

H1 Markdown Syntax

Markdown is a easy-to-use markup language for writing and this document contains all supported markdown features.

H2 Headings

Headings from `h1` through `h6` are constructed with a `#` for each level:

```
# H1
## H2
### H3
#### H4
##### H5
##### H6
```

Renders to:

H1 h1 Heading

H2 h2 Heading

H3 h3 Heading

H4 h4 Heading

H5 h5 Heading

H6 h6 Heading

H1 Paragraphs

Just write normal text:

Lorem ipsum dolor sit amet, graecis denique ei vel, at duo primis mandamus. Et legere occurreret pri, animal tacimates complectitur ad cum. Cu eum inermis inimicus efficiendi. Labore officiis his ex, soluta officiis concludaturque ei qui, vide sensibus vim ad.

H2 Horizontal Rule

The HTML `<hr>` element is for creating a "thematic break" between paragraph-level elements. In markdown, you can use of the following for this purpose:

- `___` : three consecutive underscores
- `---` : three consecutive dashes
- `***` : three consecutive asterisks

Renders to:

H2 Emphasis

H3 Bold

For emphasizing a snippet of text with a heavier font-weight.

The following snippet of text is **rendered as bold text**.

```
**rendered as bold text**
```

renders to:

rendered as bold text

H3 Italics

For emphasizing a snippet of text with italics.

The following snippet of text is *rendered as italicized text*.

```
_rendered as italicized text_  
*rendered as italicized text*
```

renders to:

rendered as italicized text

rendered as italicized text

H2 Strikethrough

In GFM you can do strickthroughs by wrapping the text with double tildes.

```
~~Strike through this text.~~
```

Which renders to:

~~Strike through this text.~~

H2 Link

Double click the mouse to open the link

[MarkNote] (<https://github.com/cedar12/marknote>)

Renders to:

[MarkNote](#)

H2 Images

Images have a similar syntax to links but include a preceding exclamation point.

```
![MarkNote]  
(https://cdn.jsdelivr.net/gh/cedar12/picgo@main/images/202310161119553.png)
```



```
![MarkNote] (marknote.md.assets\20231016112227.128x128.png)
```



H2 Blockquotes

Used for defining a section of quoting text from another source, within your document.

To create a blockquote, use `>` before any text you want to quote.

```
> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante
```

Renders to:

┆ Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

Blockquotes can also be nested:

```
> Donec massa lacus, ultricies a ullamcorper in, fermentum sed augue.  
Nunc augue augue, aliquam non hendrerit ac, commodo vel nisi.  
>> Sed adipiscing elit vitae augue consectetur a gravida nunc vehicula. Donec  
auctor  
odio non est accumsan facilisis. Aliquam id turpis in dolor tincidunt mollis ac eu  
diam.  
>>> Donec massa lacus, ultricies a ullamcorper in, fermentum sed augue.  
Nunc augue augue, aliquam non hendrerit ac, commodo vel nisi.
```

Renders to:

Donec massa lacus, ultricies a ullamcorper in, fermentum sed augue. Nunc augue augue, aliquam non hendrerit ac, commodo vel nisi.

Sed adipiscing elit vitae augue consectetur a gravida nunc vehicula. Donec auctor odio non est accumsan facilisis. Aliquam id turpis in dolor tincidunt mollis ac eu diam.

Donec massa lacus, ultricies a ullamcorper in, fermentum sed augue. Nunc augue augue, aliquam non hendrerit ac, commodo vel nisi.

H2 Lists

H3 Unordered

A list of items in which the order of the items does not explicitly matter.

You may use any of the following symbols to denote bullets for each list item:

- * valid bullet
- valid bullet
- + valid bullet

For example

- + Lorem ipsum dolor sit amet
- + Consectetur adipiscing elit
- + Integer molestie lorem at massa
- + Facilisis in pretium nisl aliquet
- + Nulla volutpat aliquam velit
 - Phasellus iaculis neque
 - Purus sodales ultricies
 - Vestibulum laoreet porttitor sem
 - Ac tristique libero volutpat at
- + Faucibus porta lacus fringilla vel
- + Aenean sit amet erat nunc
- + Eget porttitor lorem

Renders to:

- Lorem ipsum dolor sit amet
- Consectetur adipiscing elit
- Integer molestie lorem at massa
- Facilisis in pretium nisl aliquet
- Nulla volutpat aliquam velit
 - Phasellus iaculis neque
 - Purus sodales ultricies
 - Vestibulum laoreet porttitor sem
 - Ac tristique libero volutpat at

- Faucibus porta lacus fringilla vel
- Aenean sit amet erat nunc
- Eget porttitor lorem

H3

Ordered

A list of items in which the order of items does explicitly matter.

1. Lorem ipsum dolor sit amet
2. Consectetur adipiscing elit
3. Integer molestie lorem at massa
4. Facilisis in pretium nisl aliquet
5. Nulla volutpat aliquam velit
6. Faucibus porta lacus fringilla vel
7. Aenean sit amet erat nunc
8. Eget porttitor lorem

Renders to:

1. Lorem ipsum dolor sit amet
2. Consectetur adipiscing elit
3. Integer molestie lorem at massa
4. Facilisis in pretium nisl aliquet
5. Nulla volutpat aliquam velit
6. Faucibus porta lacus fringilla vel
7. Aenean sit amet erat nunc
8. Eget porttitor lorem

H3

Time-saving Tip

Sometimes lists change, and when they do it's a pain to re-order all of the numbers. Markdown solves this problem by allowing you to simply use `1.` before each item in the list.

For example:

1. Lorem ipsum dolor sit amet
1. Consectetur adipiscing elit
1. Integer molestie lorem at massa
1. Facilisis in pretium nisl aliquet
1. Nulla volutpat aliquam velit
1. Faucibus porta lacus fringilla vel
1. Aenean sit amet erat nunc
1. Eget porttitor lorem

Automatically re-numbers the items and renders to:

1. Lorem ipsum dolor sit amet
2. Consectetur adipiscing elit
3. Integer molestie lorem at massa

4. Facilis in pretium nisl aliquet
5. Nulla volutpat aliquam velit
6. Faucibus porta lacus fringilla vel
7. Aenean sit amet erat nunc
8. Eget porttitor lorem

H2 Todo List

- [] Lorem ipsum dolor sit amet
- [] Consectetur adipiscing elit
- [] Integer molestie lorem at massa

Renders to:

- ☐ Lorem ipsum dolor sit amet
- ☐ Consectetur adipiscing elit
- ☐ Integer molestie lorem at massa

Links in todo lists

- [] [[foo](#)] ([#bar](#))
- [] [[baz](#)] ([#qux](#))
- [] [[fez](#)] ([#faz](#))

Renders to:

- ☐ [foo](#)
- ☐ [baz](#)
- ☐ [fez](#)

H2 Tables

Tables are created by adding pipes as dividers between each cell, and by adding a line of dashes (also separated by bars) beneath the header (*this line of dashes is required*).

- pipes do not need to be vertically aligned.
- pipes on the left and right sides of the table are sometimes optional
- three or more dashes must be used for each cell in the separator row

Example:

```
| Option | Description |
| ----- | ----- |
| data   | path to data files to supply the data that will be passed into
templates. |
| engine | engine to be used for processing templates. Handlebars is the default.
|
| ext    | extension to be used for dest files. |
```

Renders to:

Option	Description
data	path to data files to supply the data that will be passed into templates.
engine	engine to be used for processing templates. Handlebars is the default.
ext	extension to be used for dest files.

H2 Code

H3 Inline code

Wrap inline snippets of code with a single backtick: ```.

For example, to show `<div></div>` inline with other text, just wrap it in backticks.

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H3 "Fenced" code block

Three consecutive backticks, referred to as "code fences", are used to denote multiple lines of code:

`````.

For example, this:

```
```html
Example text here...
```

Appears like this when viewed in a browser:

```
```html
Example text here...
```

### H3 Syntax highlighting

To activate the correct styling for the language inside the code block, simply add the file extension of the language you want to use directly after the first code "fence": ````javascript`, and syntax highlighting will automatically be applied in the rendered HTML (if supported by the parser). For example, to apply syntax highlighting to JavaScript code:

```
// ```javascript
function main() {
 console.log('MarkNote');
}

// ```
function main() {
 console.log('MarkNote');
}
```

## H2 Math Formulas

### H3 Inline Math Formulas

`$a^2=4$`

Renders to:

$$a^2 = 4$$

### H3 Block Math Formulas

Two consecutive dollar signs are used to denote multiple lines of math formulas: `$$` .

For example, this:

```
$$
R_x=\begin{pmatrix}
1 & 0 & 0 & 0\\
0 & \cos(a) & -\sin(a) & 0\\
0 & \sin(a) & \cos(a) & 0\\
0 & 0 & 0 & 1
\end{pmatrix}
$$
```

or

```
$$
m=\frac{b_y-a_y}{b_x-a_x}
$$
```

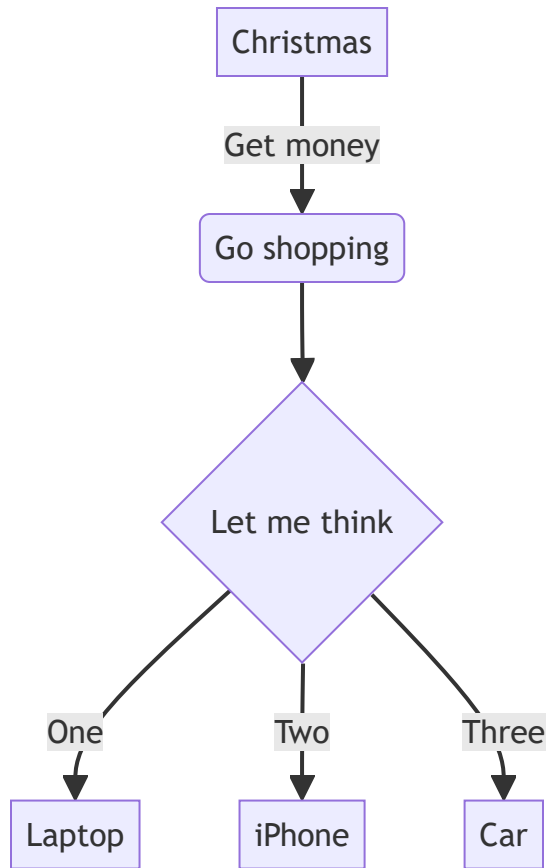
$$R_x = \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & \cos(a) & -\sin(a) & 0 \\ 0 & \sin(a) & \cos(a) & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix}$$
$$m = \frac{b_y - a_y}{b_x - a_x}$$

## H2 Mermaid

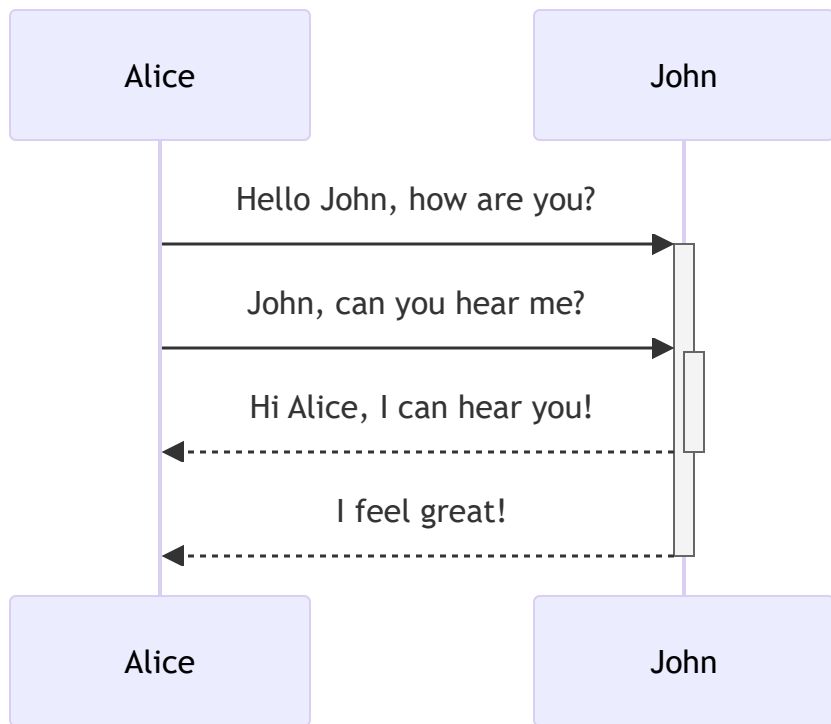
### H3 Flow

```
// ```mermaid
flowchart TD
 A[Christmas] -->|Get money| B[Go shopping]
 B --> C[Let me think]
 C -->|One| D[Laptop]
 C -->|Two| E[iPhone]
 C -->|Three| F[fa:fa-car Car]
```

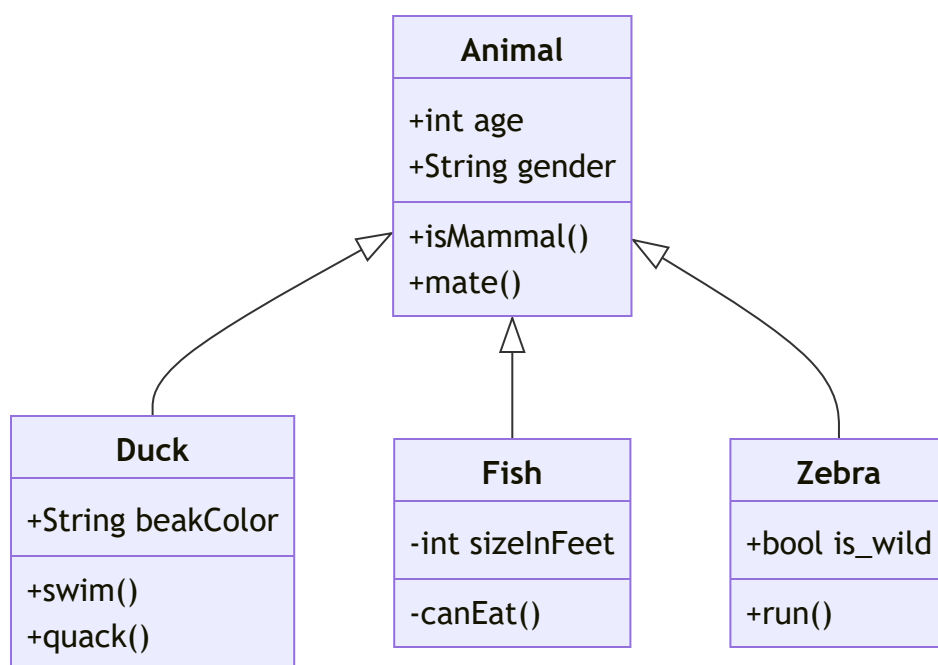




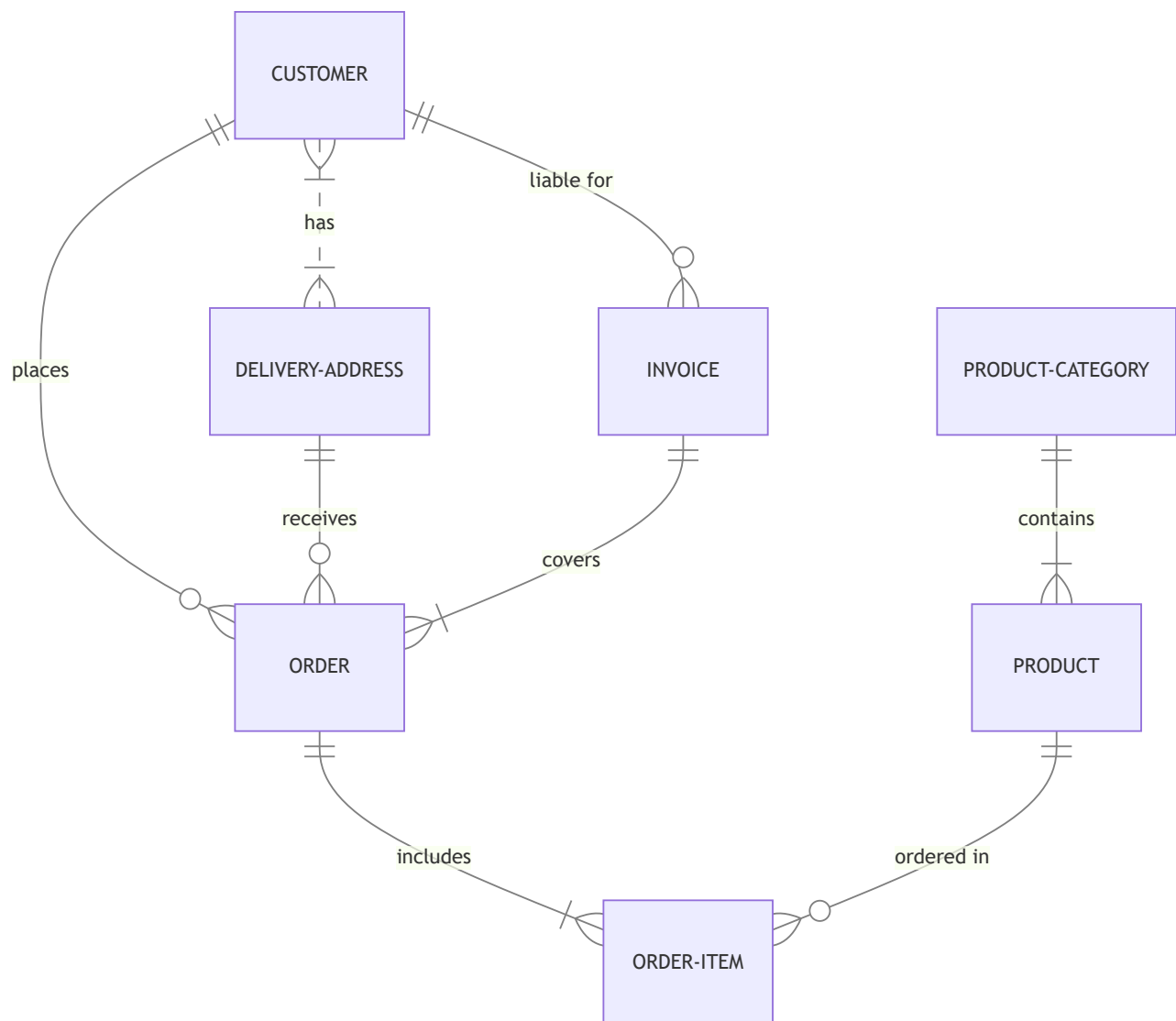
### <sup>H3</sup> Sequence Diagram



### <sup>H3</sup> Class Diagram

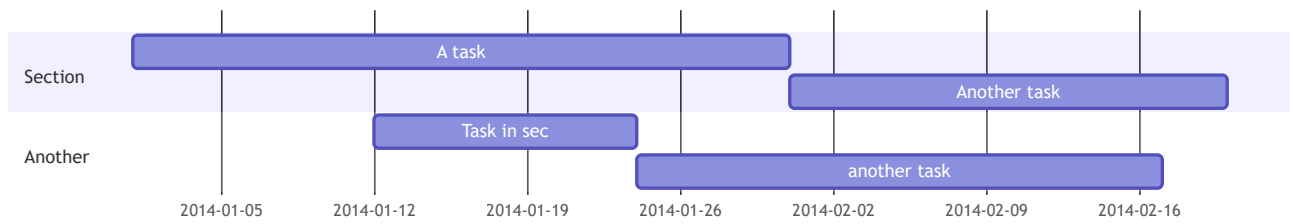


### ER



### Gantt

A Gantt Diagram



H3

## Pie

Pets adopted by volunteers

