THIS IS A LEVEL 1 HEADING

ALXS

14/10/2024

Plan

▶ *This is a level 2 heading*

   ▶ *This is a level 3 heading*

      ▶ *This is a level 4 heading*

This is a level 2 heading

This is a level 3 heading

This is a level 4 heading

This is a level 5 heading

This is a level 6 heading

This is a paragraph of text. Here's a link to an external website.

Here's an unordered list:

- Item 1
- Item 2
- Item 3
  - Subitem 1
  - Subitem 2

Here's an ordered list:

1. First item
2. Second item
3. Third item

    1. Subitem 1
    2. Subitem 2

> This is a blockquote. It can span multiple lines.
>
> Here's a second paragraph in the blockquote.

This is a verse block.

> **DEFINITION**
>
> Here's a definition

> **NOTE**
>
> Here's a note

> **WARNING**
>
> Here's a warning

> **TIP**
>
> Here's a tip

> **IMPORTANT**
>
> Here's something important

> **ERROR**
>
> Here's an error

> **SUCCESS**
>
> Here's a success

> **ABSTRACT**
>
> Here's an abstract

> **EXAMPLE**
>
> Here's an example

■ QUESTION

Here's a question

■ QUOTE

Here's a quote

■ BUG

Here's an bug

Here are my custom color or highlight elements :

This is a red text

This is a green text

This is a blue text

This is a yellow text

This is an orange text

This is a purple text

This is a pink text

This is a grey text

This is a red highlight

This is a green highlight

This is a blue highlight

This is a yellow highlight

This is an orange highlight

This is a purple highlight

This is a pink highlight

This is a grey highlight

Here's some inline code: `console.log('Hello, world!');`

Here's a code block:

```
function add(a, b) {
    a = a + 1;
    b = 2 + 1 + 2;
    return a + b;
}
```

Here's an image:

Here's some **bold** text and some *italic* text.

Here's a table:

| Column 1 | Column 2 | | -------- | -------- | | Item 1 | Item 2 | | Item 3 | Item 4 |

Here's a horizontal rule:

Here's a footnote[^1].

[^1]: This is a footnote.

This is my custom footnote [1]

Here is a second custom footnote [2]

Here's a definition list:

Term 1 : Definition 1

Term 2 : Definition 2

Here's a task list:

- ☑ Task 1
- ☐ Task 2
- ☐ Task 3
- ☑ Task 4

Here's an abbreviation: HTML

Here's a math block:

$$\frac{1}{n^2}$$

Here's a math inline: $\frac{1}{n^2}$

Here's a superscript: 10^2

Here's a bit more math :

$$\overrightarrow{AF} = \begin{pmatrix} 0 \\ \frac{1}{2} \end{pmatrix} - \begin{pmatrix} 1 \\ 0 \end{pmatrix} = \begin{pmatrix} -1 \\ \frac{1}{2} \end{pmatrix}$$

$$\overrightarrow{EG} = \begin{pmatrix} 0 \\ \frac{1}{4} \end{pmatrix} - \begin{pmatrix} \frac{1}{2} \\ 0 \end{pmatrix} = \begin{pmatrix} -\frac{1}{2} \\ \frac{1}{4} \end{pmatrix}$$

$$\left(\begin{bmatrix} 1 \\ 3 \end{bmatrix} - \begin{bmatrix} 2 \\ 2 \end{bmatrix} \right) \cdot \begin{bmatrix} 4 \\ 4 \end{bmatrix} = 0$$

$$x = \frac{4 \pm \sqrt{64}}{2} = 2 \pm 4$$

$$2x + 3y \qquad = 4$$
$$3x + 4y + 0 - 0 = 5$$

$$\begin{aligned} 2x + 3y &= 4 \\ 3x + 4y &= 5 \end{aligned} \tag{1}$$

$$\begin{aligned} 2x + 3y &= 4 \\ 3x + 4y &= 5 \end{aligned}$$
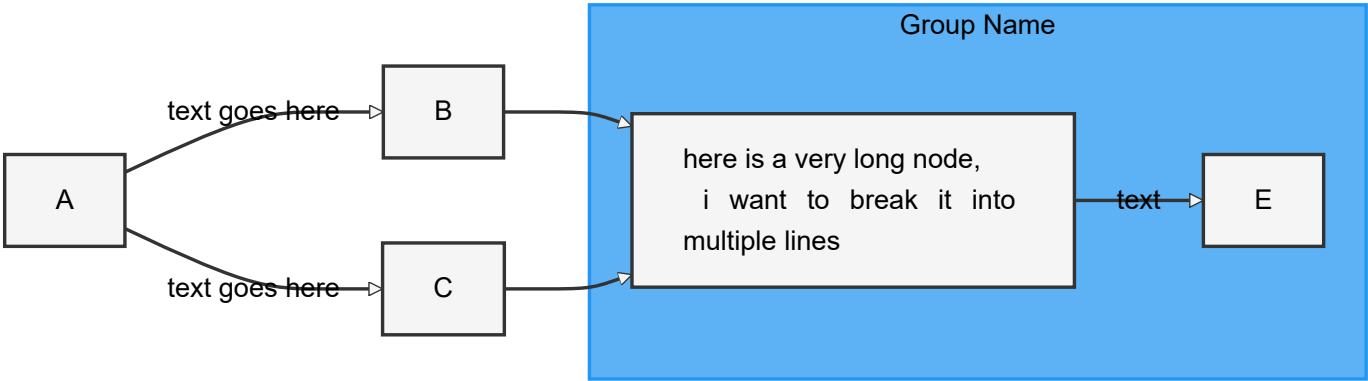
This is a first line This is a second line
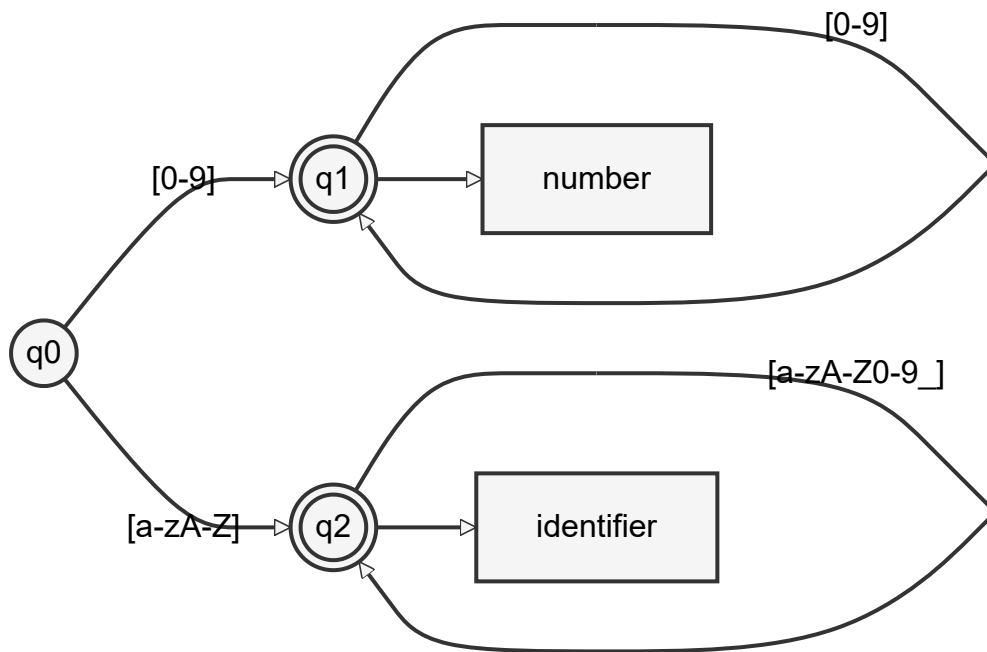
Here's a subscript: H_2O

Here's a strikethrough: ~~strikethrough~~
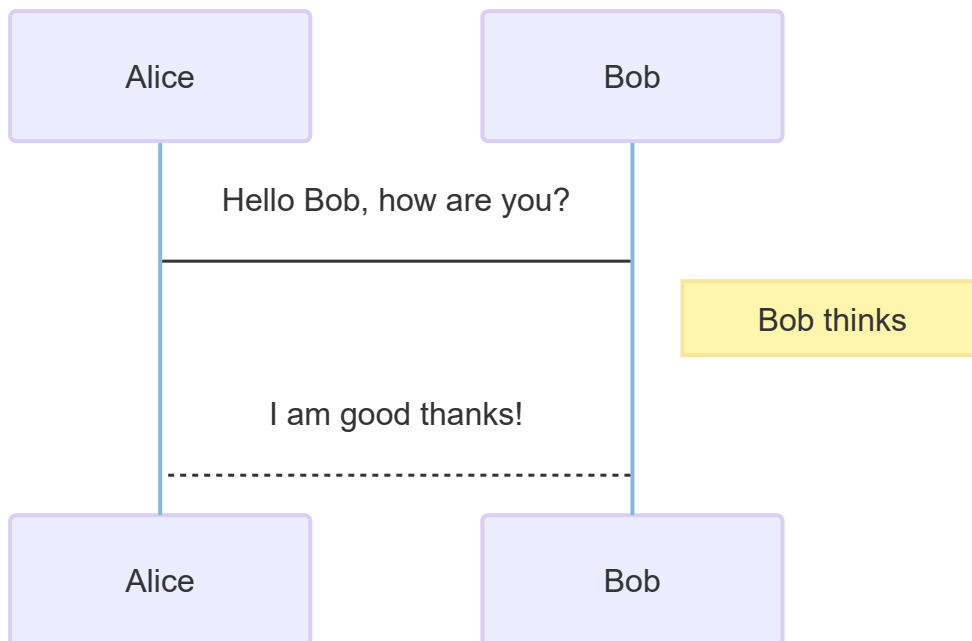
Here's a comment:

Here's some emoji: 🐻

This is a mermaid diagram:
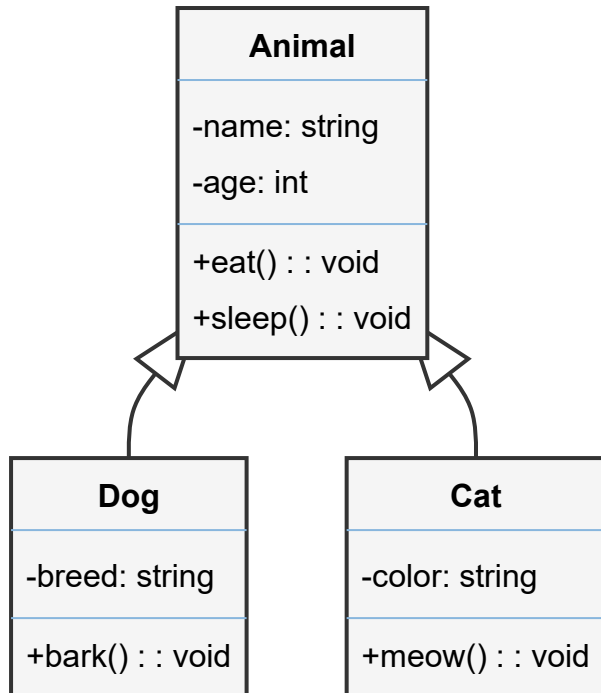
Here's a sequence diagram:

Here's a class diagram:

Here's a plantuml diagram:

```
@startuml
class Animal {
    -name: string
    -age: int
    +eat(): void
    +sleep(): void
}
class Dog {
    -breed: string
    +bark(): void
}
class Cat {
    -color: string
    +meow(): void
}
Animal <|-- Dog
Animal <|-- Cat
@enduml
```

Phasellus egestas feugiat aliquet. Proin ut sollicitudin diam. Sed at commodo est. Fusce non volutpat orci. Cras semper auctor hendrerit. Integer molestie efficitur augue, ac tincidunt ante pulvinar id. Nunc urna velit, pharetra vitae tincidunt et, pulvinar ac quam. Vivamus ornare at sem nec iaculis. Integer nec tortor convallis, mattis ante sit amet, bibendum magna. Nunc suscipit tellus nec pretium placerat. Nullam maximus dictum gravida. Nullam euismod lobortis velit eget sodales.

This is a formula :
$$f(n) = \frac{1}{n^2}$$

2 columns grid (default) :

Column 1 text...

lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc.

Column 2 text...

lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc.

Column 3 text...

lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc.

3 columns grid :

Column 1 text...

lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc.

Column 2 text...

lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc.

Column 3 text...

lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc.

Column 4 text...

lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc. Sed euismod, nisl eget ultricies aliquam, nunc nisi aliquet nunc, vitae aliquam nisl nunc eget nunc.

This is a centered paragraph
second line here

This is a right-aligned paragraph
second line here

This is a left-aligned paragraph
second line here

This is now a span to the right: This is a right-aligned span

Here are the different font-sizes available :

This is a f6 paragraph

This is a f8 paragraph

This is a f10 paragraph

This is a f12 paragraph

This is a f14 paragraph

This is a f16 paragraph

This is a f18 paragraph

This is a f20 paragraph

This is a f24 paragraph

This is a f28 paragraph

This is a f32 paragraph

This is a f36 paragraph

This is a f40 paragraph

This is a f44 paragraph

This is a f48 paragraph

This is a f52 paragraph

    Tabluation. This text has a tabulation at the beginning of the line. And this is a second line right there.

table :

Column 1	Column 2
Item 1	Item 2
Item 3	Item 4

Custom colored table :

Column 1	Column 2
Item 1	Item 2
Item 3	Item 4

Column 1		Column 2
Item 1	Item 2	Item 5
Item 3	Item 4	Item 6

Column 1	Column 2
Item 1	Item 2
	Item 3

Column 1			Column 2
Item 1	Item 2	Item 5	Item 8
Item 3		Item 4	Item 7
Item 6	Item 9	Item 10	Item 11

Column 1	Column 2
Item 1	Item 2
Item 3	Item 4

Column 1	Column 2
Item 1	Item 2
Item 3	Item 4

Column 1	Column 2
Item 1	Item 2
Item 3	Item 4

Column 1	Column 2
Item 1	Item 2
Item 3	Item 4

Column 1	Column 2
Item 1	Item 2
Item 3	Item 4

```
This is going to be a very long line of code, in order to see if the overflow
persists or not (especially when we convert this file to pdf).
Here is a second line.
```

---

[1] And here is the explaination
[2] And here is the explaination of the second one