Markdown Plus

Markdown Plus ("M+" or "mdp" for short) is a markdown editor with extra features.

Table of Contents

[TOC]

Note: Only `h2` and `h3` are shown in toc.

Mastering Markdown

Markdown allows you to write using an easy-to-read, easy-to-write plain text format, which then converts to valid HTML for viewing.

Mastering Markdown Guide (https://guides.github.com/features/mastering-markdown/).

~~strikethrough~~

++insert++

==mark==

Subscript: H~2~O

You can also use inline math: H_2O

Superscript: 29^th^

You can also use inline math: 29^{th}

Emoji: :panda_face: :sparkles: :camel: :boom: :pig:

Emoji Cheat Sheet (http://www.emoji-cheat-sheet.com/)

Fontawesome: :fa-cab: :fa-flag: :fa-bicycle: :fa-leaf: :fa-heart:

All the Font Awesome icons (http://fontawesome.io/icons/)

Ionicons: :ion-printer: :ion-social-tux: :ion-lock-combination: :ion-ios-medkit: :ion-coffee:

All the Ionicons icons (http://ionicons.com/)

print 'hello code'

```
evens = [1, 2, 3, 4, 5].collect do |item|
  item * 2
end
```

```
$(document).ready(function() {
  $('pre code').each(function(i, block) {
    hljs.highlightBlock(block);
  });
});
```

Code Formatting (https://help.github.com/articles/markdown-basics/#code-formatting)

Tables and alignment

First Header	Second Header
Content from cell 1	Content from cell 2
Content in the first column	Content in the second column

Left-Aligned	Center Aligned	Right Aligned
col 3 is	some wordy text	$1600
col 2 is	centered	$12

Table Syntax (https://help.github.com/articles/github-flavored-markdown/#tables)

Task list

- [ ] a bigger project
  - [x] first subtask
  - [x] follow up subtask
  - [ ] final subtask
- [ ] a separate task

Task List Syntax (https://help.github.com/articles/writing-on-github/#task-lists)

Abbreviation

Markup is based on php markdown extra (https://michelf.ca/projects/php-markdown/extra/#abbr) definition, but without multiline support:

*[HTML]: Hyper Text Markup Language *[W3C]: World Wide Web Consortium The HTML specification is maintained by the W3C.

Footnote

Here is a footnote reference,[^1] and another.[^longnote]

[^1]: Here is the footnote.

[^longnote]: Here's one with multiple blocks.

```
Subsequent paragraphs are indented to show that they
```

belong to the previous footnote.

Here is an inline note.^[Inlines notes are easier to write, since you don't have to pick an identifier and move down to type the note.]

Footnote Syntax (http://pandoc.org/README.html#footnotes)

Mathematical formula $y = x^2$

Inline math:
$\dfrac{ \tfrac{1}{2}[1-(\tfrac{1}{2})^n] }{ 1-\tfrac{1}{2} } = s_n$.

Math block:

```
\oint_C x^3\, dx + 4y^2\, dy

2 = \left(
 \frac{\left(3-x\right) \times 2}{3-x}
 \right)

\sum_{m=1}^\infty\sum_{n=1}^\infty\frac{m^2\,n}
 {3^m\left(m\,3^n+n\,3^m\right)}

\phi_n(\kappa) =
 \frac{1}{4\pi^2\kappa^2} \int_0^\infty
 \frac{\sin(\kappa R)}{\kappa R}
 \frac{\partial}{\partial R}
 \left[R^2\frac{\partial D_n(R)}{\partial R}\right]\,dR
```

Mathematical Formula Syntax

(http://meta.wikimedia.org/wiki/Help:Displaying_a_formula)

AsciiMath

Inline AsciiMath: @(1/2[1-(1/2)^n])/(1-(1/2))=s_n@

```
oint_Cx^3 dx+4y^2 dy

2=(((3-x)xx2)/(3-x))

sum_(m=1)^oosum_(n=1)^oo(m^2 n)/(3^m(m3^n+n3^m)
```

```
phi_n(kappa) = 1/(4pi^2 kappa^2)
 int_0^oo (sin(kappa R))/(kappa R)
 del/(del R)
[R^2 (del D_n (R))/(del R)] del R
```

AsciiMath Documentation (http://asciimath.org/)

Flowchart

```
graph TD
    A[Christmas] -->|Get money| B(Go shopping)
    B --> C{Let me think}
    C -->|One| D[Laptop]
    C -->|Two| E[iPhone]
    C -->|Three| F[Car]
```

Flowchart Syntax (http://knsv.github.io/mermaid/#flowcharts-basic-syntax)

::: warning Adding many flowcharts will slow down the editor. :::

Sequence diagram

```
sequenceDiagram
    loop every day
        Alice->>John: Hello John, how are you?
        John-->>Alice: Great!
    end
```

Sequence Diagram Syntax (http://knsv.github.io/mermaid/#sequence-diagrams)

::: warning Adding many sequence diagrams will slow down the editor. :::

Gantt diagram

```
gantt
    dateFormat  YYYY-MM-DD
    title Adding GANTT diagram functionality to mermaid

    section A section
    Completed task            :done,    des1, 2014-01-06,20
14-01-08
    Active task               :active,  des2, 2014-01-09, 3
d
    Future task               :         des3, after des2, 5
d
    Future task2               :         des4, after des3,
5d

    section Critical tasks
    Completed task in the critical line :crit, done, 2014-0
1-06,24h
    Implement parser and jison          :crit, done, after
des1, 2d
    Create tests for parser             :crit, active, 3d
    Future task in critical line        :crit, 5d
    Create tests for renderer           :2d
    Add to mermaid                      :1d

    section Documentation
    Describe gantt syntax               :active, a1, after
des1, 3d
    Add gantt diagram to demo page      :after a1  , 20h
    Add another diagram to demo page    :doc1, after a1  ,
48h

    section Last section
    Describe gantt syntax               :after doc1, 3d
    Add gantt diagram to demo page      : 20h
    Add another diagram to demo page    : 48h
```

Gantt Diagram Syntax (http://knsv.github.io/mermaid/#gant-diagrams)

::: warning Adding many gantt diagrams will slow down the editor. :::

Custom Container

Markup is similar to fenced code blocks. Valid container types are `success`, `info`, `warning` and `danger`.

::: info You have new mail. :::

::: danger Staying up all night is bad for health. :::

Definition list

Term 1 ~ Definition 1

Term 2 ~ Definition 2a ~ Definition 2b

Definition List Syntax (http://pandoc.org/README.html#definition-lists)

HTML

If you find the markdown syntax too limited, you can try some HTML:

(https://github.com/tylingsoft/markdown-plus)

Charts

Documentation for charts (http://www.chartjs.org/docs/)

Line Chart

```
{
  "type": "line",
  "data": {
    "labels": [
      "January",
      "February",
      "March",
      "April",
      "May",
      "June",
      "July"
    ],
    "datasets": [
      {
        "label": "# of bugs",
        "fill": false,
        "lineTension": 0.1,
        "backgroundColor": "rgba(75,192,192,0.4)",
        "borderColor": "rgba(75,192,192,1)",
        "borderCapStyle": "butt",
        "borderDash": [],
        "borderDashOffset": 0,
        "borderJoinStyle": "miter",
        "pointBorderColor": "rgba(75,192,192,1)",
        "pointBackgroundColor": "#fff",
```

```
        "pointBorderWidth": 1,
        "pointHoverRadius": 5,
        "pointHoverBackgroundColor": "rgba(75,192,192,1)",
        "pointHoverBorderColor": "rgba(220,220,220,1)",
        "pointHoverBorderWidth": 2,
        "pointRadius": 1,
        "pointHitRadius": 10,
        "data": [
          65,
          59,
          80,
          81,
          56,
          55,
          40
        ],
        "spanGaps": false
      }
    ]
  },
  "options": {}
}
```

Documentation for Line Chart (http://www.chartjs.org/docs/#line-chart)

Bar Chart

```
{
  "type": "bar",
  "data": {
  "labels": [
    "Red",
    "Blue",
    "Yellow",
```

```
    "Green",
    "Purple",
    "Orange"
  ],
  "datasets": [
    {
    "label": "# of Votes",
    "data": [
      12,
      19,
      3,
      5,
      2,
      3
    ],
    "backgroundColor": [
      "rgba(255, 99, 132, 0.2)",
      "rgba(54, 162, 235, 0.2)",
      "rgba(255, 206, 86, 0.2)",
      "rgba(75, 192, 192, 0.2)",
      "rgba(153, 102, 255, 0.2)",
      "rgba(255, 159, 64, 0.2)"
    ],
    "borderColor": [
      "rgba(255,99,132,1)",
      "rgba(54, 162, 235, 1)",
      "rgba(255, 206, 86, 1)",
      "rgba(75, 192, 192, 1)",
      "rgba(153, 102, 255, 1)",
      "rgba(255, 159, 64, 1)"
    ],
    "borderWidth": 1
    }
  ]
  },
  "options": {}
}
```

Documentation for Bar Chart (http://www.chartjs.org/docs/#bar-chart)

Radar Chart

```
{
  "type": "radar",
  "data": {
    "labels": [
      "Eating",
      "Drinking",
      "Sleeping",
      "Designing",
      "Coding",
      "Cycling",
      "Running"
    ],
    "datasets": [
      {
        "label": "My First dataset",
        "backgroundColor": "rgba(179,181,198,0.2)",
        "borderColor": "rgba(179,181,198,1)",
        "pointBackgroundColor": "rgba(179,181,198,1)",
        "pointBorderColor": "#fff",
        "pointHoverBackgroundColor": "#fff",
        "pointHoverBorderColor": "rgba(179,181,198,1)",
        "data": [
          65,
          59,
          90,
          81,
          56,
          55,
          40
```

```
        ]
      },
      {
        "label": "My Second dataset",
        "backgroundColor": "rgba(255,99,132,0.2)",
        "borderColor": "rgba(255,99,132,1)",
        "pointBackgroundColor": "rgba(255,99,132,1)",
        "pointBorderColor": "#fff",
        "pointHoverBackgroundColor": "#fff",
        "pointHoverBorderColor": "rgba(255,99,132,1)",
        "data": [
          28,
          48,
          40,
          19,
          96,
          27,
          100
        ]
      }
    ]
  },
  "options": {}
}
```

Documentation for Radar Chart (http://www.chartjs.org/docs/#radar-chart)

Polar Area Chart

```
{
  "type": "polarArea",
  "data": {
    "datasets": [
      {
        "data": [
          11,
          16,
          7,
          3,
          14
        ],
        "backgroundColor": [
          "#FF6384",
          "#4BC0C0",
          "#FFCE56",
          "#E7E9ED",
          "#36A2EB"
        ],
        "label": "My dataset"
      }
    ],
    "labels": [
      "Red",
      "Green",
      "Yellow",
      "Grey",
      "Blue"
    ]
  },
  "options": {}
}
```

Documentation for Polar Area Chart
(http://www.chartjs.org/docs/#polar-area-chart)

Pie Chart

```
{
  "type": "pie",
  "data": {
    "labels": [
      "Red",
      "Blue",
      "Yellow"
    ],
    "datasets": [
      {
        "data": [
          300,
          50,
          100
        ],
        "backgroundColor": [
          "#FF6384",
          "#36A2EB",
          "#FFCE56"
        ],
        "hoverBackgroundColor": [
          "#FF6384",
          "#36A2EB",
          "#FFCE56"
        ]
      }
    ]
  },
  "options": {}
}
```

Documentation for Pie Chart (http://www.chartjs.org/docs/#doughnut-pie-chart)

Doughnut Chart

```
{
  "type": "doughnut",
  "data": {
    "labels": [
      "Red",
      "Blue",
      "Yellow"
    ],
    "datasets": [
      {
        "data": [
          300,
          50,
          100
        ],
        "backgroundColor": [
          "#FF6384",
          "#36A2EB",
          "#FFCE56"
        ],
        "hoverBackgroundColor": [
          "#FF6384",
          "#36A2EB",
          "#FFCE56"
        ]
      }
    ]
  },
  "options": {}
}
```

Documentation for Doughnut Chart (http://www.chartjs.org/docs/#doughnut-pie-chart)

Bubble Chart

```
{
  "type": "bubble",
  "data": {
    "datasets": [
      {
        "label": "First Dataset",
        "data": [
          {
            "x": 20,
            "y": 30,
            "r": 15
          },
          {
            "x": 40,
            "y": 10,
            "r": 10
          }
        ],
        "backgroundColor": "#FF6384",
        "hoverBackgroundColor": "#FF6384"
      }
    ]
  },
  "options": {}
}
```

Documentation for Bubble Chart (http://www.chartjs.org/docs/#bubble-chart)