WYSIWYG editor-(TinyMCE)

Introduction :

The first true **WYSIWYG editor** was a program written for the Alto called Bravo, created in 1974 by Charles Simonyi and Butler Lampson, which would ultimately lead to the development of Microsoft Word some years later. WYSIWYG is an acronym for "what you see is what you get". A WYSIWYG editor can be contrasted with more traditional editors that require the developer to enter descriptive codes (or markup) and do not permit an immediate way to see the results of the markup. The first true WYSIWYG editor was a word processing program called Bravo. Invented by Charles Simonyi at the Xerox Palo Alto Research Center in the 1970s, it became the basis for Simonyi's work at Microsoft and evolved into two other WYSIWYG applications called Word and Excel.

Mintox uses a WYSIWYG editor to conceal the markup and allows the web page developer to think entirely in terms of how the content should appear. There is an option to view and update the source code; however it is not recommended unless you know how to write HTML.

Here in this article I have given brief description on three different type of WYSIWYG editors that usually work with angular framework and by evaluating advantages, I have concluded that why TinyMCE editor is the best suitable for our project and finally the conclusion.

Main Findings:
WYSIWYG editors that work with angular framework is discussed as below:
1. Froala

   2. Jodit

   3. TinyMCE (Community Edition)

- **Froala:** Froala is a beautiful WYSIWYG editor written in JavaScript. Froala is one of the more popular tools on this list and its popularity with developers has been accounted by its easy integration and clean design. Froala is a very powerful editor in itself and the wide myriads of plug-ins have only increased the same. There are more than 30 plug-ins which include an advanced image editor, emoticons, spell checker, and it's easy to even create your own plug-in. All the tools can also be accessed in line with the inline editor which is extremely convenient. Froala also comes in a lot of flavours, but even the free version consists of all the features. The only difference is that you won't be getting the full source code and technical support.

Pros:
- Lightweight Powerful editor
- Inline editing
- Plethora of plug-in

Cons:
- Not great for mobile hybrid app/website

Verdict :

Froala is fast and lightweight with a beautiful UI but yet manages to bring all the features one might be looking for in a WYSIWYG HTML editor. If you are okay without the source code and support, the free version will serve you just fine.

- **Jodit:** Jodit is fast and lightweight WYSIWYG editor which you can embed in your code and start editing your page. It is quite light at around 100 KB in size and it has been written completely in Type Script, thus you don't need any dependencies or libraries to run it. Jodit is one of the most user-friendly WYSIWYG editors out there, with options like copy-pasting an image and drag and drop. The best thing about Jodit is that it comes with an ACE editor out of the box and with a single button; you can switch between the actual code and the preview mode. You can make adjustments directly in the code or just copy and paste it on your website.

  Pros:
  - Lightweight, No Libraries
  - Drag & Drop
  - ACE editor out of the box

  Cons:
  - Option for Technical Support (Paid)

Verdict:

Jodit provides you with the best of both worlds – easy visual WYSIWYG editing as well as adjusting through the raw code. If you are someone who has at least some knowledge in HTML, Jodit might be the best option for you.

- **TinyMCE (Community Edition)**: TinyMCE is a full-fledged WYSIWYG editor for the web. It is also completely written in JavaScript and offers an UI and experience like most word processors. TinyMCE comes in a bunch of options, the Community Edition being the free and open-source one. It comes with all the basic editing options like formatting text, lists, tables and also some image editing options.

  Pros:
  - Extension Support
  - File Management

- Technical Support
- IDE-style code editor for HTML

Verdict:

TinyMCE (Community Edition): with its easy integration option, user-friendly UI and plethora of features including technical support, is a complete package.

However, we have used TinyMCE to work with Angular framework for our product development because of many reasons.

Evaluation about TinyMCE:

TinyMCE or **Tiny Moxiecode Content Editor** is a [free WYSIWYG text editor](#) and HTML editor from the Swedish company Moxiecode Systems AB , based in Skellefteå . Moxiecode Systems AB is now part of the Ephox company with offices in Brisbane, Australia and Palo Alto, USA.

It is one of the most powerful and flexible text **editor** that makes it incredibly easy for people with various levels of technical expertise to create rich content. Tiny Cloud is perfect for anyone who wants an easier installation and upgrade process.

It is a platform independent web based JavaScript HTML WYSIWYG editor. What this means is that it will let you create html content on your web site.

It supports most modern operating systems and browsers. Some examples are: Mozilla, Internet Explorer, Firefox, Opera, Safari and Chrome. TinyMCE has a large userbase and an active development community.

It is the default visual editor since Plone 4.0.

It is a MediaWiki extension that lets users edit wiki pages using the popular open source JavaScript-based WYSIWYG editor TinyMCE created by Ephox Corporation. It is based on the BlueSpice VisualEditor extension (not to be confused with the standard VisualEditor extension), developed as part of the BlueSpice package by Hallo Welt! GmbH. It was then modified significantly by Duncan Crane and Yaron Koren to work better as a standalone extension, and to work within forms defined by the Page Forms extension.

It will never work as well as the standard VisualEditor extension - among other things, its handling of template calls is quite primitive compared to VisualEditor's. However, it does have several advantages:

- ✓ It is easier to install, since it does not require any outside libraries or services, like the Parsoid service required for VisualEditor.

- ✓ There are a wide variety of outside plugins that have been developed for the TinyMCE editor, like spellcheckers; these may provide helpful functionality that VisualEditor does not provide.

✓ It works within Page Forms, unlike VisualEditor; though VE support for Page Forms may be coming by mid-2018.

Conclusion:

Apart from few inadequate features of TinMCE editor, its preferential features lets us to utilize it as WYSIWYG editor for our angular framework. However other two editors possess multipurpose attribute too, we have preferred TinyMCE largely due to its easy integration option, user-friendly UI and plethora of features including technical support, is a complete package.

References:

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