

CSS

CSS FUNDAMENTALS

# Selectors

**Simple** (BEM - NAMING CONVENTION FOR CLASSES)



**IN A ROCKET**

Learn front-end development at *rocket speed*



# ATOMIC WEB DESIGN

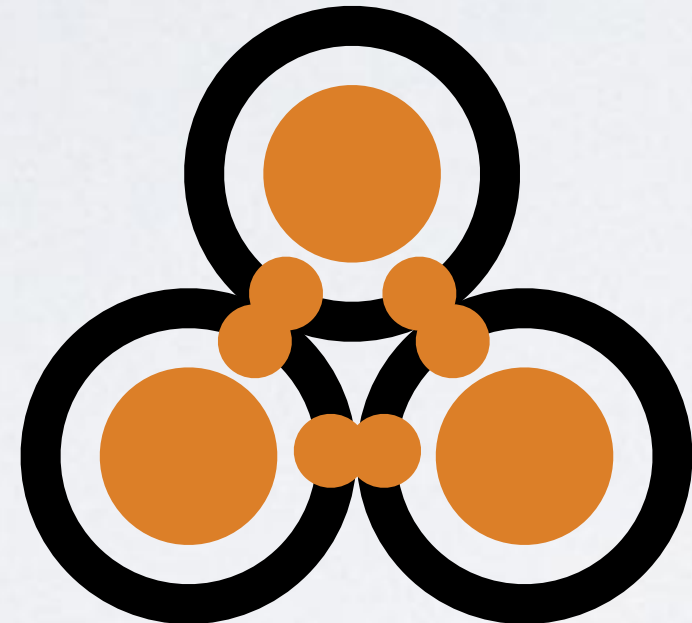
*Breaking a website layout down into its basic components*



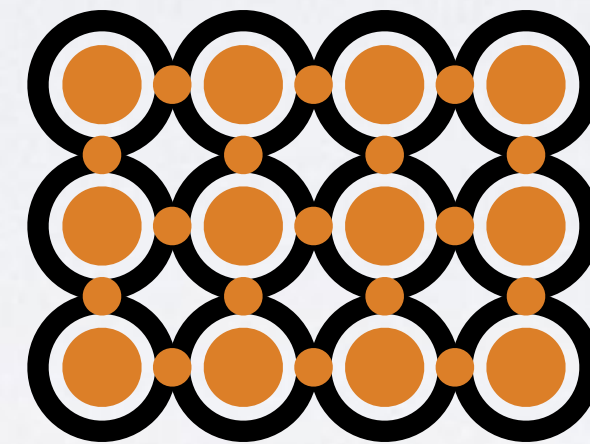
**ATOMS**



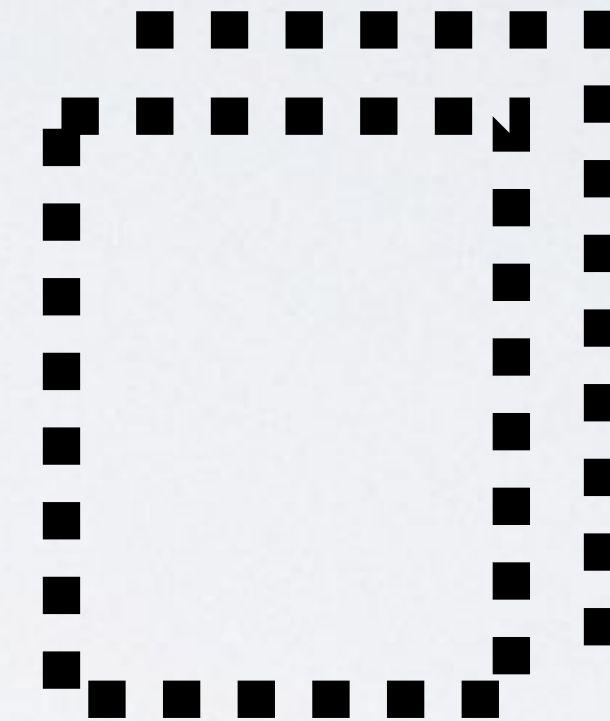
**MOLECULES**



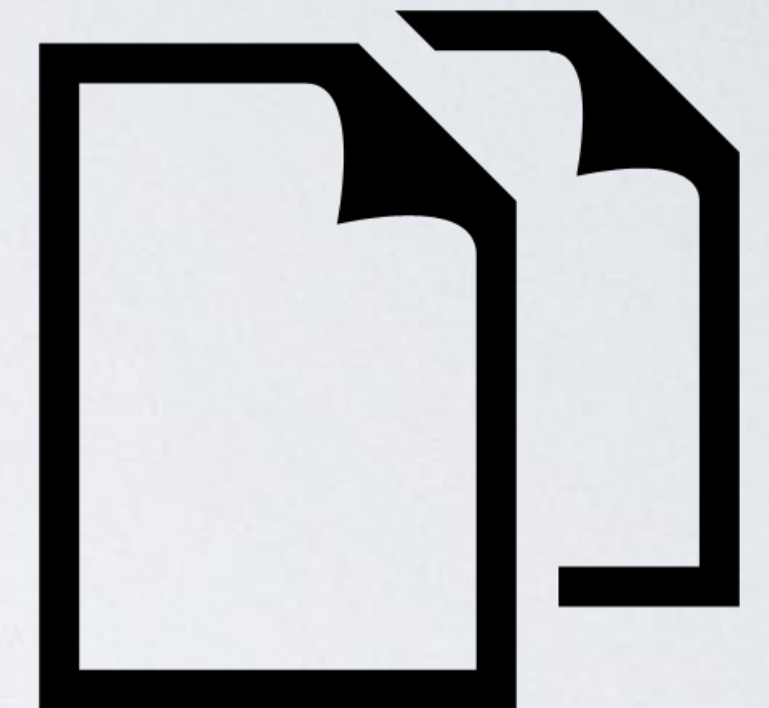
**ORGANISMS**



**TEMPLATES**



**PAGES**



**SOURCE:** [Atomic Web Design](#) por Brad Frost.

# ATOMS



SEARCH THE SITE

LABEL

ENTER KEYWORD

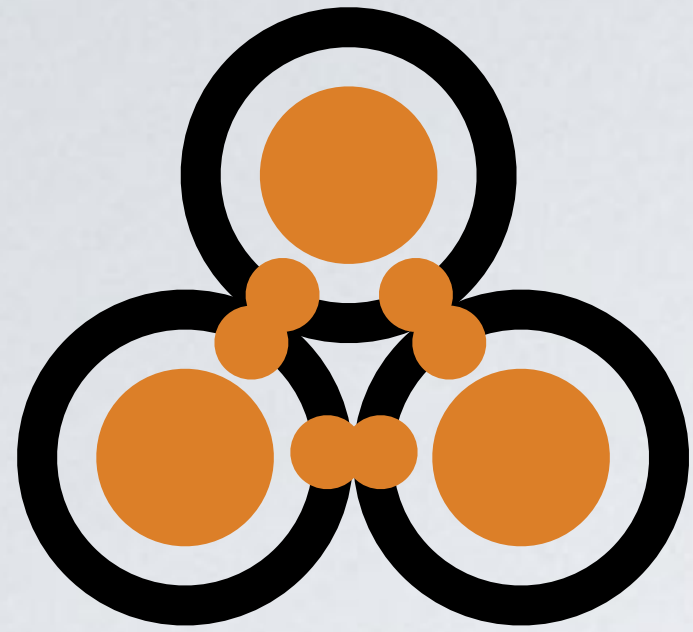
INPUT

SEARCH

BUTTON



# MOLECULES



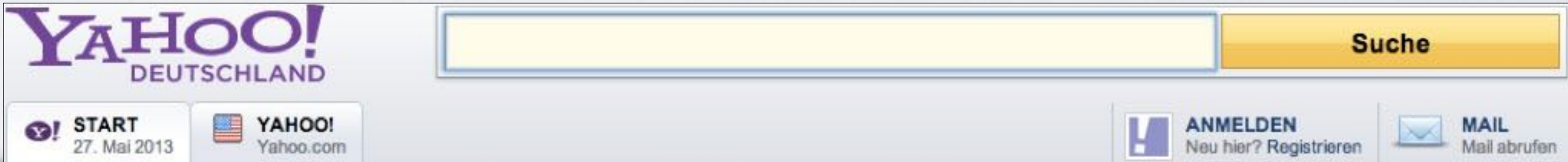
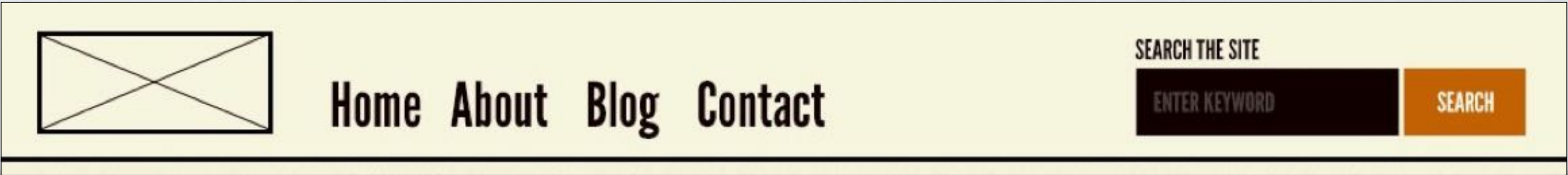
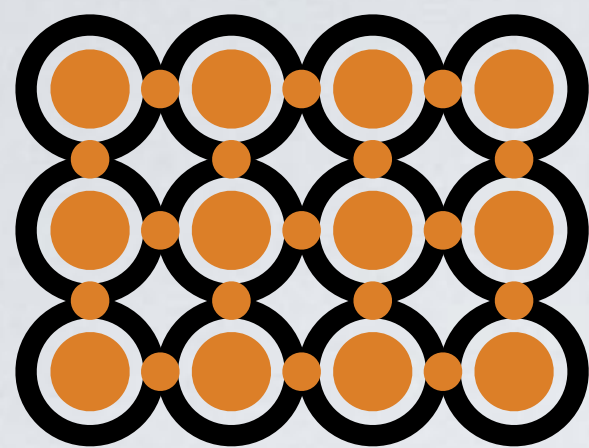
SEARCH THE SITE

ENTER KEYWORD

SEARCH

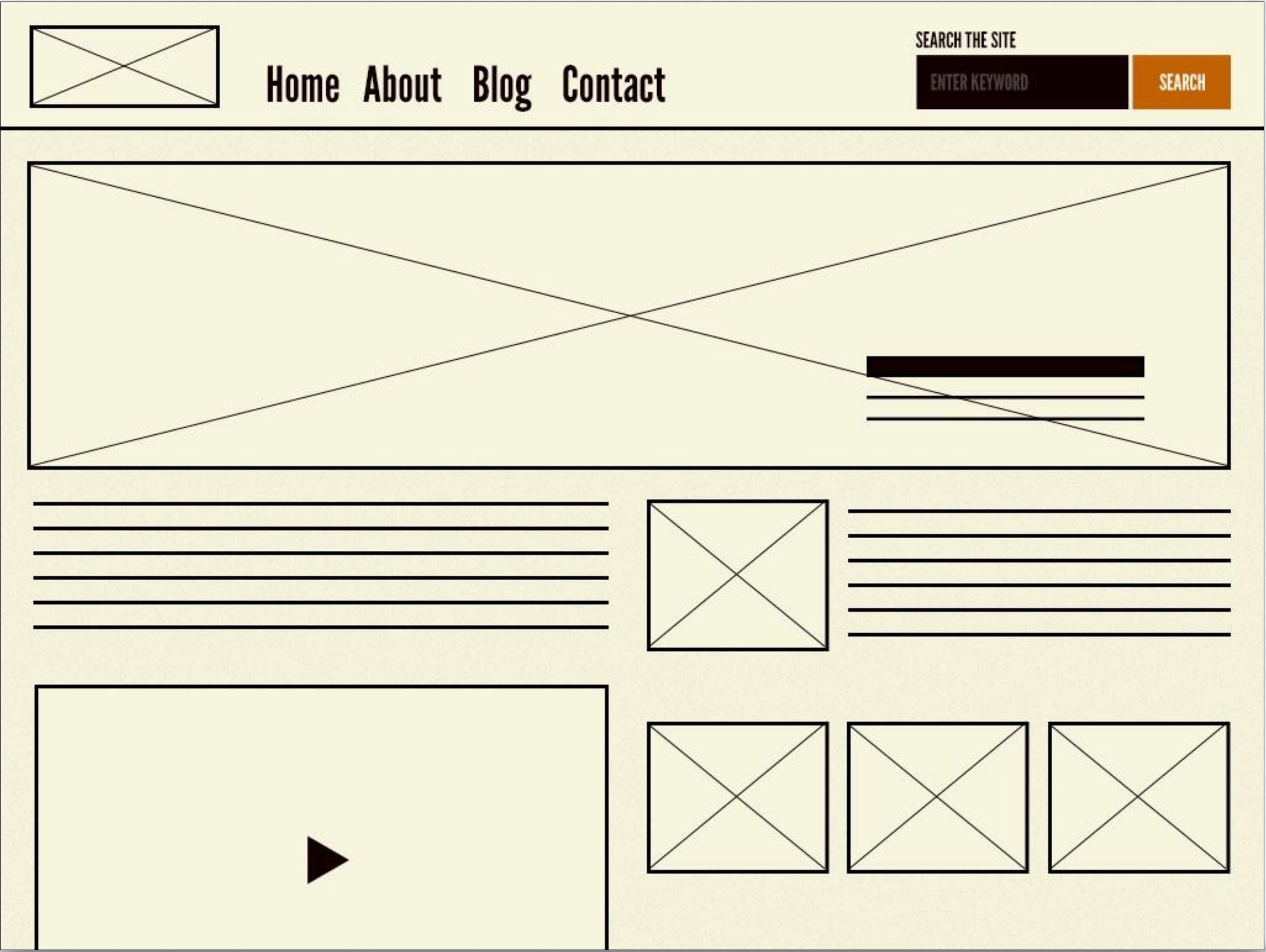
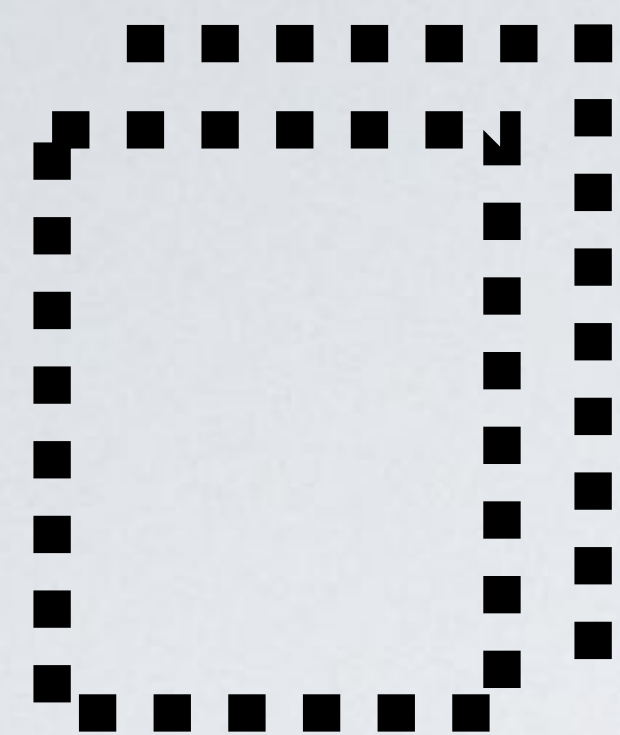


# ORGANISMS



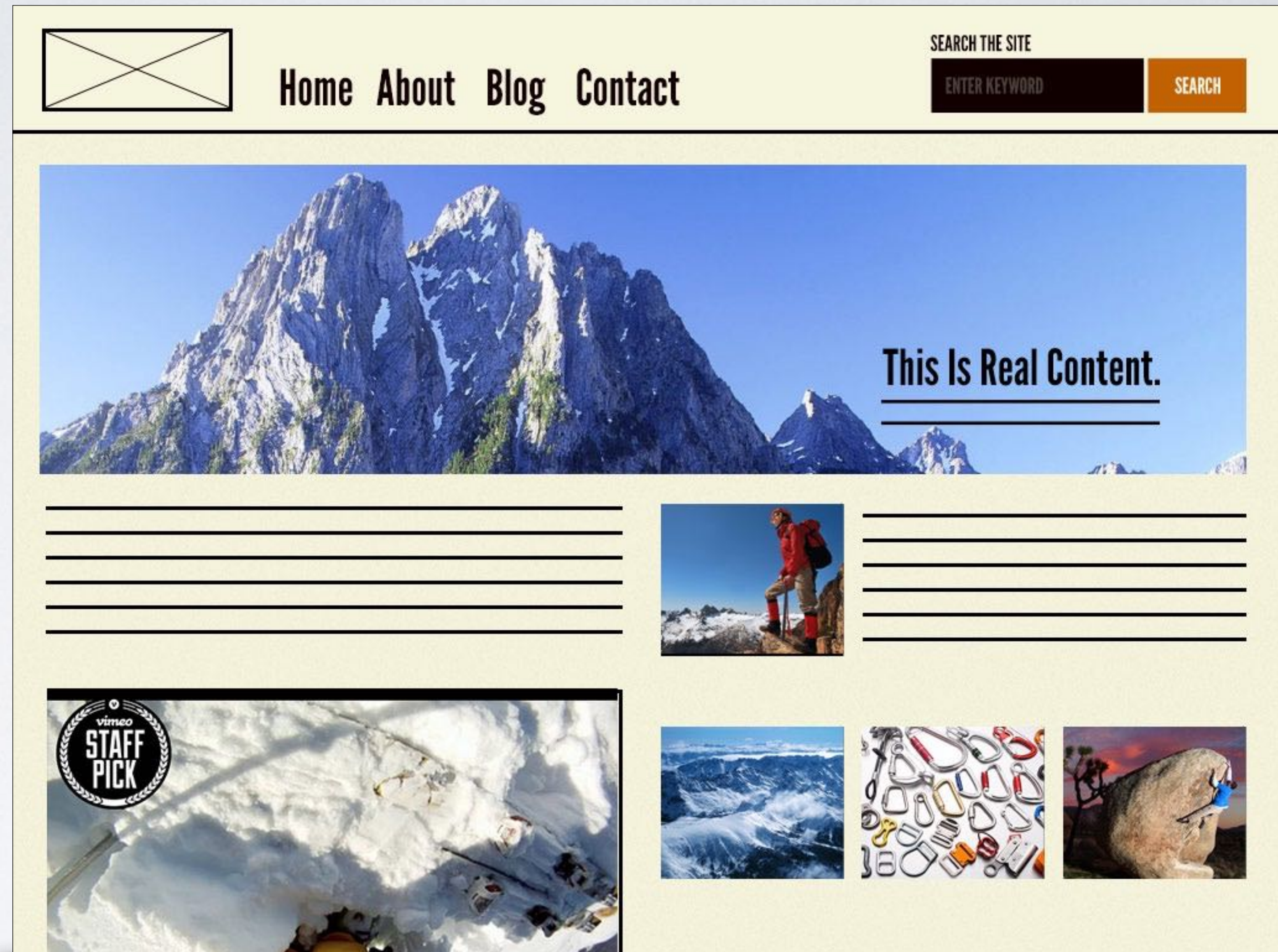
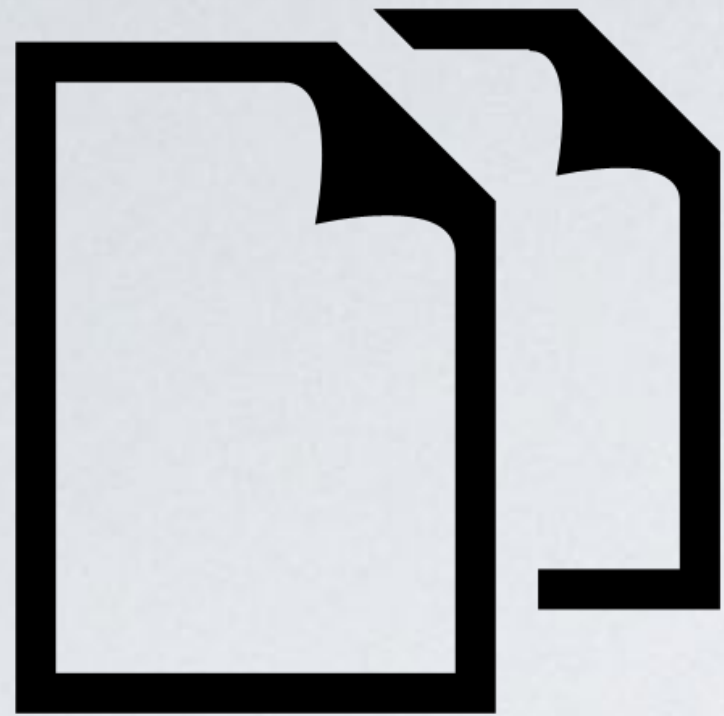


# TEMPLATES





# PAGES





# BEM FUNDAMENTALS

*Understanding BEM in just 2 minutes*



Is a **naming convention**  
for classes in HTML and CSS

**B E M**

**B**lock **E**lement **M**odifier

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Developed by the team at Yandex.

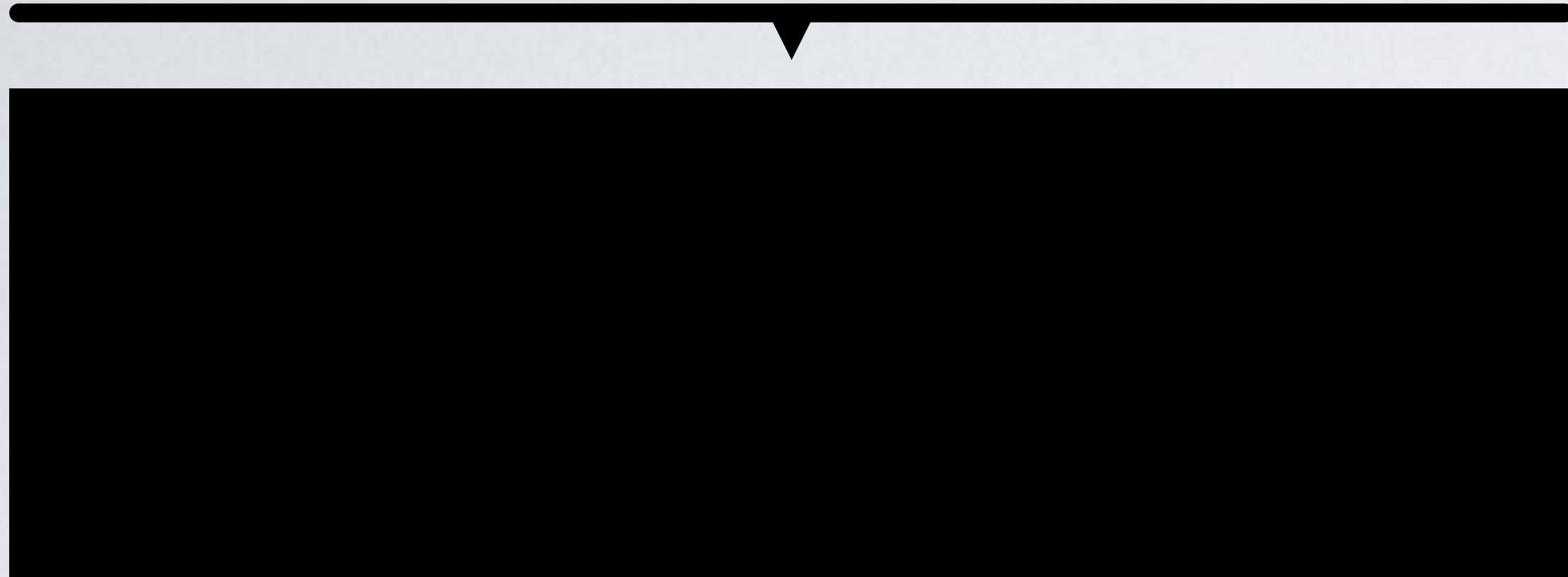


# BEM

**BLOCK:** Encapsulates a standalone entity that is meaningful on its own. While blocks can be nested and interact with each other, semantically they remain equal; there is no precedence or hierarchy.



# BLOCK



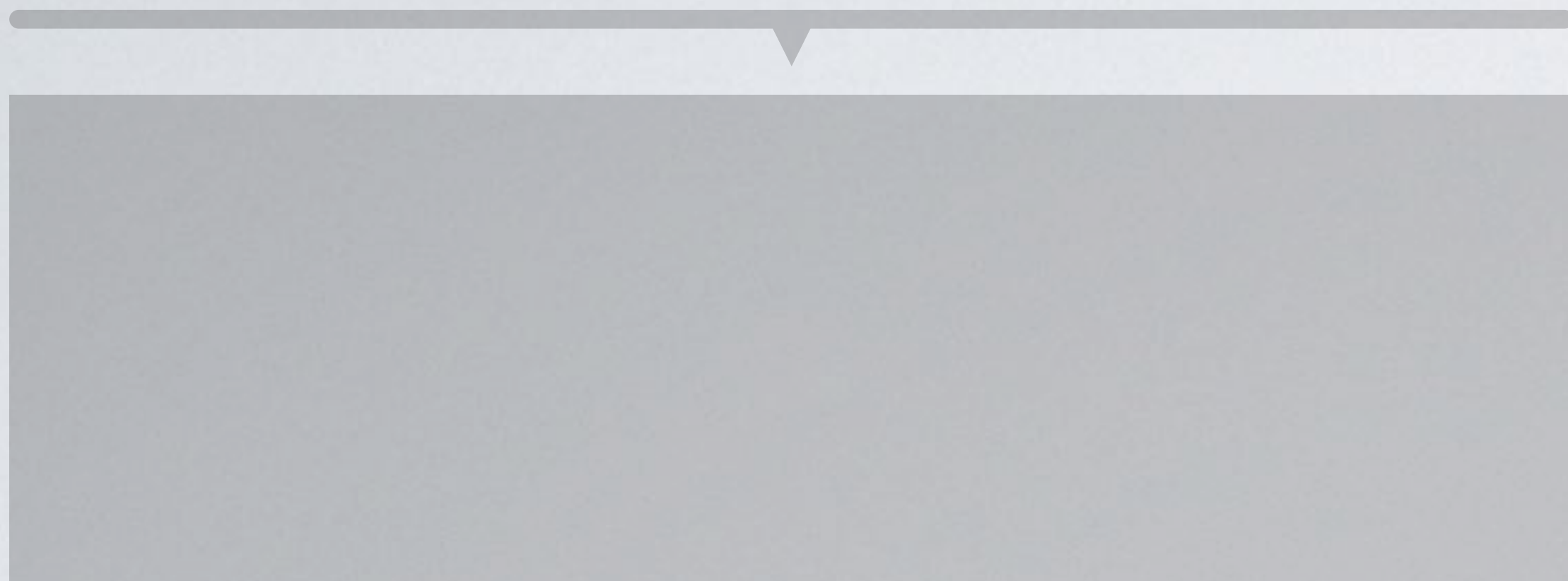


# B E M

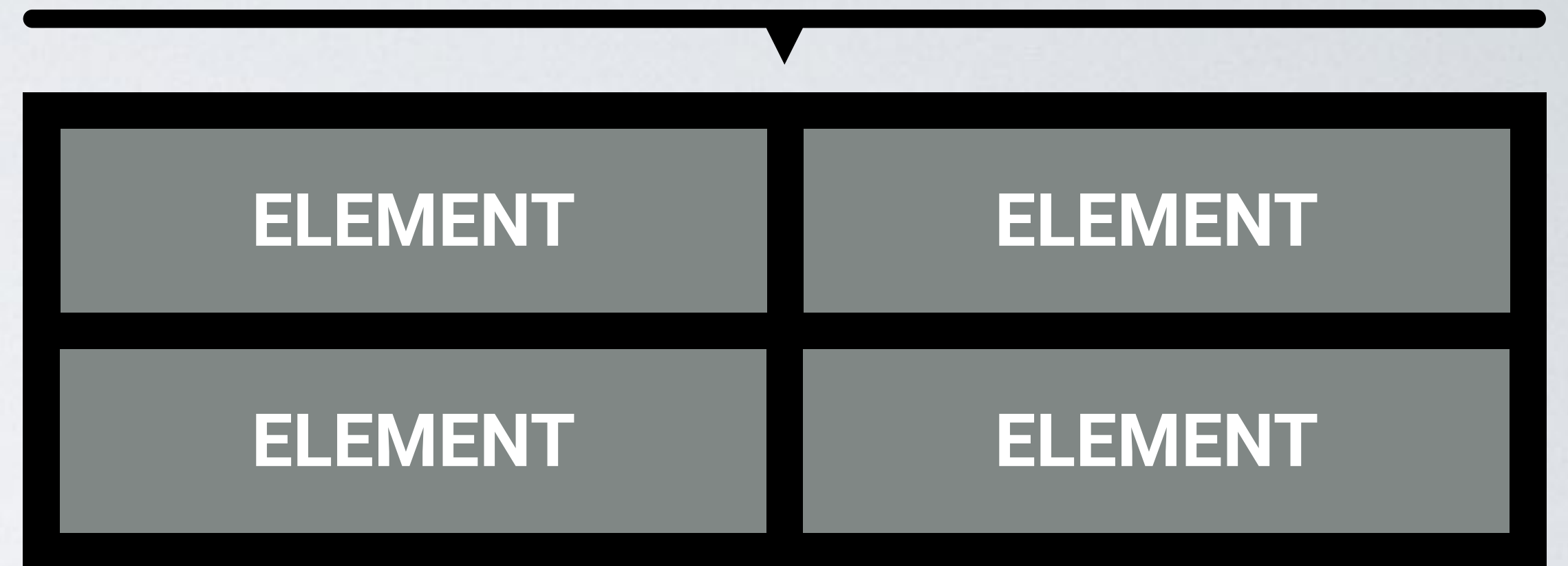
**ELEMENT:** Parts of a block and have no standalone meaning. Any element is semantically tied to its block.



**BLOCK**



**BLOCK**



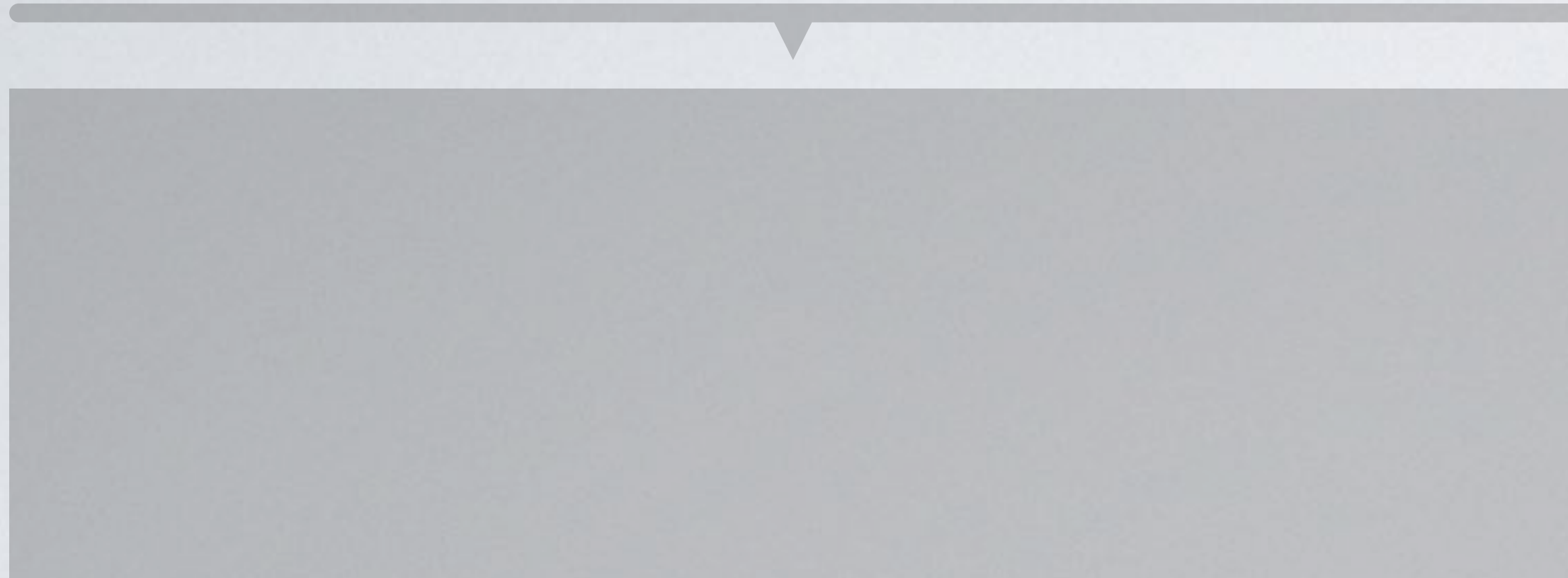


# BEM

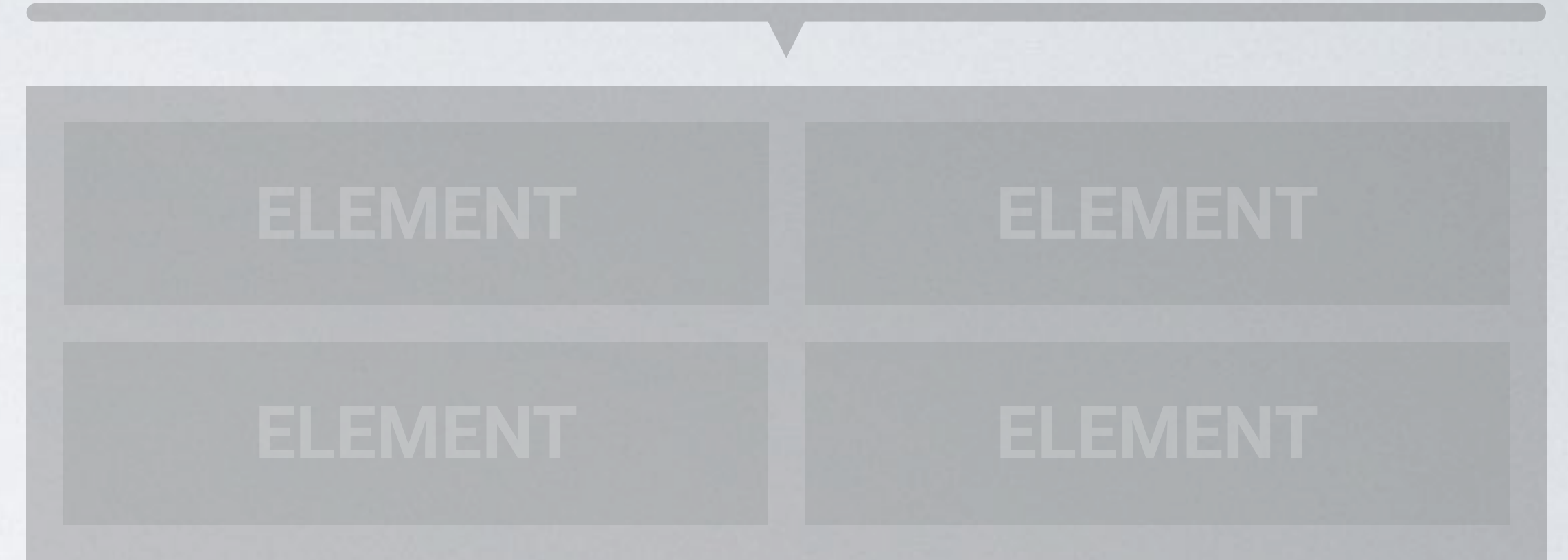
**MODIFIER:** Flags on blocks or elements. Use them to change appearance, behavior or state.



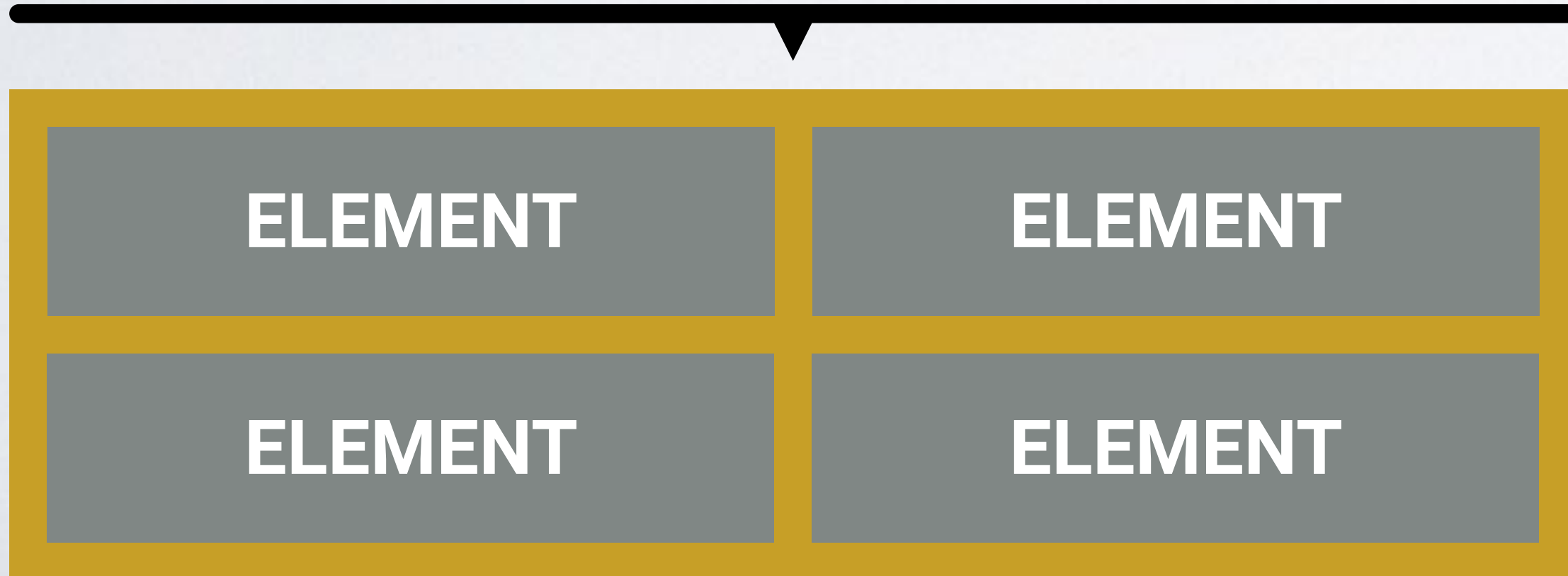
**BLOCK**



**BLOCK**

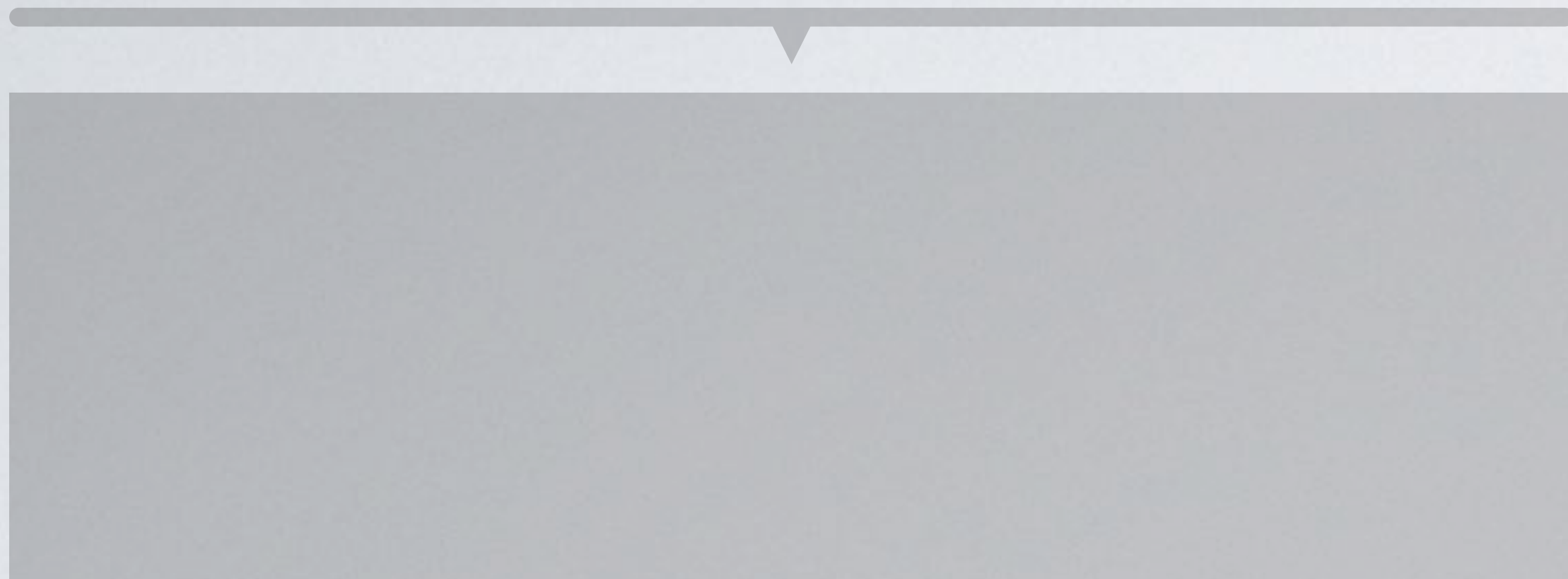


**BLOCK** + MODIFIER

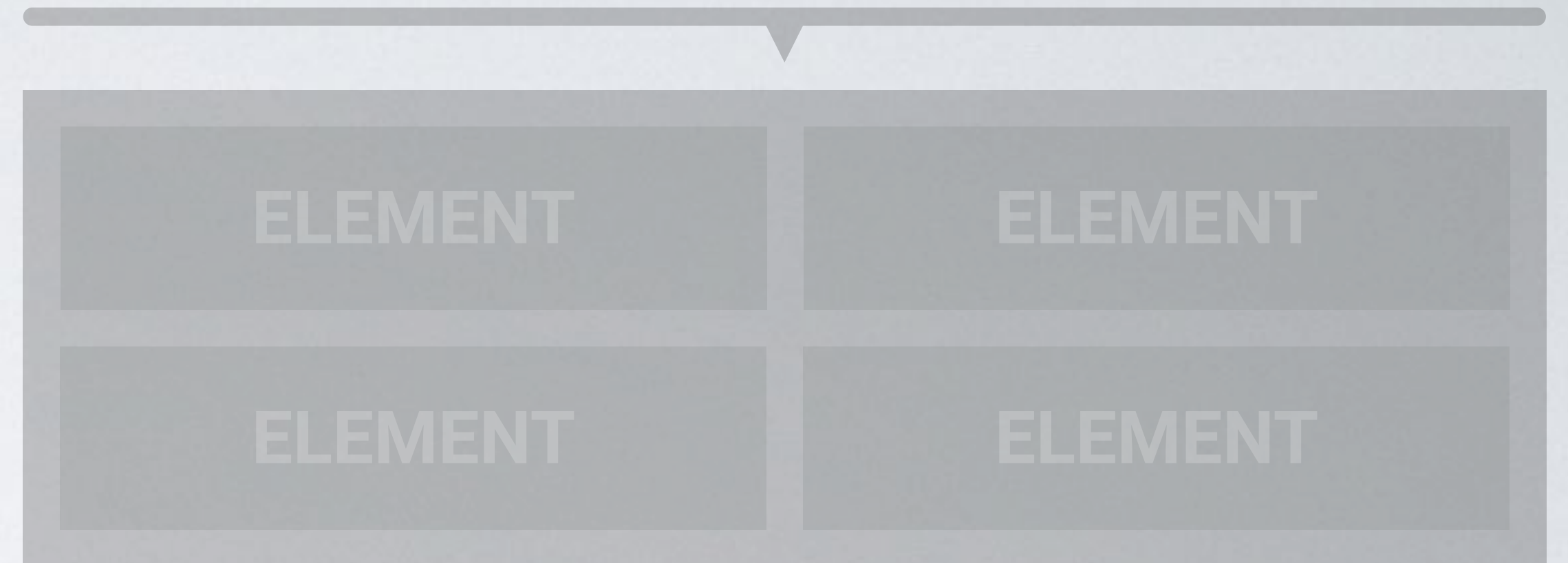




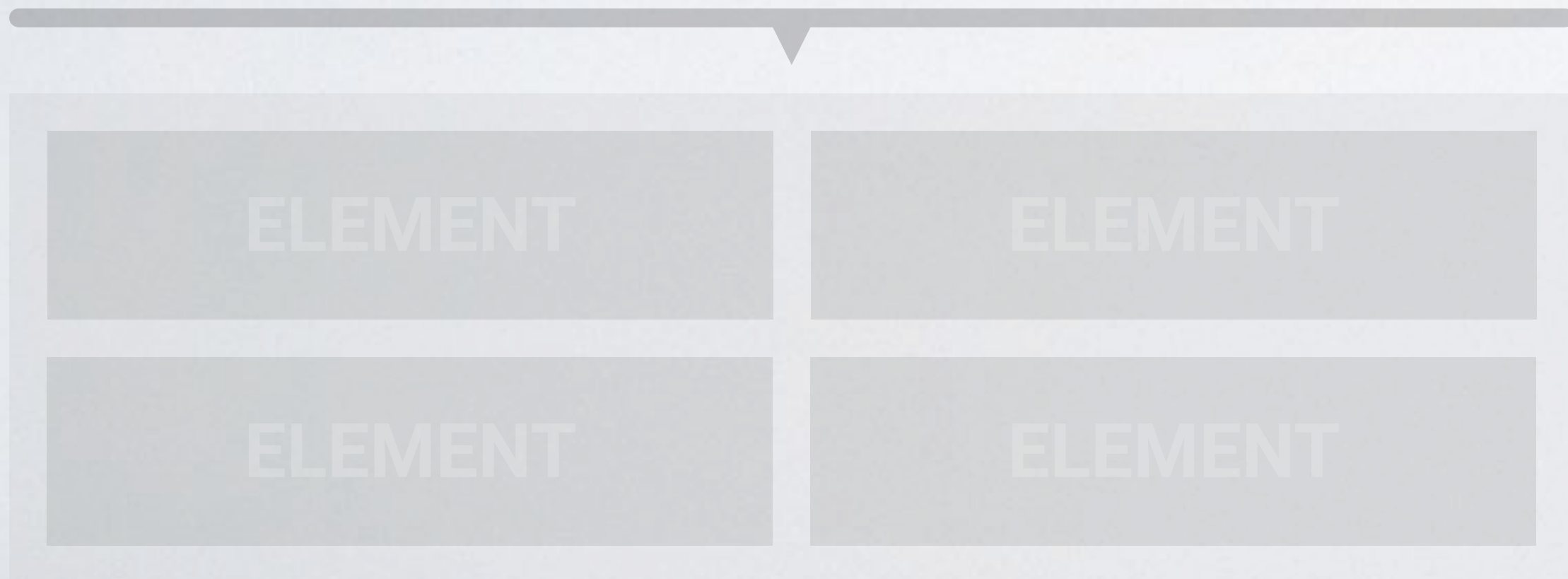
BLOCK



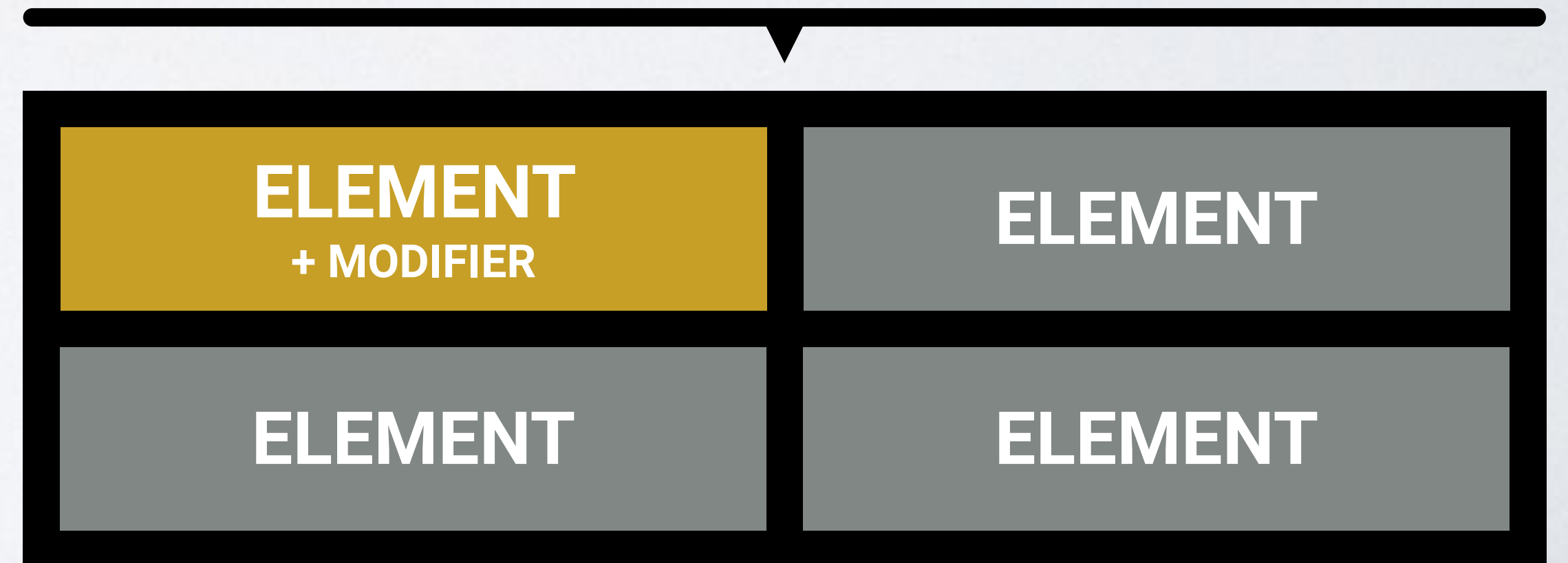
BLOCK



BLOCK + MODIFIER



BLOCK





# QUICK EXAMPLE

*How it works with a real example*



\$150

SUBSCRIBE NOW



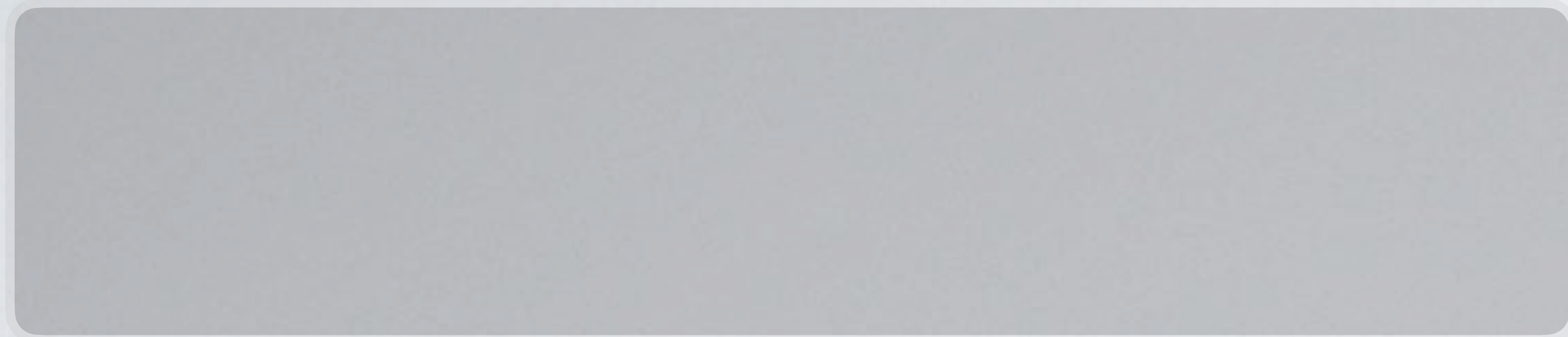
# BLOCK: btn

---





**BLOCK: btn**



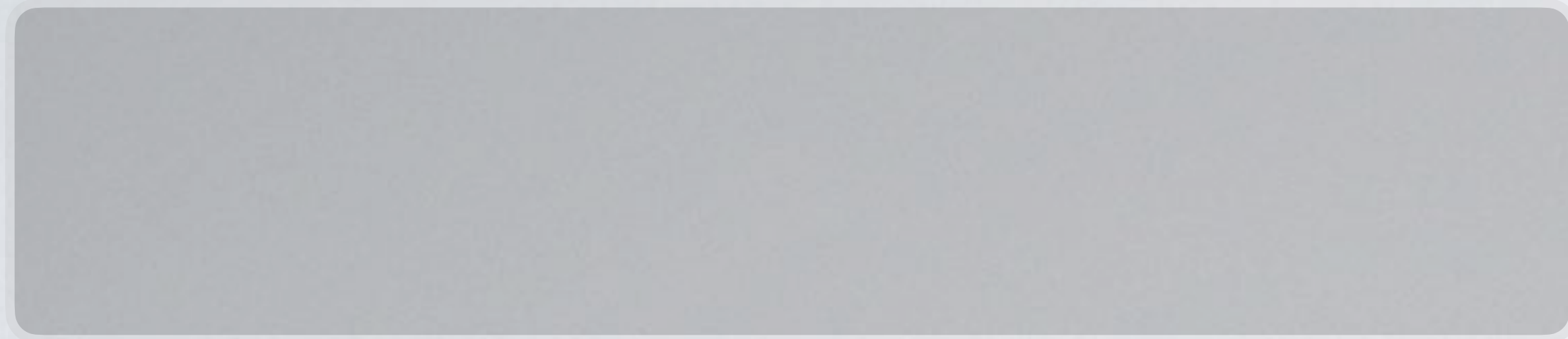
**BLOCK: btn**



**ELEMENT: price**

**ELEMENT: text**

**BLOCK: btn**



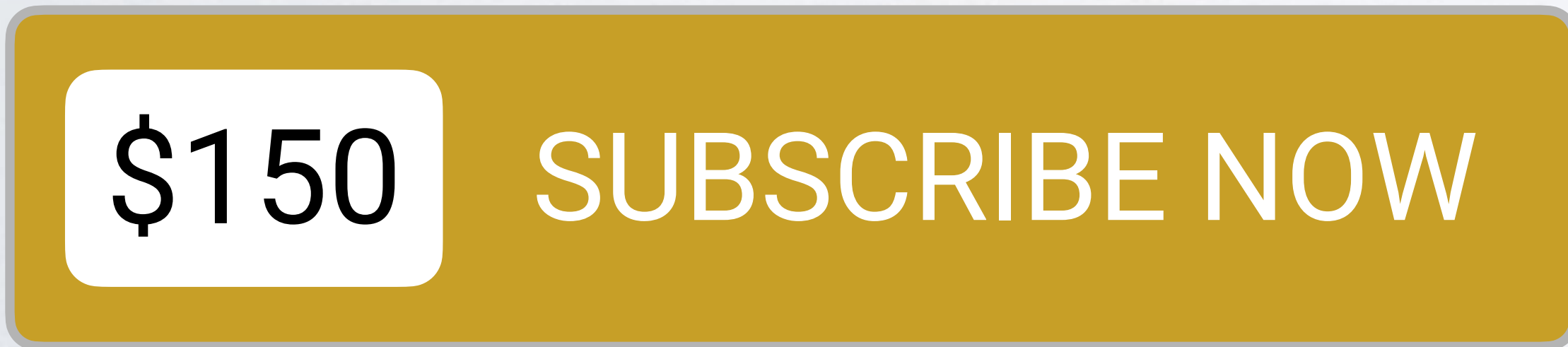
**BLOCK: btn**



**ELEMENT: price**

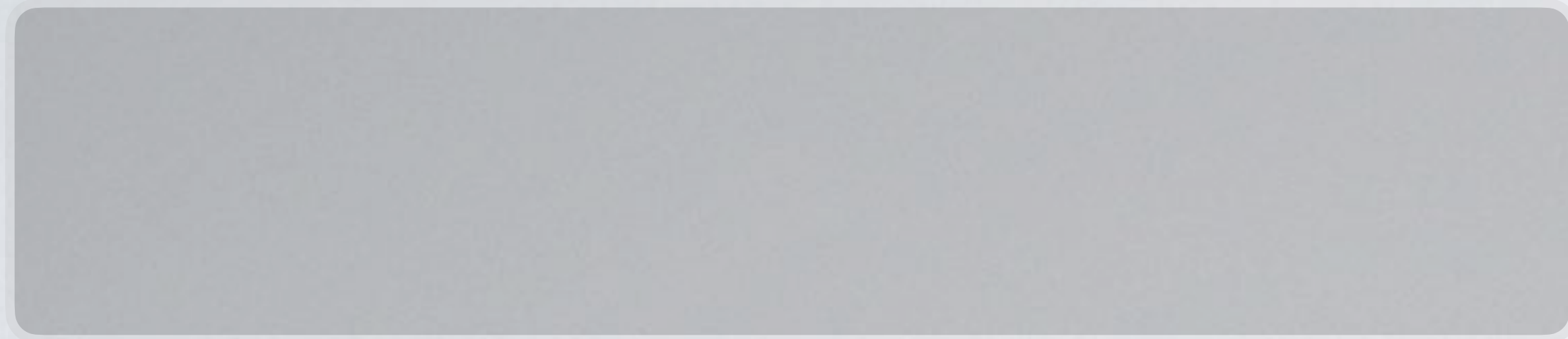
**ELEMENT: text**

**BLOCK: btn + MODIFIER**





**BLOCK: btn**



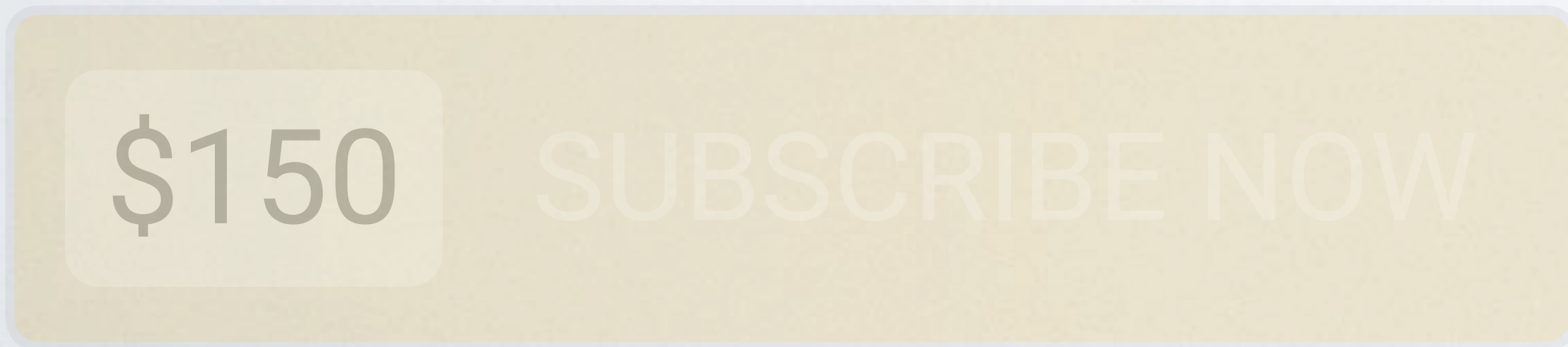
**BLOCK: btn**



ELEMENT: price

ELEMENT: text

**BLOCK: btn** + MODIFIER



**BLOCK: btn**



**ELEMENT + MODIFIER**



# LET'S CODE

*BEM syntax you can start using right now*



# BEM SYNTAX

## BLOCKS

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**.block**

Examples: `.btn` or `.login-form`

## ELEMENTS

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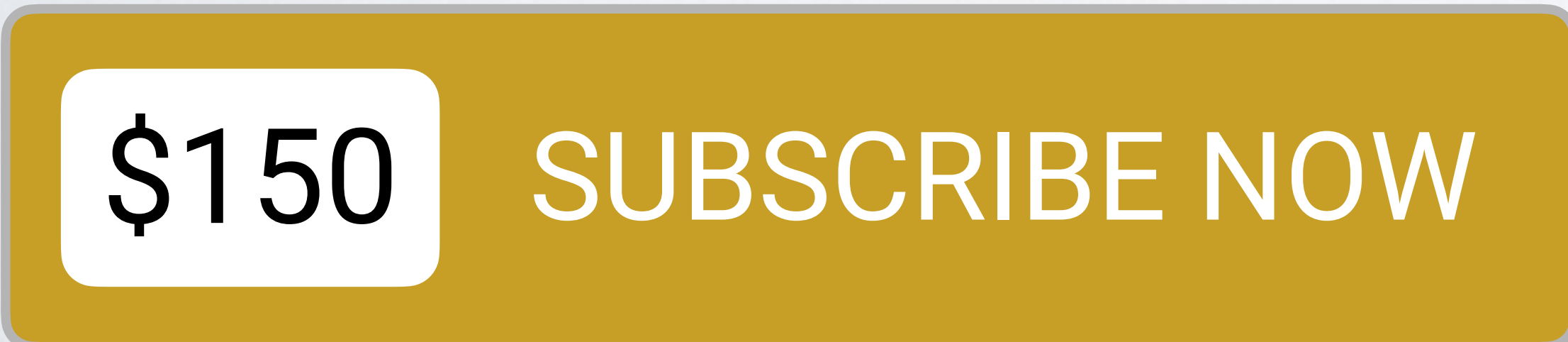


**.block\_\_element**

Examples: `.btn__price` or `.btn__text`

## MODIFIERS

---



**.block--modifier**

Examples: `.btn--important`

**.block\_\_element--modifier**

Examples: `.btn__text--important`

# BLOCK: btn

---



## CSS

```
styles.css
/* Block */
.btn { styles here }
```

## HTML

```
index.html
<a href="#" class="btn"></a>
```



## BLOCK: btn



ELEMENT: price

ELEMENT: text

## CSS

```
styles.css

/* Block */
.btn { styles here }

/* Elements: depend upon the block */
.btn__price { styles here }
.btn__text { styles here }
```

## HTML

```
index.html

<a href="#" class="btn">
  <span class="btn__price">$150</span>
  <span class="btn__text">Subscribe now</span>
</a>
```



## BLOCK: btn

\$150

SUBSCRIBE NOW

## CSS

```
styles.css

/* Block */
.btn { styles here }

/* Elements: depend upon the block */
.btn__price { styles here }
.btn__text { styles here }

/* Modifier: change the style of the block */
.btn--important { styles here }
```

## HTML

```
index.html

<a href="#" class="btn btn--important">
  <span class="btn__price">$150</span>
  <span class="btn__text">Subscribe now</span>
</a>
```



## BLOCK: btn

\$150 SUBSCRIBE NOW

## CSS

```
styles.css

/* Block */
.btn { styles here }

/* Elements: depend upon the block */
.btn__price { styles here }
.btn__text { styles here }

/* Modifier: change the style of the element */
.btn__text--important { styles here }
```

## HTML

```
index.html

<a href="subscribe.html" class="btn">
  <span class="btn__price">$150</span>
  <span class="btn__text btn__text--important">Subscribe
  now</span>
</a>
```

# USEFUL REFERENCES

## **BEM METHODOLOGY: NAMING CONVENTION**

The BEM methodology provides an idea for creating naming rules and implements that idea in its canonical CSS selector naming convention.

[bem.info/methodology/naming-convention](https://bem.info/methodology/naming-convention)

## **CONVENTION BY HARRY ROBERTS**

"BEM-like" convention of CSS Guidelines by Harry Roberts.

[bem.info/toolbox/sdk/bem-naming/#convention-by-harry-roberts](https://bem.info/toolbox/sdk/bem-naming/#convention-by-harry-roberts)



CSS

CSS FUNDAMENTALS

# Selectors

## Simple

(BEM - NAMING CONVENTION FOR CLASSES)



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