

## Web-based source code editor

### What we want

- [http://en.wikipedia.org/wiki/Comparison\\_of\\_JavaScript-based\\_source\\_code\\_editors](http://en.wikipedia.org/wiki/Comparison_of_JavaScript-based_source_code_editors)
- With realtime [Syntax highlighting](#)
- Compatible with our [License](#)
- Support for PHP, JavaScript, HTML, CSS, MySQL, Smarty, YAML so we can Dogfood within Tiki.
- Support for other popular languages (Python, Java, etc.)
- Possible to add syntaxes, such as Tiki markup so we can do something like [WikiWizard](#)
- Ideally will open the door to [Web commits](#)
- To find an open source project happy to be integrated in Tiki and that could help us.

### Wishes

#### Open

Rating	Subject	Submitted by	Importance	Easy to solve?	Priority	Category	Volunteered to solve	Created	LastModif	Comments
● ★★☆☆ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ (0) 🗨	<a href="#">Upon select text and click toolbar plugin, CodeMirror activates itself and instead of insert at cursor, we get insert at top</a>	Marc Laporte	10 high	5	50	• Dogfood on a *.tiki.org site • Regression • Conflict of two features (each works well independently)		2014-02-22	2014-07-29	0
● ★★☆☆ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ (0) 🗨	<a href="#">Doc, Plugins, Codemirror; The colors parameter displayed as example don't do anything (anymore) code mirror disabled ?</a>	Bernard Sfez / Tiki Specialist	5	10 easy	50	• Dogfood on a *.tiki.org site • Regression		2023-01-01	2023-01-01	1 Bsfez-01 Jan 23
● ★★☆☆ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ (0) 🗨	<a href="#">Multiple code plugins on a single WYSIWYG page not correctly parsed</a>	mekko	8		40	• Error		2013-11-24	2013-11-25	5 mekko-26 Nov 13
● ★★☆☆ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ (0) 🗨	<a href="#">syntax highlighting works OK for all langs in editor, but produced / viewed pages only work with "php", all other langs are mono-colored.</a>	RadoS	8		40	• Error		2016-12-27	2016-12-27	0

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● ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ (0)	<a href="#">CodeMirror problems</a>	Jonny Bradley	4	1 difficult	4	• Regression	Jonny Bradley	2013-11-14	2013-12-06	0
● ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ (0)	<a href="#">Avoid huge pages which force horizontal scrolling (CodeMirror, PluginCODE, etc)</a>	Marc Laporte	5	7	35	• Usability • Dogfood on a *.tiki.org site • Consistency • Conflict of two features (each works well independently)		2011-10-09	2013-10-28	1 marclaporte-10 Oct 11
● ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ (0)	<a href="#">Wiki Edits in 18.x-20.x with mobile devices duplicate some trailing chars from strings when Codemirror is on</a>	Xavier de Pedro	7	5	35	• Error • Regression		2018-05-14	2019-07-06	0
● ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ (1)	<a href="#">Allow end user to switch codemirror on in tracker field textareas when the site feature allows</a>	Xavier de Pedro	4	8	32	• Usability • Dogfood on a *.tiki.org site • Consistency		2013-12-14	2014-09-21	0
● ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ ★★★ (0)	<a href="#">Browser search fails to find some term occurences in CodeMirror text areas</a>	Philippe Cloutier	6		30	• Bug		2017-09-27	2017-10-03	3 Chealer9-26 Apr 19

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● ★★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ (0) 🗉	<a href="#">Codemirror treats 2 hyphens used for an em-dash as a strikeout</a>	DavidBright	7	4	28	<ul style="list-style-type: none"> <li>Usability</li> <li>Patch</li> <li>Less than 30-minutes fix</li> </ul>		2012-07-11	2014-08-10	2 pianoliv-13 Sep 13
● ★★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ (0) 🗉	<a href="#">CodeMirror: deduplicate Tiki mode code</a>	Marc Laporte	5	5	25	<ul style="list-style-type: none"> <li>Feature request</li> </ul>		2013-11-17	2013-11-17	0
● ★★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ (0) 🗉	<a href="#">Eval error in event debug console in IE</a>	luciash d' being []			25	<ul style="list-style-type: none"> <li>Error</li> </ul>		2015-02-18	2015-02-18	0
● ★★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ (0) 🗉	<a href="#">inline syntax highlighting of CODE plugin</a>	drsassafras			25	<ul style="list-style-type: none"> <li>Feature request</li> </ul>		2017-05-31	2017-06-02	0
● ★★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ ★★★★ (0) 🗉	<a href="#">Searching for content highlights the chosen language in search term text as well</a>	Andrain	5	5	25	<ul style="list-style-type: none"> <li>Usability</li> <li>Bug</li> </ul>		2017-09-06	2017-09-06	0

Rating	Subject	Submitted by	Importance	Easy to solve?	Priority	Category	Volunteered to solve	Created	LastModif	Comments
● ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ (0) ⓘ	13.x: Contents of Plugin Code shown twice when shown through an iframe (the Upgrade Wizard uses that to display some doc.t.o pages)	Xavier de Pedro	4	6	24	• Community projects • Dogfood on a *.tiki.org site • Regression • Conflict of two features (each works well independently)		2014-08-14	2014-08-14	0
● ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ (0) ⓘ	Keep color highlighting from PluginCode at the mpdf printed version	Xavier de Pedro	4	5	20	• Feature request		2018-04-01	2018-04-01	0
● ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ (1) ⓘ	Codemirror: button to switch it on is hidden when first the editor is set to fullscreen	Xavier de Pedro	2	9	18	• Usability • Consistency		2013-12-14	2014-02-07	0

Pending

Rating	Subject	Submitted by	Importance	Easy to solve?	Priority	Category	Volunteered to solve	Created	LastModif	Comments
● ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ ★★★★★ (0) ⓘ	PluginCODE: Colors picker regression	Marc Laporte	8	8	64	• Regression		2013-11-04	2013-11-09	1 jonnybradley-05 Nov 13

Closed

Rating	Subject	Submitted by	Importance	Easy to solve?	Priority	Category	Volunteered to solve	Created	LastModif	Comments
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (0)	CodeMirror doesn't minify like everything else does	Marc Laporte	2	4	8	• Conflict of two features (each works well independently)		2014-08-10	2016-12-09	0
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (0)	Upgrade CodeMirror to latest stable version	Marc Laporte	7	9	63	• Feature request	manivannans	2013-09-08	2013-11-11	3 marclaporte-02 Nov 13
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (0)	Codemirror buttons not shown in edit page at dev.t.o 12.xr48321	Xavier de Pedro	6	8	48	• Regression	Jonny Bradley	2013-11-04	2013-11-20	2 xavi-20 Nov 13
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (0)	Comments to tracker items can't be posted when codemirror is on	Xavier de Pedro	6	6	36	• Usability • Dogfood on a *.tiki.org site • Regression		2016-10-11	2016-12-08	0
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (1)	12.x: can't post comments if codemirror is on (it says 'Content is empty')	Xavier de Pedro	7	5	35	• Error • Usability • Regression		2014-05-28	2014-07-13	0

Rating	Subject	Submitted by	Importance	Easy to solve?	Priority	Category	Volunteered to solve	Created	LastModif	Comments
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (0)	<a href="#">rtl in codemirror 3.16: scrollbar on the right should disappear</a>	Xavier de Pedro	4	8	32	• Usability		2013-11-02	2013-12-05	0
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (0)	<a href="#">Minify JavaScript breaks codemirror in doc.t.o 18.x</a>	Xavier de Pedro	4	8	32	• Error • Usability • Support request • Dogfood on a *tiki.org site • Regression • Conflict of two features (each works well independently)		2018-04-01	2018-07-19	1 marclaporte-19 Jul 18
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (0)	<a href="#">Codemirror is not showing links to switch the highlighter even if prefs is correctly set</a>	Xavier de Pedro	5	5	25	• Usability • Dogfood on a *tiki.org site • Regression		2021-07-29	2021-07-30	3 xavi-30 Jul 21
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (0)	<a href="#">CodeMirror: too much white space in wiki source view</a>	Marc Laporte	3	7	21	• Consistency	manivannans	2013-11-12	2014-07-30	2 marclaporte-30 Jul 14
④ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ ★★ (0)	<a href="#">CodeMirror latest 12.x : Line numbering hides everything and puts huge line breaks</a>	Marc Laporte	4	4	16	• Regression	Jonny Bradley	2013-11-02	2013-12-05	3 marclaporte-17 Nov 13

Rating	Subject	Submitted by	Importance	Easy to solve?	Priority	Category	Volunteered to solve	Created	LastModif	Comments
④ ★★★★★ 1★★★★ ★★★★★ 1★★★★ ★★★★★ 1★★★★ ★★★★★ 1★★★★ ★★★★★ 1★★★★ (0) ④	GeSHi - Generic Syntax Highlighter for PluginCode should be in mods (and activated on *.tw.o sites)	Xavier de Pedro	3		15	<ul style="list-style-type: none"> <li>Usability</li> <li>Feature request</li> <li>Dogfood on a *.tiki.org site</li> </ul>		2007-08-07	2012-09-28	1 marclaporte-28 Sep 12
④ ★★★★★ 1★★★★ ★★★★★ 1★★★★ ★★★★★ 1★★★★ ★★★★★ 1★★★★ ★★★★★ 1★★★★ (1) ④	codemirror not switchable for new comments (but just for comment edition) even if preference correctly set	Xavier de Pedro	3	5	15	<ul style="list-style-type: none"> <li>Usability</li> <li>Regression</li> <li>Consistency</li> </ul>		2014-07-13	2014-12-04	0

Todo

1. ~~discuss~~
  - investigate project stats on [https://www.ohloh.net/tags/source/syntax\\_highlighter](https://www.ohloh.net/tags/source/syntax_highlighter)
2. ~~pick~~ CodeMirror has been picked
3. ~~contact project~~
4. integrate tightly
  - ~~Text areas~~ done
  - ~~Theme generator~~
  - ~~Edit CSS~~ -> Use CSS here: ~~tiki-edit\_css.php~~ done in 9.2
  - ~~Edit Templates~~ -> Use Smarty here: ~~tiki-edit\_templates.php~~
5. add syntaxes
  - ~~YAML~~, useful for ~~profiles~~ done
  - ~~Smarty~~ done
  - ~~Tiki syntax~~ done

Bugs

- 2013-01-31: 10.x Can't paste text (that is in my clipboard) with Android browser in comment box of a tracker item on dev.tiki.org. Workaround: Toggle highlighter
- 2012-09-29: Doing CTRL-F to find test on a page will not find all results. Workaround: Toggle highlighter
  - Try here: <http://profiles.tiki.org/tiki-editpage.php?page=CartoGraf> and find "attach". With CodeMirror, there are 2 results. If I click "Toggle Highlighter" to turn it off, I now have 7 results.
    - *Marijn Haverbeke on the mailing list wrote:*

*This is expected behavior. For performance reasons, CodeMirror only renders the part of the document that is visible. Thus, the browser won't search through the rest.*

*If this is a big issue for you, you can use the viewportMargin option that's in the v3 branch*

([http://codemirror.net/3/doc/manual.html#option\\_viewportMargin](http://codemirror.net/3/doc/manual.html#option_viewportMargin)), but don't do that if you want big documents to be fast.

- 2013-11-17: still an issue in 12.x with CodeMirror 3.x
- Fullscreen needs to auto-detect buttons that are found below on the page if any (like wiki: save, preview, etc) and add them if not, make sure if buttons are hidden, they are not added.
- [http://irc.tiki.org/irclogger\\_log/tikiwiki?date=2012-09-30,Sun&sel=204#l200](http://irc.tiki.org/irclogger_log/tikiwiki?date=2012-09-30,Sun&sel=204#l200)
- When I edit a Wiki page and press Home or End keys, the cursor jumps not to the start/end of line, but the start/end of paragraph.

#### Feedback from 8.x

- False positives
  - Strike trough syntax here: <http://dev.tiki.org/Semi-automatic+merging+period>
  - PluginCode is missing a way to have colors "none" (ex.: when it doesn't have a syntax like sql)

#### Feedback from 7.x experimental

[+]

Robert & Marc

#### 7.x

- ~~PluginCode: CodeMirror is doubling up~~ (seems good to me - *jb 110714*)
- ~~Upgrade 7.x to CodeMirror 1.0 to get bug fixes~~ (done *jb 110714*)

#### Trunk

- ~~Upgrade trunk to CodeMirror2 to get new goodies~~
  - Use [YAML parser](#) for profiles.tiki.org
    - This works but you need to use the yaml param for each plugin
      - A perfect example for [Override default params for plugins](#)
  - the 8 .js files should be minified
  - Make strings translatable

#### Related links

- <http://techmix.net/blog/2010/08/20/best-online-source-code-editor-collection-must-have-for-a-developer/>
- <http://smashinghub.com/40-useful-online-applications-for-web-designers-and-developers.htm>

#### alias

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- [Syntax highlighter](#)
- [Syntax highlighting](#)
- [PluginCode](#)
- [web-based code editor](#)
- [Code Mirror](#)
- [CodeMirror](#)
- [webeditor](#)
- [web editor](#)



## Options

[+]

v3 Dogfood testing

- [CodeMirror Testing v3](#)

## Related

- [Comparing ACE and CodeMirror on Ohloh.net](#)
- <http://sandeep.shetty.in/2011/05/codemirror-vs-ace.html>
- <http://www.chris-granger.com/2012/04/12/light-table---a-new-ide-concept/>
- <http://code.google.com/p/collide/>
- <http://techcrunch.com/2012/06/18/mozilla-launches-thimble-a-web-based-code-editor-for-teaching-html-and-css/>
- <http://java.dzone.com/articles/5-reasons-why-5-years-desktop>

## Realtime

- <http://www.tokbox.com/blog/collaborative-editor/>

Alias names for this page:

[ACE](#) | [codeeditor](#) | [code editor](#)