WHAT IS FIREBUG?

- HTML DOM Inspector
- browser JS console
- JS debugger
- much more...

- Firefox add-on
  - formerly
    - now part of Firefox developer tools
- Chrome extension
  - Firebug Lite
HISTORY

- 2006 – version 0.2 - single tab with JS console and AJAX logging
  - 0.3 – HTML tree editor
- 2007 – open-source
- 2010 – Firebug Lite for Chrome
- 2011 – boom of Firebug extensions
  - “We need to go deeper”
- 2016 – incorporation of Firebug into Firefox dev-tools
TABS

- HTML inspector
- JS console
- JS debugger
- CSS editor
- Performance and memory monitors
- Network usage monitor
- Storage usage monitor
HTML INSPECTOR

- HTML syntax highlighting, clickable links
- "Inspect element" (right-click, Q)
- actual elements highlighted on hover in tree
- CSS editor with animation support
- responsive design mode
JS CONSOLE

- full-fledged console within the page environment
- interactive elements retrieved by function calls

```javascript
2+2
4
```

```html
<a id="hint_predmety" href="predmety/index.php?KEY=Al" style="display: block; float: left; padding: 1px; margin: 0px; width: 200px; height: 36px; overflow: hidden"> </a>
```
JS DEBUGGER

- tree of source files
- editor with JS syntax highlighting
- watches, breakpoints
CSS EDITOR

- list of stylesheets
- CSS editor with syntax highlighting
PERFORMANCE MONITOR

- record performance of browser
  - scripts, CSS anims, ...
- then analyze recorded stats
MEMORY USAGE MONITOR

- take snapshots of memory usage
NETWORK USAGE MONITOR

- list of all network requests made when loading page
- debug redirects, profile page loading
STORAGE USAGE MONITOR

- list of all local storage which the site uses
  - cookies, cache, ...