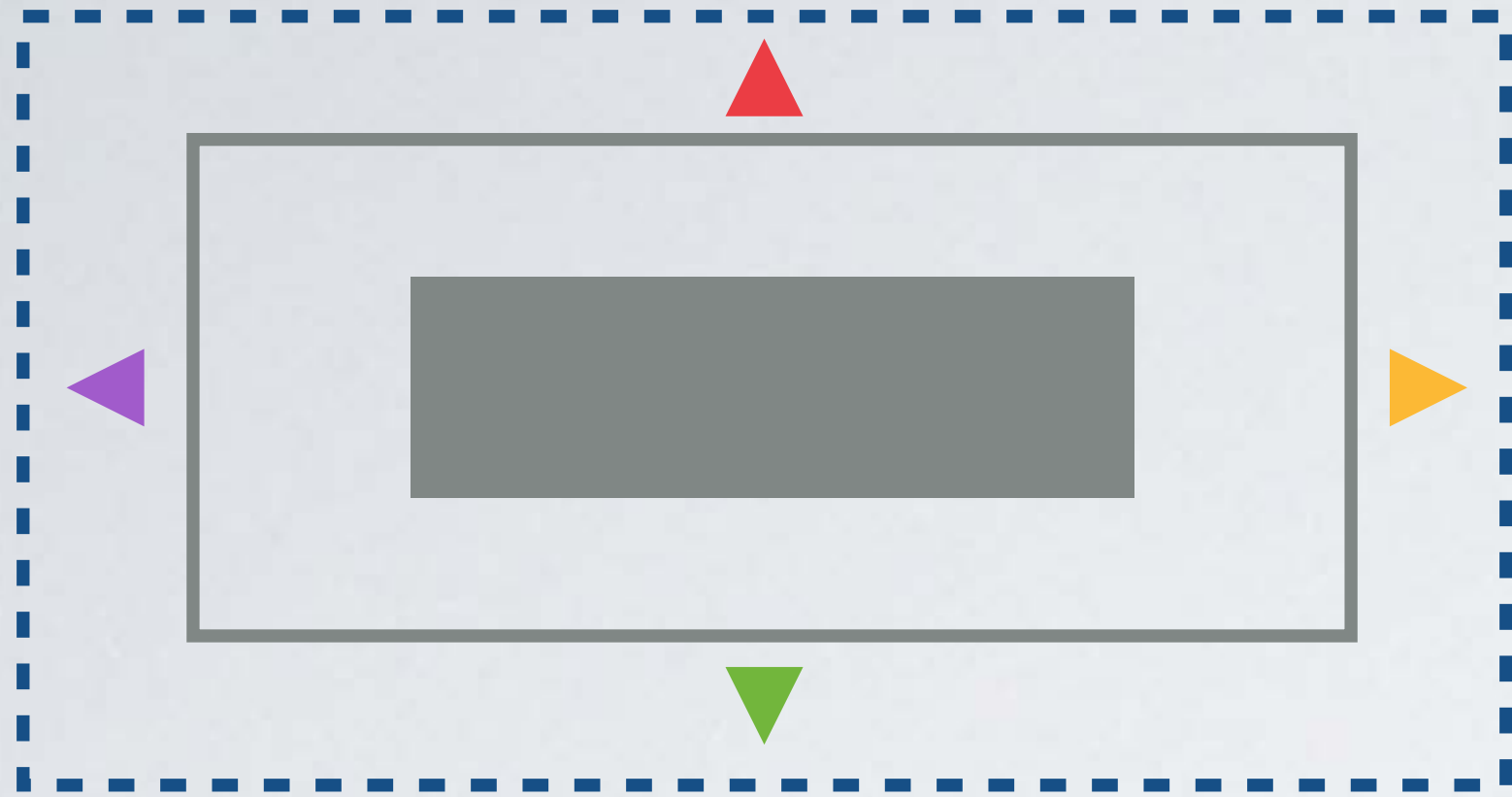
```
margin-top: 1rem;  
margin-right: 3rem;  
margin-bottom: 5rem;  
margin-left: 3rem;
```

=

## SHORTHAND

```
margin: 1rem 3rem 5rem;
```

# MARGIN



## LONGHAND

```
margin-top: 1rem;  
margin-right: 3rem;  
margin-bottom: 2rem;  
margin-left: 4rem;
```

=

## SHORTHAND

```
margin: 1rem 3rem 2rem 4rem;
```

# MARGIN

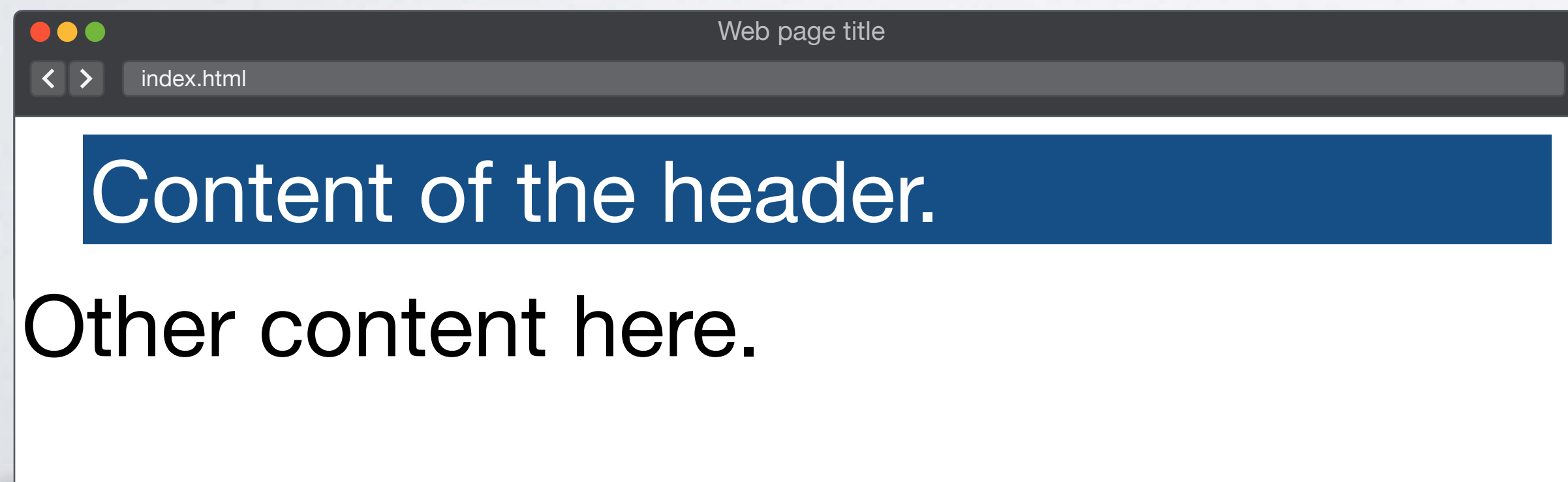
## HTML

```
<body>  
<header>Content of the header.</header>  
<p>Other content here.</p>  
</body>
```

## CSS

```
header { margin: 1rem 2rem 3rem 4rem; }
```

## Browser



# USING MARGIN TO HORIZONTALLY CENTER AN ELEMENT

container

```
.inner {  
  width: 50%;  
  margin: 0 auto;  
}
```

**CONTENT**



**PADDING**



**BORDER**



**MARGIN**



# BOX-SIZING

~ ~ ~

The **box-sizing** property sets how the total width and height of an element is calculated.

```
width: 600px;  
padding: 40px;  
border: 10px;  
box-sizing: content-box;
```

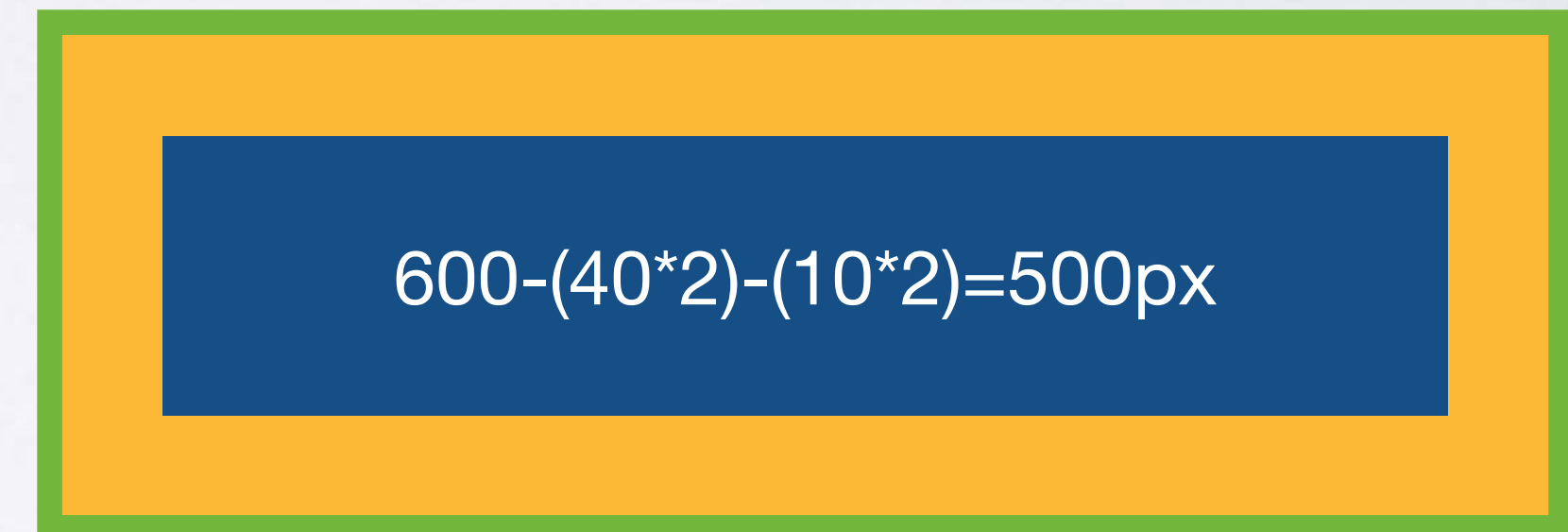
default



600px

width = content

```
width: 600px;  
padding: 40px;  
border: 10px;  
box-sizing: border-box;
```



600px

width = content + padding + border

# ROUNDED CORNERS

*How to use border-radius*

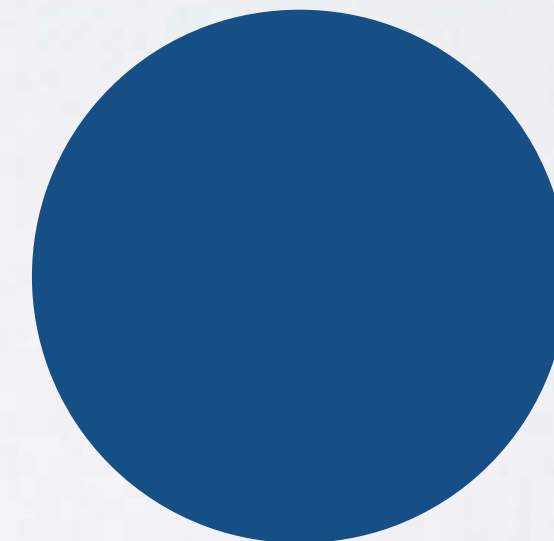
# ROUNDED CORNERS

The **border-radius** property rounds the corners of an element's outer border edge.

```
width: 8rem;  
height: 2rem;  
border-radius: 10%;
```



```
width: 4rem;  
height: 4rem;  
border-radius: 50%;
```



# inrocket.com

Learn front-end development at rocket speed



## We respect your time

Just direct, clear  
videos and slides.



## Step-by-step guides

Actionable steps for creating  
real-world solutions.



## Ready-to-use code

Code you can just copy &  
paste into your projects.



## No more subscriptions

Subscription-free  
premium courses.

## TRADEMARK DISCLOSURE

This course is an independent initiative and is not affiliated, endorsed, sponsored, or officially connected with any of the trademarks mentioned in these educational materials. Trademarks, service marks, and logos used in this course belong to their respective owners.

The use of these marks in our course is solely for educational purposes and descriptive identification. It does not imply any association with the trademark holder or endorsement by them.

All information provided is intended as educational material and should not be taken as legal advice. If you have questions regarding the use of copyrighted material or trademarks, please consult with an intellectual property lawyer.



This work is licensed under  
CC Attribution-NonCommercial-NoDerivatives 4.0 International.

