

BEM

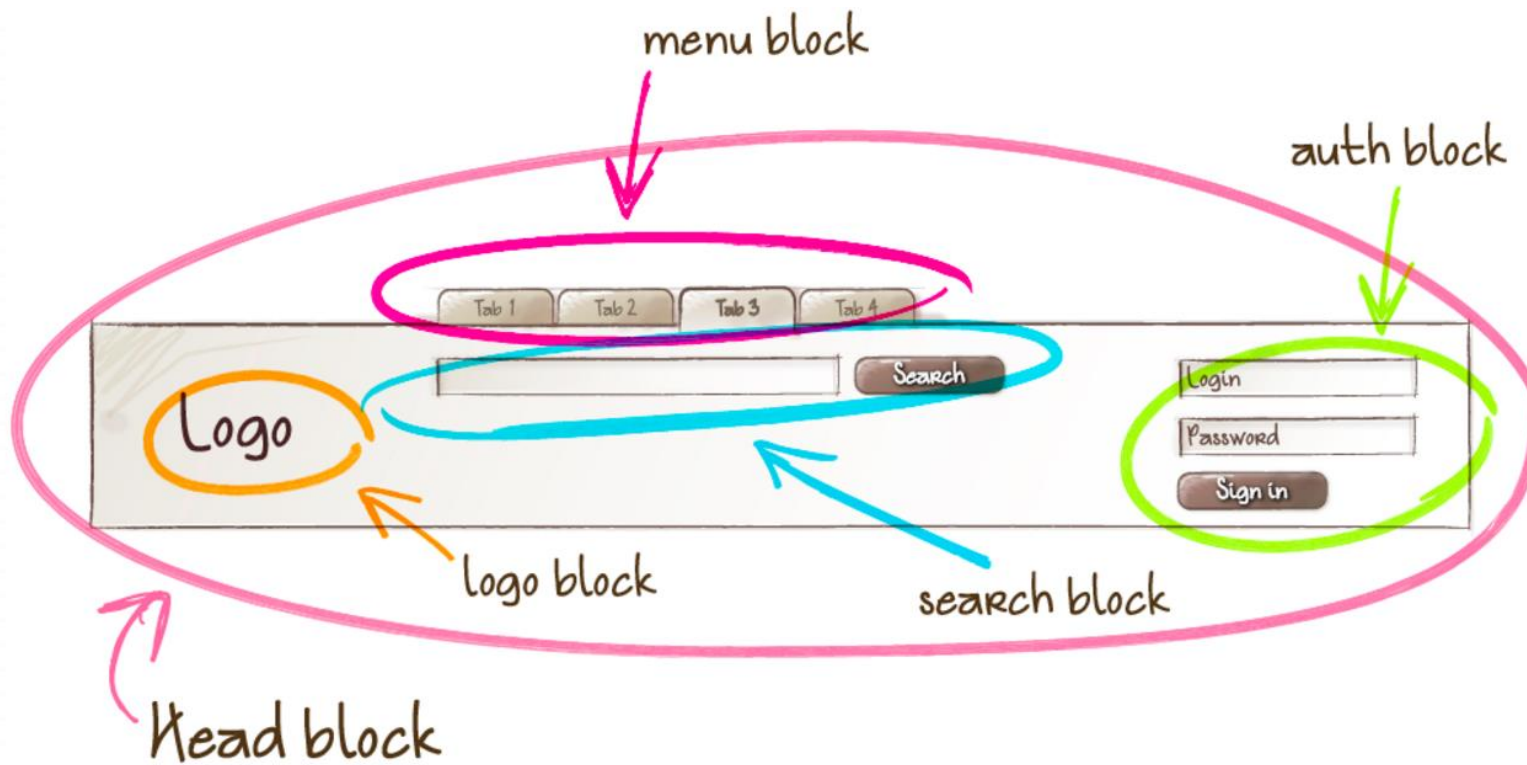
Block Element Modifier

BEM

- Block Element Modifier
- Naming convention
- FAQ

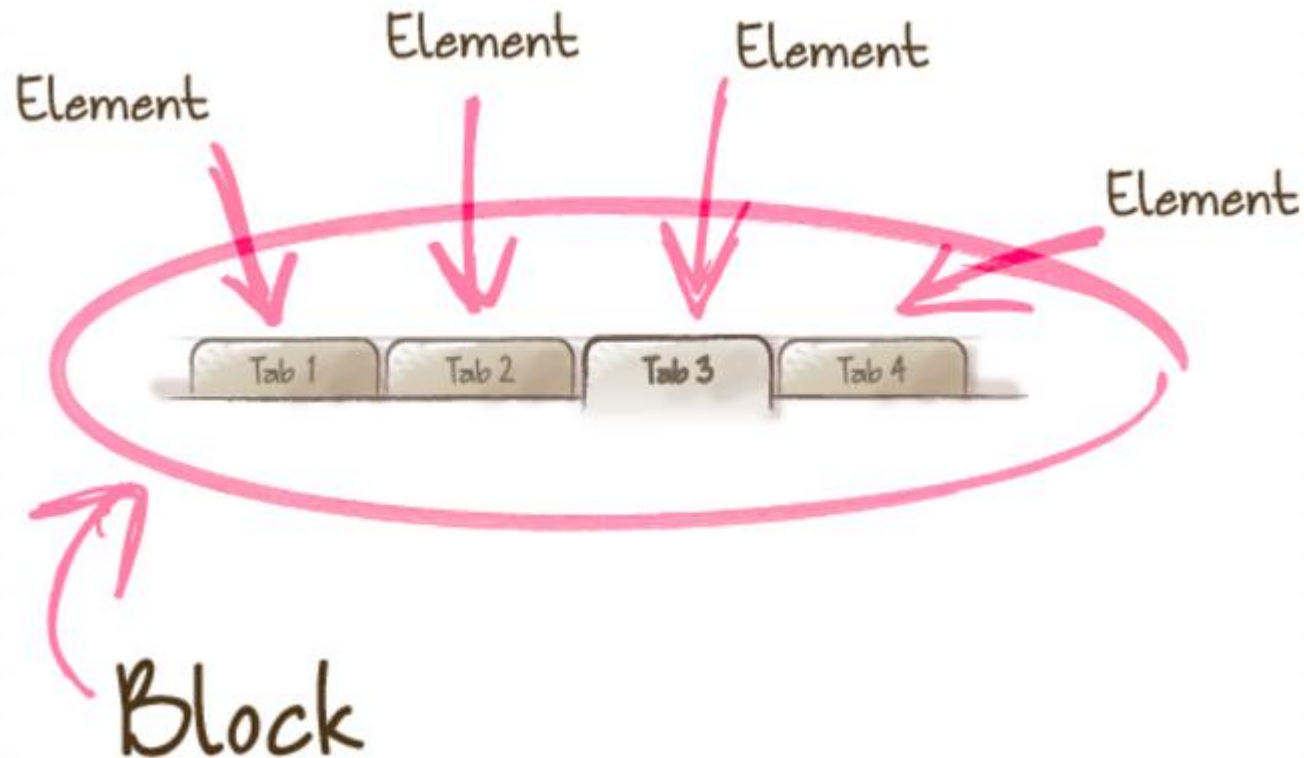
Block

- Standalone entity that is meaningful on its own



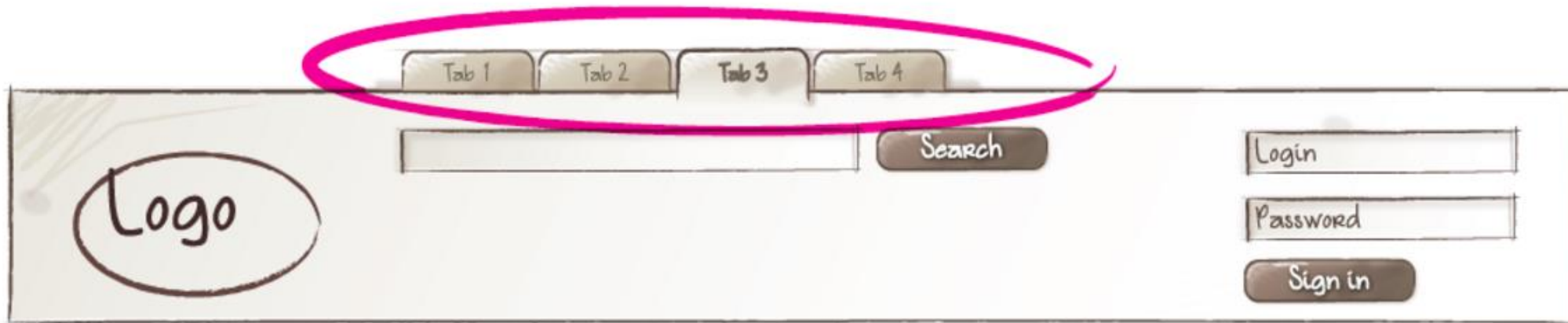
Element

- A part of a block
- Semantically tied to its block



Modifier

- A flag on a block or element



Block & Element

```
.block-name { /* style */ }  
.block-name__elem1 { /* style */ }  
.block-name__elem2 { /* style */ }  
.block-name__elem3 { /* style */ }
```

```
<div class="block-name">  
  <div class="block-name__elem1">  
    <div class="block-name__elem2">  
      <div class="block-name__elem3"></div>  
    </div>  
  </div>  
</div>
```

Block & Element

```
.block-name { /* style */ }  
.block-name__elem1 { /* style */ }  
.block-name__elem2 { /* style */ }  
.block-name__elem3 { /* style */ }
```

```
<div class="block-name">  
  <div class="block-name__elem1">  
    <div class="block-name__elem2">  
      <div class="block-name__elem3"></div>  
    </div>  
  </div>  
</div>
```

```
.block-name { /* style */ }  
.block-name__elem1 { /* style */ }  
.block-name__elem1__elem2 { /* style */ }  
.block-name__elem1__elem2__elem3 { /* style */ }
```

```
<div class="block">  
  <div class="block__elem1">  
    <div class="block__elem1__elem2">  
      <div class="block__elem1__elem2__elem3"></div>  
    </div>  
  </div>  
</div>
```


Block & Element

```
.block-name { /* style */ }  
.block-name__elem1 { /* style */ }  
.block-name__elem2 { /* style */ }  
.block-name__elem3 { /* style */ }
```

```
<div class="block-name">  
  <div class="block-name__elem1">  
    <div class="block-name__elem2"></div>  
  </div>  
  <div class="block-name__elem3"></div>  
</div>
```

Block & Element

```
.block-name { /* style */ }  
.block-name__elem1 { /* style */ }  
.block-name__elem2 { /* style */ }  
.block-name__elem3 { /* style */ }
```

```
<div class="block-name">  
  <div class="block-name__elem1">  
    <div class="block-name__elem2"></div>  
  </div>  
  <div class="block-name__elem3"></div>  
</div>
```

```
.block-name { /* style */ }  
.block-name__elem1 { /* style */ }  
.block-name__elem1__elem2 { /* style */ }  
.block-name__elem1__elem2__elem3 { /* style */ }
```

```
<div class="block">  
  <div class="block__elem1">  
    <div class="block__elem1__elem2"></div>  
  </div>  
  <div class="block__elem3"></div>  
</div>
```

Mix

```
.search-form { /* style */ }  
  
.header { /* style */ }  
.header__search-form { /* style */ }
```

```
<div class="header">  
  <div class="header__search-form search-form"></div>  
</div>  
  
<!-- in other place -->  
<div class="search-form"></div>
```

Block or Element?

- **Block**

- might be reused
- doesn't depend on other page components

- **Element**

- can't be used separately without the parent entity (the block)

Exception:

elements need to be divided into smaller parts
→ create a service block

Modifier

- Boolean modifiers

```
<div class="button button_disable"></div>

<div class="menu__item
      menu__item_selected"></div>
```

```
.button { /* style */ }
.button_disable { /* style */ }

.menu__item { /* style */ }
.menu__item_selected { /* style */ }
```

- Key-value type modifiers

```
<div class="content
      content_theme_default
      content_text-color_darkblue
      content_font-size_4XL"></div>
```

Two dash style

- No key-value type modifiers

```
<div class="content  
    content--theme-default  
    content--text-color-darkblue  
    content--font-size-4XL"></div>
```

```
<button class="form__button  
    form__button--color-blue  
    form__button--size-large  
    form__button--disable">Don't click me!</button>
```

FAQ

- **Why include the block name?**
 - Namespace
 - Mixes
 - Code searching

FAQ

- **Global modifier?**

- No
- Any modifier always belongs to one specific BEM entity
- Maybe create a separate block and using mixes

```
<div class="block1 block2"></div>
```


FAQ

- Avoid using nested selectors
- Avoid using combined selectors
- Avoid combining tag and class selectors
- Avoid using CSS property as modifier

```
button.form__button {  
  font-size: 12px;  
}  
.form__button--large {  
  font-size: 20px;  
}
```