2 - Cell Types

Currently five cell types are supported:

1. A "Text Cell" lets you edit rich-text in-place. It supports images and links too.
2. A "Code Cell" packs the awesome ACE code editor, with syntax highlighting support for 120+ languages, 20+ themes, automatic indent and outdent, code completion, and much more.
3. A "Markdown Cell" lets you write in Markdown with inline formatting and custom CSS options.
4. A "LaTeX Cell" uses MathJax to typeset mathematical equations in your notes.
5. A "Diagram Cell" lets you create sequence diagrams and flowcharts from text.

Text Cell

This is a **text cell** with *some* ==simple== *formatting*.

This is *an example* of a <u>text cell</u> with complex styles applied.

You can change text formatting using the toolbar at the top, or with keyboard shortcuts. Look under the "Format" menu for all the formatting options and keyboard shortcuts.

Code Cell

```javascript
1 // This is a code cell set to the JavaScript mode
2
3 void hello()
4 {
5   console.log("Hello World!");
6 }
```

```coffeescript
1 # And this is a code cell set to the CoffeeScript mode
2
3 hello = -> console.log 'Hello World!'
```

Code cells support syntax highlighting for 120+ languages, 20+ themes, automatic indent and outdent, code folding, multiple cursors and selections, code completion, tab triggers, Vim/Emacs keybinding, etc. You can read more about the awesome Ace editor on its website (http://ace.c9.io/).

Markdown Cell

Markdown cells support standard Markdown syntax as well as GitHub Flavored Markdown (GFM). Open the preview to see these rendered.

Basics

H1

H2

H3

H4

H5

H6

---

italic, **bold**, ~~Scratch this.~~

`inline code`

Lists

1. First ordered list item
2. Another item
    - Unordered sub-list.
3. Actual numbers don't matter, just that it's a number
    a. Ordered sub-list
4. And another item.

Quote

> Peace cannot be kept by force; it can only be achieved by understanding.

Links

[I'm an inline-style link](http://example.com)
http://example.com

You can also create a link to another note: (Note menu -> Copy Note Link -> Paste)
01 - Getting Started

Tables

Tables	Are	Cool
col 3 is	right-aligned	$1600
col 2 is	centered	$12
zebra stripes	are neat	$1

GFM Task Lists

- [ ] a task list item
- [ ] list syntax required
- [ ] normal **formatting**, @mentions, #1234 refs
- [ ] incomplete
- [x] completed

Inline LaTeX

You can use inline LaTeX inside Markdown cells as well, for example, x^2.

LaTeX Cell

LaTeX cells make it easy to typeset math equations. For example,

$$\nabla \times \vec{\mathbf{B}} - \frac{1}{c} \frac{\partial \vec{\mathbf{E}}}{\partial t} = \frac{4\pi}{c} \vec{\mathbf{j}}$$

$$\nabla \cdot \vec{\mathbf{E}} = 4\pi\rho$$

$$\nabla \times \vec{\mathbf{E}} + \frac{1}{c} \frac{\partial \vec{\mathbf{B}}}{\partial t} = \vec{\mathbf{0}}$$

$$\nabla \cdot \vec{\mathbf{B}} = 0$$

Open the preview to see how it's rendered.

Inline LaTeX is also supported, for example, x^2.

You can also add custom macros in Preferences, and they will be available in all LaTeX cells.

Diagram Cell
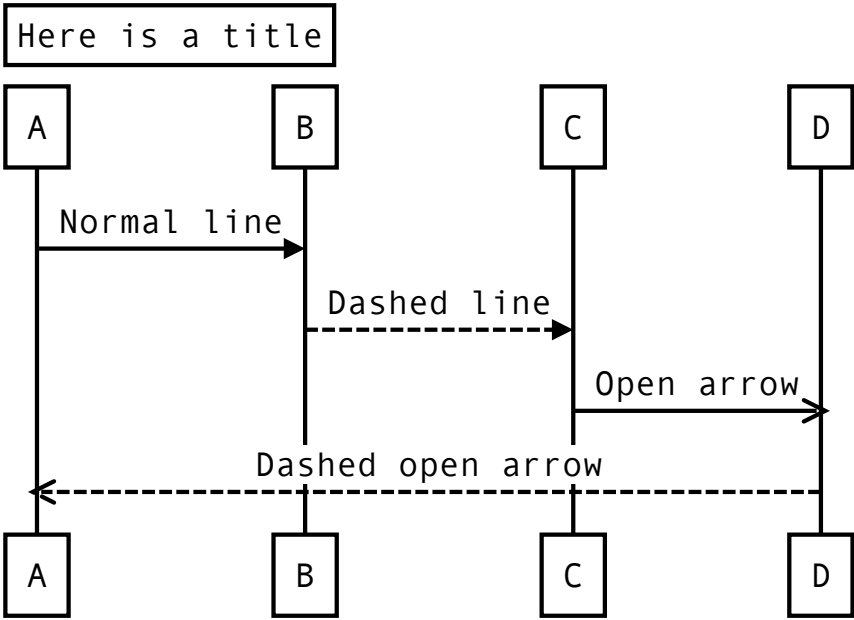
Diagram cells let you create sequence diagrams and flowcharts from text.

Please check the syntax here:

- Sequence diagram: http://bramp.github.io/js-sequence-diagrams/
- Flowchart: http://flowchart.js.org/

Open the preview to see how the following examples are rendered.

Sequence diagram example:

```
┌─────────────────┐
│ Here is a title │
└─────────────────┘
┌───┐        ┌───┐        ┌───┐        ┌───┐
│ A │        │ B │        │ C │        │ D │
└───┘        └───┘        └───┘        └───┘
  │            │            │            │
  │ Normal line│            │            │
  ├───────────►│            │            │
  │            │ Dashed line│            │
  │            ├ ─ ─ ─ ─ ─ ►│            │
  │            │            │ Open arrow │
  │            │            ├───────────►│
  │      Dashed open arrow  │            │
  │◄ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─│
┌───┐        ┌───┐        ┌───┐        ┌───┐
│ A │        │ B │        │ C │        │ D │
└───┘        └───┘        └───┘        └───┘
```

Flowchart example: