Web-based source code editor

What we want

- 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

<table>
<thead>
<tr>
<th>Rating</th>
<th>Subject</th>
<th>Submitted by</th>
<th>Importance</th>
<th>Easy to solve?</th>
<th>Priority</th>
<th>Category</th>
<th>Volunteered to solve</th>
<th>LastModif</th>
<th>Comments</th>
</tr>
</thead>
</table>
| ★★★★ | Upon select text and click toolbar plugin, CodeMirror activates itself and instead of insert at cursor, we get insert at top | Marc Laporte | 10 high | 5 | 50 | • Dogfood on a *.tiki.org site  
• Regression  
• Conflict of two features (each works well independently) | 2014-07-29 | 0 |
| ★★★★ | Multiple code plugins on a single WYSIWYG page not correctly parsed | mekko | 8 | 40 | • Error | 2013-11-25 | 5  
mekko-26 Nov 13 |
<p>| ★★★★ | syntax highlighting works OK for all langs in editor, but produced / viewed pages only work with &quot;php&quot;, all other langs are monocolored. | RadoS | 8 | 40 | • Error | 2016-12-27 | 0 |</p>
<table>
<thead>
<tr>
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<th>LastModif</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>●</td>
<td>CodeMirror problems</td>
<td>Jonny Bradley</td>
<td>4</td>
<td>1</td>
<td>4</td>
<td>Regression</td>
<td>Jonny Bradley</td>
<td>2013-12-06</td>
<td>0</td>
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<td>●</td>
<td>Avoid huge pages which force horizontal scrolling (CodeMirror, PluginCODE, etc)</td>
<td>Marc Laporte</td>
<td>5</td>
<td>7</td>
<td>35</td>
<td>Usability, Dogfood on a *.tiki.org site, Consistency, Conflict of two features (each works well independently)</td>
<td>2013-10-28</td>
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<td>marclaporte-10 Oct 11</td>
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<td>Wiki Edits in 18.x-20.x with mobile devices duplicate some trailing chars from strings when Codemirror is on</td>
<td>Xavier de Pedro</td>
<td>7</td>
<td>5</td>
<td>35</td>
<td>Error, Regression</td>
<td>2019-07-06</td>
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<td>●</td>
<td>Allow end user to switch codemirror on in tracker field textareas when the site feature allows</td>
<td>Xavier de Pedro</td>
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<td>8</td>
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<td>Usability, Dogfood on a *.tiki.org site, Consistency</td>
<td>2014-09-21</td>
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<td>Browser search fails to find some term occurances in CodeMirror text areas</td>
<td>Philippe Cloutier</td>
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<td>30</td>
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<td>Bug</td>
<td>2017-10-03</td>
<td>3</td>
<td>Chealer9-26 Apr 19</td>
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<td>Submitted by</td>
<td>Importance</td>
<td>Easy to solve?</td>
<td>Priority</td>
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<td>LastModif</td>
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<td>★★★★</td>
<td>Codemirror treats 2 hyphens used for an em-dash as a strikeout</td>
<td>DavidBright</td>
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<td>4</td>
<td>28</td>
<td>• Usability</td>
<td>2014-08-10</td>
<td></td>
<td>2 pianoliv-13 Sep 13</td>
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<tr>
<td>★★★★</td>
<td>CodeMirror: deduplicate Tiki mode code</td>
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<td>5</td>
<td>25</td>
<td>• Feature request</td>
<td>2013-11-17</td>
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<tr>
<td>★★★★</td>
<td>Eval error in event debug console in IE</td>
<td>luciash d'</td>
<td>25</td>
<td></td>
<td></td>
<td>• Error</td>
<td>2015-02-18</td>
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<td>inline syntax highlighting of CODE plugin</td>
<td>drsassafras</td>
<td>25</td>
<td></td>
<td></td>
<td>• Feature request</td>
<td>2017-06-02</td>
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<tr>
<td>★★★★</td>
<td>Searching for content highlights the chosen language in search term text as well</td>
<td>Andrain</td>
<td>5</td>
<td>5</td>
<td>25</td>
<td>• Usability</td>
<td>2017-09-06</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>
### 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)

- Submitted by: Xavier de Pedro
- Importance: 4
- Easy to solve?: 6
- Priority: 24
- Category: Volunteered to solve
- LastModif: 2014-08-14
- Comments: 0

- Community projects
- Dogfood on a *.tiki.org site
- Regression
- Conflict of two features (each works well independently)

### Keep color highlighting from PluginCode at the mpdf printed version

- Submitted by: Xavier de Pedro
- Importance: 4
- Easy to solve?: 5
- Priority: 20
- Category: Feature request
- LastModif: 2018-04-01
- Comments: 0

### Codemirror: button to switch it on is hidden when first the editor is set to fullscreen

- Submitted by: Xavier de Pedro
- Importance: 2
- Easy to solve?: 9
- Priority: 18
- Category: Usability
- LastModif: 2014-02-07
- Comments: 0

### Pending

- Submitted by: Marc Laporte
- Importance: 8
- Easy to solve?: 8
- Priority: 64
- Category: Regression
- LastModif: 2013-11-09
- Comments: 1

- PluginCODE: Colors picker regression
- jonnybradley-05 Nov 13

### Closed
<table>
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<th>Category</th>
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<th>LastModif</th>
<th>Comments</th>
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<tbody>
<tr>
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<td>CodeMirror doesn't minify like everything else does</td>
<td>Marc Laporte</td>
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<td>Upgrade CodeMirror to latest stable version</td>
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<td>2013-11-20</td>
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<td>• Error • Usability • Regression</td>
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<td>Rating</td>
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<td>rti in codemirror 3.16: scrollbar on the right should disappear</td>
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<td>32</td>
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<td>Minify JavaScript breaks codemirror in doc.t.o 18.x</td>
<td>Xavier de Pedro</td>
<td>4</td>
<td>8</td>
<td>32</td>
<td>• Error • Usability • Support request • Dogfood on a *.tiki.org site • Regression • Conflict of two features (each works well independently)</td>
<td></td>
<td>2018-07-19</td>
<td>1 marclaporte-19 Jul 18</td>
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<tr>
<td>★★★⃣</td>
<td>CodeMirror: too much white space in wiki source view</td>
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<td>7</td>
<td>21</td>
<td>• Consistency</td>
<td>manivannans</td>
<td>2014-07-30</td>
<td>2 marclaporte-30 Jul 14</td>
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<tr>
<td>★★★⃣</td>
<td>CodeMirror latest 12.x: Line numbering hides everything and puts huge line breaks</td>
<td>Marc Laporte</td>
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<td>16</td>
<td>• Regression</td>
<td>Jonny Bradley</td>
<td>2013-12-05</td>
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<tr>
<td>★★★⃣</td>
<td>GeSHi - Generic Syntax Highlighter for PluginCode should be in mods (and activated on *.tw.o sites)</td>
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<td></td>
<td>2012-09-28</td>
<td>1 marclaporte-28 Sep 12</td>
<td></td>
</tr>
</tbody>
</table>
### 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](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
- 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/
• 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