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>
<tbody>
<tr>
<td>★★★</td>
<td>Upon select text and click toolbar, plugin, CodeMirror activates itself and instead of insert at cursor, we get insert at top</td>
<td>Marc Laporte</td>
<td>10 high</td>
<td>5</td>
<td>50</td>
<td>• Dogfood on a *.tiki.org site</td>
<td></td>
<td>2014-07-29</td>
<td>0</td>
</tr>
<tr>
<td>★★★</td>
<td>Multiple code plugins on a single WYSIWYG page not correctly parsed</td>
<td>mekko</td>
<td>8</td>
<td>40</td>
<td></td>
<td>• Error</td>
<td></td>
<td>2013-11-25</td>
<td>5</td>
</tr>
<tr>
<td>★★★</td>
<td>syntax highlighting works OK for all langs in editor, but produced / viewed pages only work with &quot;php&quot;, all other langs are mono-colored.</td>
<td>RadoS</td>
<td>8</td>
<td>40</td>
<td></td>
<td>• Error</td>
<td></td>
<td>2016-12-27</td>
<td>0</td>
</tr>
<tr>
<td>Rating</td>
<td>Subject</td>
<td>Submitted by</td>
<td>Importance</td>
<td>Easy to solve?</td>
<td>Priority</td>
<td>Category</td>
<td>Volunteered to solve</td>
<td>LastModif</td>
<td>Comments</td>
</tr>
<tr>
<td>--------</td>
<td>---------</td>
<td>--------------</td>
<td>------------</td>
<td>----------------</td>
<td>----------</td>
<td>----------</td>
<td>---------------------</td>
<td>-----------</td>
<td>----------</td>
</tr>
<tr>
<td>★★★★☆</td>
<td>CodeMirror problems</td>
<td>Jonny Bradley</td>
<td>4</td>
<td>1</td>
<td>4</td>
<td>difficult</td>
<td>Jonny Bradley</td>
<td>2013-12-06</td>
<td>0</td>
</tr>
<tr>
<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>
<td>1 marcclaporte-10 Oct 11</td>
<td></td>
</tr>
<tr>
<td>★★★★☆</td>
<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>
<td>0</td>
<td></td>
</tr>
<tr>
<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>
<td>4</td>
<td>8</td>
<td>32</td>
<td>Usability • Dogfood on a *.tiki.org site • Consistency</td>
<td>2014-09-21</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>★★★★☆</td>
<td>Browser search fails to find some term occurences in CodeMirror text areas</td>
<td>Philippe Cloutier</td>
<td>6</td>
<td>30</td>
<td></td>
<td>Bug</td>
<td>2017-10-03</td>
<td>3 Chealer9-26 Apr 19</td>
<td></td>
</tr>
<tr>
<td>Rating</td>
<td>Subject</td>
<td>Submitted by</td>
<td>Importance</td>
<td>Easy to solve?</td>
<td>Priority</td>
<td>Category</td>
<td>Volunteered to solve</td>
<td>LastModif</td>
<td>Comments</td>
</tr>
<tr>
<td>--------</td>
<td>-------------------------------------------------------------------------</td>
<td>------------------</td>
<td>------------</td>
<td>----------------</td>
<td>----------</td>
<td>---------------------------------------------------------------------------</td>
<td>----------------------</td>
<td>-----------</td>
<td>----------</td>
</tr>
<tr>
<td>⬤ ⬤ ⬤ ⬤</td>
<td>Codemirror treats 2 hyphens used for an em-dash as a strikeout</td>
<td>DavidBright</td>
<td>7</td>
<td>4</td>
<td>28</td>
<td>• Usability • Patch • Less than 30-minutes fix</td>
<td></td>
<td>2014-08-10</td>
<td>pianoliv-13 Sep 13</td>
</tr>
<tr>
<td>⬤ ⬤ ⬤</td>
<td>CodeMirror: deduplicate Tiki mode code</td>
<td>Marc Laporte</td>
<td>5</td>
<td>5</td>
<td>25</td>
<td>• Feature request</td>
<td></td>
<td>2013-11-17</td>
<td>0</td>
</tr>
<tr>
<td>⬤ ⬤ ⬤</td>
<td>Eval error in event debug console in IE</td>
<td>luciash d'being ref</td>
<td>25</td>
<td></td>
<td></td>
<td>• Error</td>
<td></td>
<td>2015-02-18</td>
<td>0</td>
</tr>
<tr>
<td>⬤ ⬤ ⬤ ⬤</td>
<td>inline syntax highlighting of CODE plugin</td>
<td>drsassafras</td>
<td>25</td>
<td></td>
<td></td>
<td>• Feature request</td>
<td></td>
<td>2017-06-02</td>
<td>0</td>
</tr>
<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 • Bug</td>
<td></td>
<td>2017-09-06</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)

- Rating: 3
- Subject: Easy to solve?
- Importance: 4
- Priority: 6
- Category: Easy to solve?
- Volunteered to solve: Community projects
- Dogfood on a *.tiki.org site
- Regression
- Conflict of two features (each works well independently)
- Last Modified: 2014-08-14
- Comments: 0

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

- Rating: 3
- Subject: Easy to solve?
- Importance: 4
- Priority: 5
- Category: Easy to solve?
- Volunteered to solve: Feature request
- Last Modified: 2018-04-01
- Comments: 0

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

- Rating: 3
- Subject: Easy to solve?
- Importance: 2
- Priority: 9
- Category: Easy to solve?
- Volunteered to solve: Usability
- Consistency
- Last Modified: 2014-02-07
- Comments: 0

## Pending

### PluginCODE: Colors picker regression

- Rating: 4
- Subject: Easy to solve?
- Importance: 8
- Priority: 8
- Category: Easy to solve?
- Volunteered to solve: Regression
- Last Modified: 2013-11-09
- Comments: 1

**Closed**
<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>
<tbody>
<tr>
<td>5</td>
<td>CodeMirror doesn't minify like everything else does</td>
<td>Marc Laporte</td>
<td>2</td>
<td>4</td>
<td>8</td>
<td>• Conflict of two features (each works well independently)</td>
<td>2016-12-09</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Upgrade CodeMirror to latest stable version</td>
<td>Marc Laporte</td>
<td>7</td>
<td>9</td>
<td>63</td>
<td>• Feature request</td>
<td>marclaporte-02 Nov 13</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Codemirror buttons not shown in edit page at dev.t.o 12.x r48321</td>
<td>Xavier de Pedro</td>
<td>6</td>
<td>8</td>
<td>48</td>
<td>• Regression</td>
<td>xavi-20 Nov 13</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Comments to tracker items can't be posted when codemirror is on</td>
<td>Xavier de Pedro</td>
<td>6</td>
<td>6</td>
<td>36</td>
<td>• Usability</td>
<td>2016-12-08</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>12.x: can't post comments if codemirror is on (it says 'Content is empty')</td>
<td>Xavier de Pedro</td>
<td>7</td>
<td>5</td>
<td>35</td>
<td>• Error</td>
<td>2014-07-13</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Rating</td>
<td>Subject</td>
<td>Submitted by</td>
<td>Easy to solve?</td>
<td>Priority</td>
<td>Category</td>
<td>Volunteered to solve</td>
<td>LastModif</td>
<td>Comments</td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------------------------------------------------------</td>
<td>------------------------</td>
<td>----------------</td>
<td>----------</td>
<td>----------------------------</td>
<td>----------------------</td>
<td>-------------</td>
<td>--------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>★★★★</td>
<td>rtl in codemirror 3.16: scrollbar on the right should disappear</td>
<td>Xavier de Pedro</td>
<td>4</td>
<td>8</td>
<td>32 • Usability</td>
<td></td>
<td>2013-12-05</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>★★★★</td>
<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 • Error • Usability • Support request • Dogfood on a *.tiki.org site • Regression • Conflict of two features (each works well independently)</td>
<td>2018-07-19</td>
<td>marclaporte-19 Jul 18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>★★★★</td>
<td>CodeMirror: too much white space in wiki source view</td>
<td>Marc Laporte</td>
<td>3</td>
<td>7</td>
<td>21 • Consistency</td>
<td>manivannans</td>
<td>2014-07-30</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>★★★★</td>
<td>CodeMirror latest 12.x: Line numbering hides everything and puts huge line breaks</td>
<td>Marc Laporte</td>
<td>4</td>
<td>4</td>
<td>16 • Regression</td>
<td>Jonny Bradley</td>
<td>2013-12-05</td>
<td>3 marclaporte-17 Nov 13</td>
<td></td>
</tr>
<tr>
<td>★★★★</td>
<td>GeSHi - Generic Syntax Highlighter for PluginCode should be in mods (and activated on *.tw.o sites)</td>
<td>Xavier de Pedro</td>
<td>3</td>
<td>15</td>
<td>• Usability • Feature request • Dogfood on a *.tiki.org site</td>
<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
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), 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