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>
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<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>
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<td>• Dogfood on a *.tiki.org site • Regression • Conflict of two features (each works well independently)</td>
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<td>• Usability • Dogfood on a *.tiki.org site • Consistency • Conflict of two features (each works well independently)</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>
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<td>Usability, Dogfood on a *.tiki.org site, Consistency</td>
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<td>Usability, Patch, Less than 30-minutes fix</td>
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<td>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)</td>
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<td>Multiple code plugins on a single WYSIWYG page not correctly parsed</td>
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<td>Eval error in event debug console in IE</td>
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### Syntax Highlighting Works OK for All Langs in Editor, but Produced / Viewed Pages Only Work with "php", All Other Langs are Mono-colored

Submitted by: RadoS

- **Rating**: ★★★ 0
- **Subject**: Syntax highlighting works OK for all langs in editor, but produced / viewed pages only work with "php", all other langs are mono-colored.
- **Priority**: 8
- **Category**: Error
- **Last Modif**: 2016-12-27
- **Comments**: (0)

### Inline Syntax Highlighting of Code Plugin

Submitted by: drsassafras

- **Rating**: ★★★ 0
- **Subject**: Inline syntax highlighting of CODE plugin
- **Priority**: 0
- **Category**: Feature request
- **Last Modif**: 2017-06-02
- **Comments**: (0)

### Browser Search Fails to Find Some Term Occurences in CodeMirror Text Areas

Submitted by: Philippe Cloutier

- **Rating**: ★★★ 0
- **Subject**: Browser search fails to find some term occurences in CodeMirror text areas
- **Priority**: 0
- **Category**: Bug
- **Last Modif**: 2017-10-03
- **Comments**: (0)

### Pending

#### PluginCODE: Colors Picker Regression

Submitted by: Marc Laporte

- **Rating**: ★★★ 8
- **Subject**: PluginCODE: Colors picker regression
- **Priority**: 8
- **Category**: Regression
- **Last Modif**: 2013-11-09
- **Comments**: (0)

#### Closed

- **Rating**: ★★★ 1
- **Subject**: PluginCODE: Colors picker regression
- **Priority**: 64
- **Category**: Regression
- **Last Modif**: 2013-11-09
- **Comments**: (0)
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<td>• Usability • Regression • Consistency</td>
<td>2014-12-04</td>
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</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/  
• http://smashinghub.com/40-useful-online-applications-for-web-designers-and-developers.htm
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://code.google.com/p/collide/
- 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