

HTTP 5221

Security & Accessibility

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How do we minimize risk?

- Plan it
 - Work with end user to gain an understanding
 - Create Requirements
- Build it
 - Using coding standards
 - Using modularization
 - Using production tools & frameworks
- Test it
 - Unit testing through to user testing
- Protect it
 - Back it up with Version Control
 - Encryption
 - Hacker prevention

CODING STANDARDS

Lesson 2

STANDARDIZING HTML & CSS

The screenshot shows the W3C Markup Validation Service interface in a web browser. The browser's address bar shows the URL <https://validator.w3.org>. The page has a blue header with the W3C logo and the text "Markup Validation Service". Below the header, there are three tabs: "Validate by URI", "Validate by File Upload", and "Validate by Direct Input". The "Validate by URI" tab is selected. Under this tab, there is a section titled "Validate by URI" with the instruction "Validate a document online:". Below this, there is a text input field labeled "Address:". To the right of the input field is a "Check" button. Below the input field, there is a link that says "More Options". Below the input field and the "Check" button, there is a paragraph of text: "This validator checks the [markup validity](#) of Web documents in HTML, XHTML, SMIL, MathML, etc. If you wish to validate specific content such as [RSS/Atom feeds](#) or [CSS stylesheets](#), [MobileOK content](#), or to [find broken links](#), there are [other validators and tools](#) available. As an alternative you can also try our [non-DTD-based validator](#)." Below this paragraph, there is the HP logo and the text: "The W3C validators are hosted on server technology donated by HP, and supported by community donations. [Donate](#) and help us build better tools for a better web." To the right of this text is a "Donate" button. Below the HP logo and the text, there is a "Flat" button. At the bottom of the page, there is a navigation bar with links: "Home", "About...", "News", "Docs", "Help & FAQ", "Feedback", and "Contribute". Below the navigation bar, there is a footer section with the W3C logo, the text "This service runs the W3C Markup Validator, v1.3.2hp", and a copyright notice: "COPYRIGHT © 1994-2013 W3C® (MIT, ERCIM, KEIO, BEHANG). ALL RIGHTS RESERVED. W3C LIABILITY, TRADEMARK, DOCUMENT USE AND SOFTWARE LICENSING RULES APPLY. YOUR INTERACTIONS WITH THIS SITE ARE IN ACCORDANCE WITH OUR PUBLIC AND MEMBER PRIVACY STATEMENTS." To the right of the footer section is a "VALIDATOR" button.

W3C® Markup Validation Service
Check the markup (HTML, XHTML, ...) of Web documents

Validate by URI Validate by File Upload Validate by Direct Input

Validate by URI

Validate a document online:

Address:

► More Options

Check

This validator checks the [markup validity](#) of Web documents in HTML, XHTML, SMIL, MathML, etc. If you wish to validate specific content such as [RSS/Atom feeds](#) or [CSS stylesheets](#), [MobileOK content](#), or to [find broken links](#), there are [other validators and tools](#) available. As an alternative you can also try our [non-DTD-based validator](#).

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Flat

Home About... News Docs Help & FAQ Feedback Contribute

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VALIDATOR

NAMING CONVENTIONS

BEM

Block-Element-Modifier

A naming convention developed by Yandex starting back in 2005.

BEM EXAMPLE

- Block
- Element
- Modifier

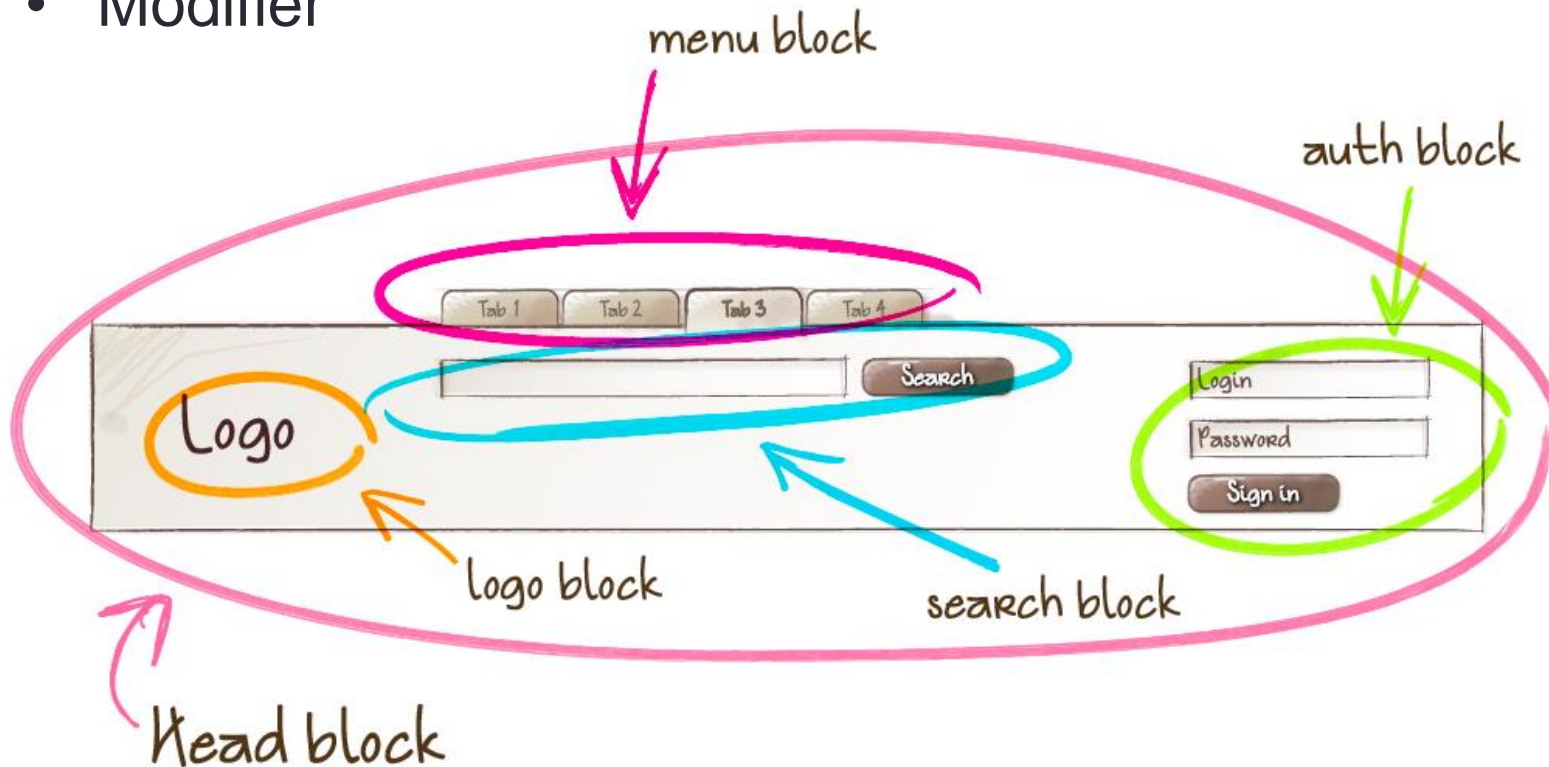
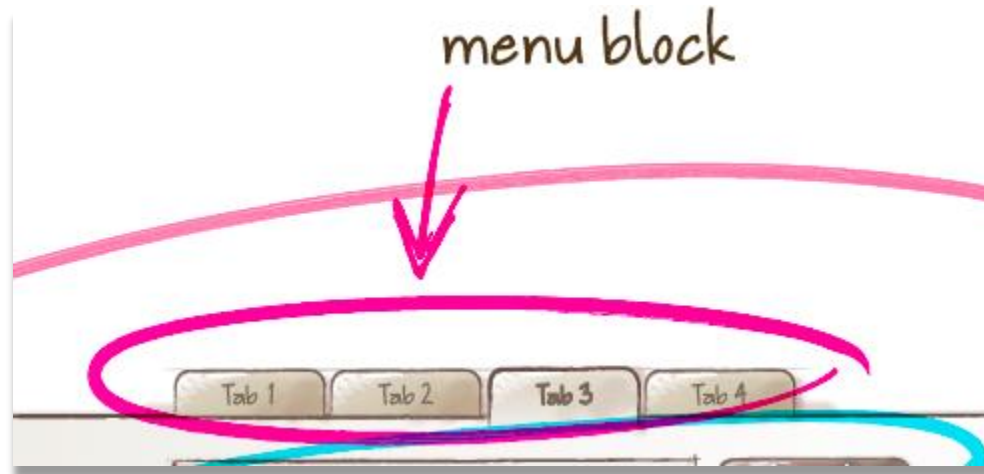


Image source: <https://en.bem.info/methodology/key-concepts/>

BEM IMPLEMENTATION

`block__element_modifier`



<code>.menu</code>	= block
<code>.menu__tab</code>	= element
<code>.menu__tab_selected</code>	= modifier

STANDARDIZING JAVASCRIPT

CODING STANDARDS

Lesson 2