

# Quarkdown Mock

Giorgio Garofalo © 2024-2025

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## Abstract

Welcome to **Quarkdown**'s mock document. This comprehensive document serves as a **detailed reference** guide for all the visual elements that can be featured in a Quarkdown-generated document, and is structured to provide **clear and concise examples** of each. It is designed to be a resource for those interested in creating, refining and testing their own themes.

Whether you are looking to experiment with **color schemes, typography, or layout designs**, or just taking a look at some Quarkdown snippets, this mock document will provide the support you need.

To compile this document, run:

```
quarkdown c mock/main.qd -p
```

Different themes and document types may be tested  
by changing the first lines of `main.qd`.

- [Quarkdown on GitHub](#)
  - [Quarkdown Wiki](#)
  - Several quotes from this document were taken from [Bob Ross Lipsum](#)
-

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# 1. Headings

## First-level heading

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## Second-level heading

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## Third-level heading

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#### **Fourth-level heading**

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#### **Fifth-level heading**

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#### **Sixth-level heading**

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam aliquet ut erat nec suscipit. Mauris vitae massa eu leo molestie ullamcorper. Fusce ornare neque quis faucibus laoreet. Pellentesque mauris sapien, pretium sed leo vitae, aliquam suscipit dolor. Aenean egestas congue rutrum. Nunc eget eros eu justo fringilla lobortis efficitur non est. In ultrices lectus ac iaculis cursus. Phasellus at luctus nibh, non porttitor ex. Vestibulum ligula metus, dignissim ac nisi non, tristique hendrerit purus.

## 2. Paragraphs

All you need is a dream in your heart, and an almighty knife. Learn when to stop. No pressure. Just relax and watch it happen. Get away from those little Christmas tree things we used to make in school.

Let your heart be your guide. A thin paint will stick to a thick paint. There comes a nice little fluffer. It's a very cold picture, I may have to go get my coat. It's about to freeze me to death.

And I know you're saying, 'Oh Bob, you've done it this time.' And you may be right. You have to make almighty decisions when you're the creator. You create the dream – then you bring it into your world.

Anytime you learn something your time and energy are not wasted. Just think about these things in your mind and drop em' on canvas. At home you have unlimited time. Isn't that fantastic? You can just push a little tree out of your brush like that.

Little trees and bushes grow however makes them happy. The light is your friend. Preserve it. Let's make some happy little clouds in our world. When you do it your way you can go anywhere you choose. You can create anything that makes you happy.

Zip. That easy. If you don't think every day is a good day – try missing a few. You'll see. Get tough with it, get strong. Think about a cloud. Just float around and be there.

Here we're limited by the time we have. With something so strong, a little bit can go a long way. You don't have to spend all your time thinking about what you're doing, you just let it happen. Just let your mind wander and enjoy. This should make you happy. A big strong tree needs big strong roots.

# 3. Lists

## 3.1. Unordered

### Tight

My favorite foods:

- Some delicious pasta
- A huge pizza
- A lot of sushi
- A tasty burger

### Loose

My favorite foods:

- Some delicious pasta
- A huge pizza
- A lot of sushi
- A tasty burger

## Nested

- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam aliquet ut erat nec suscipit. Mauris vitae massa eu leo molestie ullamcorper. Fusce ornare neque quis faucibus laoreet. Pellentesque mauris sapien, pretium sed leo vitae, aliquam suscipit dolor. Aenean egestas congue rutrum. Nunc eget eros eu justo fringilla lobortis efficitur non est. In ultrices lectus ac iaculis cursus. Phasellus at luctus nibh, non porttitor ex. Vestibulum ligula metus, dignissim ac nisi non, tristique hendrerit purus.
  - The quick brown fox jumps over the lazy dog
  - The quick brown fox jumps over the lazy dog
- The quick brown fox jumps over the lazy dog
  - The quick brown fox jumps over the lazy dog
    - The quick brown fox jumps over the lazy dog
  - The quick brown fox jumps over the lazy dog

## 3.2. Ordered

### Tight

My favorite foods:

1. Some delicious pasta
2. A huge pizza
3. A lot of sushi
4. A tasty burger

### Loose

My favorite foods:

1. Some delicious pasta
2. A huge pizza
3. A lot of sushi
4. A tasty burger

## Nested

1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam aliquet ut erat nec suscipit. Mauris vitae massa eu leo molestie ullamcorper. Fusce ornare neque quis faucibus laoreet. Pellentesque mauris sapien, pretium sed leo vitae, aliquam suscipit dolor. Aenean egestas congue rutrum. Nunc eget eros eu justo fringilla lobortis efficitur non est. In ultrices lectus ac iaculis cursus. Phasellus at luctus nibh, non porttitor ex. Vestibulum ligula metus, dignissim ac nisi non, tristique hendrerit purus.

1. The quick brown fox jumps over the lazy dog
2. The quick brown fox jumps over the lazy dog
2. The quick brown fox jumps over the lazy dog
  1. The quick brown fox jumps over the lazy dog
  2. The quick brown fox jumps over the lazy dog

### 3.3. Tasks

#### Tight

Today's shopping list:

- Some delicious pasta
- A huge pizza
- A lot of sushi
- A tasty burger

#### Loose

Today's shopping list:

- Some delicious pasta
- A huge pizza
- A lot of sushi
- A tasty burger

## 4. Images



The quick brown fox jumps over the lazy dog. This is a separator text.



Figure 4.1



Figure 4.2: The Quarkdown icon.



Figure 4.3: 20% of page width.

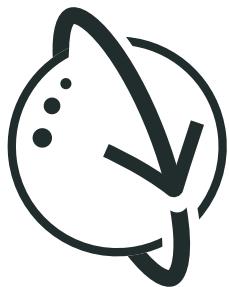


Figure 4.4: 40% of page width.

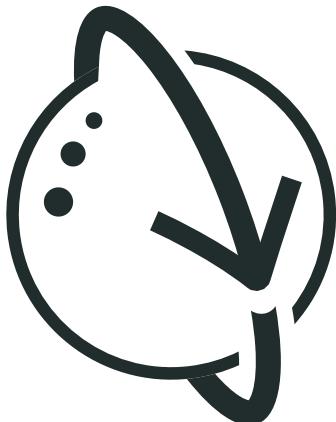


Figure 4.5: 60% of page width.



Figure 4.6: A high-resolution picture.

## 4.1. Floating

---

The more that you practice, the more you're able to visualize things. Beauty is everywhere; you only have to look to see it. However you want to change this, that's the way it should be. It's a lot of fun. If you comply with that rule, how can you go wrong? Get a nice, even distribution of paint all through the bristles. We don't know where that goes—it doesn't matter at this point. Let's just have a good time.

Anything you are willing to practice, you can do! Think like a cloud.



The more that you practice, the more you're able to visualize things. Beauty is everywhere; you only have to look to see it. However you want to change this, that's the way it should be. It's a lot of fun. If you comply with that rule, how can you go wrong? Get a nice, even distribution of paint all through the bristles. We don't know where that goes—it doesn't matter at this point. Let's just have a good time.

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Anything you are willing to practice, you can do! Think like a cloud.



## 4.2. Clipping

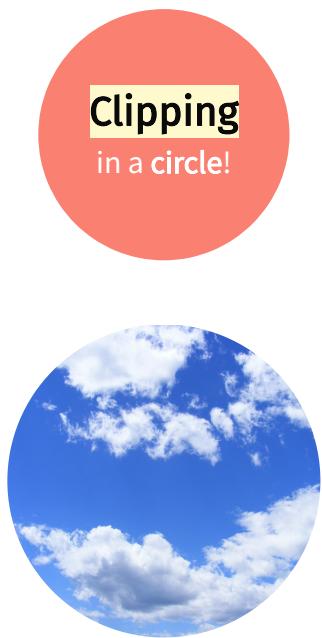


Figure 4.7: A nice sky.

*Photo credits: [Pixabay](#)*

# 5. Tables

Name	Age	City
Alice	30	New York
Bob	25	San Francisco
Charlie	35	Los Angeles

Table 5.1

The quick brown fox jumps over the lazy dog. This is a separator text.

Name	Age	City
Alice	30	New York
Bob	25	San Francisco
Charlie	35	Los Angeles

Table 5.2: User information.

	Jump	Move left	Move right	Ability	Sprint
Player 1	W, Space	A	D	Shift	CTRL
Player 2	Up	Left	Right	X	Z

Table 5.3: Key bindings of the game.

# 6. Code

## Default

```
1  public final class Wrapper<T> {  
2      private final T value;  
3  
4      public Wrapper(T value) {  
5          this.value = value;  
6      }  
7  
8      public final T getValue() {  
9          return this.value;  
10     }  
11 }
```

## With caption

```
1  public final class Wrapper<T> {  
2      private final T value;  
3  
4      public Wrapper(T value) {  
5          this.value = value;  
6      }  
7  
8      public final T getValue() {  
9          return this.value;  
10     }  
11 }
```

A wrapper class

## Focused

```
1  public final class Wrapper<T> {
2      private final T value;
3
4      public Wrapper(T value) {
5          this.value = value;
6      }
7
8      public final T getValue() {
9          return this.value;
10     }
11 }
```

## Without line numbers

```
public final class Wrapper<T> {
    private final T value;

    public Wrapper(T value) {
        this.value = value;
    }

    public final T getValue() {
        return this.value;
    }
}
```

# 7. Text formatting

## 7.1. Emphasis

You can't have light without dark. You can't know *happiness* unless you've known **sorrow**. Let's have a ~~nice tree right here~~. Now **we don't want him to get lonely**, so we'll give him a little *friend*. We start with a *vision* in our *heart*, and ~~we put it on canvas~~. If I *paint something*, I don't want to *have* to explain what it is.

## 7.2. Code

After running `quarkdown c file.qd -p`, a webserver will run on port 8089 . It may also be changed it via `--server-port <port>` . Combining `-p` with `-w` enables live content reload!

## 7.3. Link

Did you know [Quarkdown's wiki](#) is a great place to start? Check it out!

## 7.4. Advanced formatting

This is an *example* of what you can do with just a few things, a little imagination and a happy dream in your heart. THAT EASY.

The quick brown fox jumps over **the lazy dog.**

The quick brown fox jumps over the lazy dog.

the quick BROWN FOX Jumps Over The Lazy Dog.

THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG.

## 8. Color preview

#000000 •

#FFFFFF ○

#32A852 ●

rgb(255, 0, 255) ■

hsl(350, 55, 40) ▲

hsv(190, 50, 90) ▲

## 9. Blockquotes

*The quick brown fox jumps over the lazy dog.*

*Let your imagination be your guide. Maybe we got a few little happy bushes here, just covered with snow. A big strong tree needs big strong roots.*

— Bob Ross

*You miss 100% of the shots you don't take.*

— Wayne Gretzky

— Michael Scott

## 9.1. Alerts

**Tip:** Some useful information.

The quick brown fox jumps over the lazy dog.

**Note:** Something to be aware of.

The quick brown fox jumps over the lazy dog.

**Warning:** Something to be cautious about.

The quick brown fox jumps over the lazy dog.

**Important:** Some critical information.

The quick brown fox jumps over the lazy dog

## 10. Boxes

Don't fight it, use what happens. That's what makes life fun. That you can make these decisions. That you can create the world that you want. Once you learn the technique, ohhh! Turn you loose on the world; you become a tiger.

- The quick brown fox jumps over the lazy dog.
- The quick brown fox jumps over the lazy dog.

### The quick brown fox jumps over the lazy dog

Don't fight it, use what happens. That's what makes life fun. That you can make these decisions. That you can create the world that you want. Once you learn the technique, ohhh! Turn you loose on the world; you become a tiger.

- The quick brown fox jumps over the lazy dog.
- The quick brown fox jumps over the lazy dog.

## 10.1. Alerts

### 💡 The quick brown fox jumps over the lazy dog

Don't fight it, use what happens. That's what makes life fun. That you can make these decisions. That you can create the world that you want. Once you learn the technique, ohhh! Turn you loose on the world; you become a tiger.

- The quick brown fox jumps over the lazy dog.
- The quick brown fox jumps over the lazy dog.

### ⓘ The quick brown fox jumps over the lazy dog

Don't fight it, use what happens. That's what makes life fun. That you can make these decisions. That you can create the world that you want. Once you learn the technique, ohhh! Turn you loose on the world; you become a tiger.

- The quick brown fox jumps over the lazy dog.
- The quick brown fox jumps over the lazy dog.

## **The quick brown fox jumps over the lazy dog**

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- The quick brown fox jumps over the lazy dog.
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## **The quick brown fox jumps over the lazy dog**

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- The quick brown fox jumps over the lazy dog.
- The quick brown fox jumps over the lazy dog.

# 11. Math

## Inline

Let  $F(u)$  be the *Fourier Transform* of the function  $f(x)$ .

## Block

$$F(u) = \int_{-\infty}^{\infty} f(x)e^{-2\pi i ux} dx$$

## Multiline block

$$f(x) = \begin{cases} x^2, & \text{if } x \geq 0 \\ -x, & \text{if } x < 0 \end{cases}$$

## Numbered block

$$E = mc^2 \tag{1}$$

**Tip:** Quarkdown supports TeX macros.

$$\binom{n}{k} = \frac{n!}{k!(n-k)!}$$

## 12. Footnotes

The search for planets beyond our solar system – exoplanets – has transformed modern astronomy. Ever since the first confirmed detection of an exoplanet orbiting a sun-like star in 1995<sup>1</sup>, astronomers have cataloged thousands more, revealing an incredible diversity of worlds.

Many exoplanets are found using the transit method, where astronomers detect a slight dip in a star’s brightness when a planet passes in front of it<sup>2</sup>. This method, popularized by missions like *Kepler*, has uncovered planets of all sizes—from Earth-like rocky worlds to gas giants larger than Jupiter.

Another technique is the radial velocity method, which detects the gravitational wobble a planet induces in its host star<sup>3</sup>. This was how the first exoplanet, 51 Pegasi b, was confirmed<sup>1</sup>. Combining both transit and radial velocity data allows scientists to estimate a planet’s density and composition.

Surprisingly, many exoplanets challenge our understanding of planetary systems. Hot Jupiters, for example, are massive gas giants orbiting extremely close to their stars—something not seen in our own solar system<sup>4</sup>. These discoveries force astronomers to refine models of planetary formation and migration<sup>3</sup>.

With next-generation telescopes like the James Webb Space Telescope (JWST), scientists hope to study the atmospheres of distant exoplanets in greater detail<sup>2</sup>. By analyzing the starlight passing through a planet’s atmosphere during a transit, researchers can search for signatures of water, methane, or even biosignatures—potential signs of life.

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<sup>1</sup>Mayor & Queloz, 1995—discovery of 51 Pegasi b.

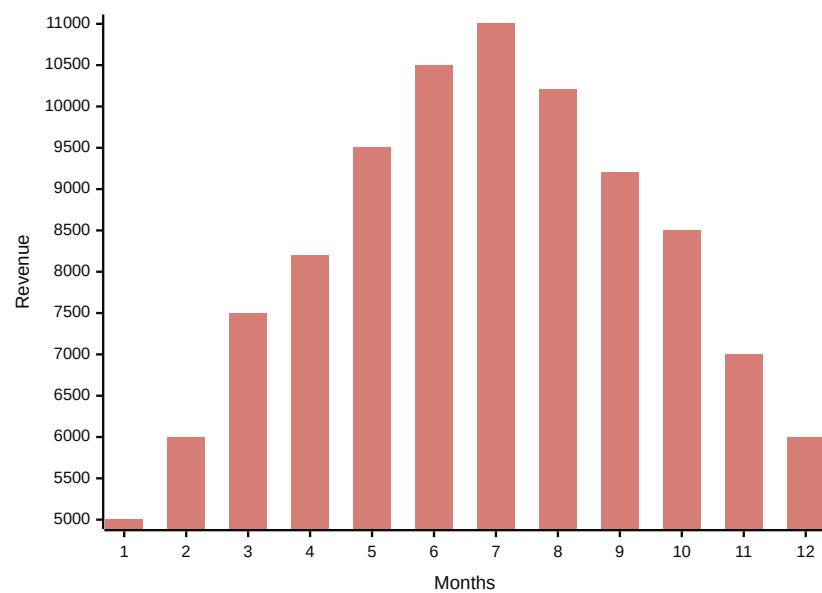
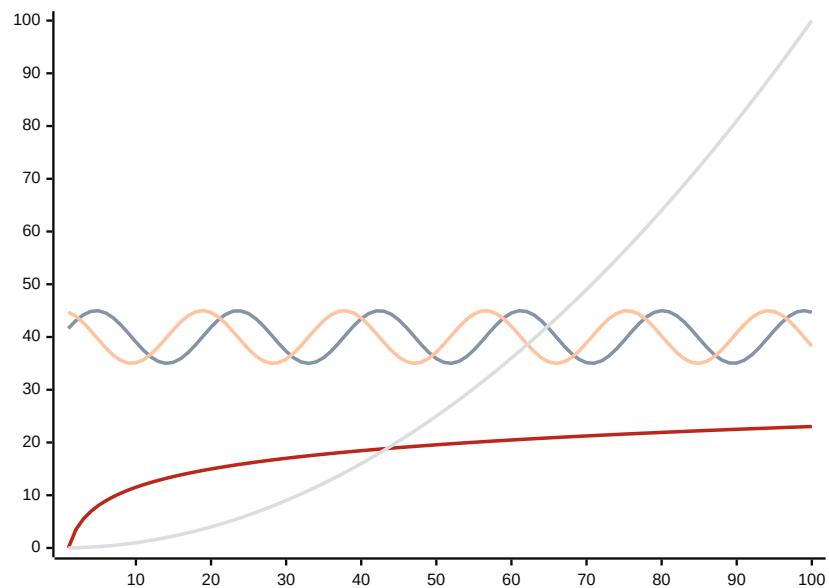
<sup>2</sup>The transit method was used extensively by NASA’s *Kepler* mission.

<sup>3</sup>Radial velocity method measures the Doppler shift in a star’s spectrum.

<sup>4</sup>Hot Jupiters are believed to have migrated inward from their original formation zone.

# 13. Mermaid diagrams

## 13.1. XY chart



## 13.2. Class diagram

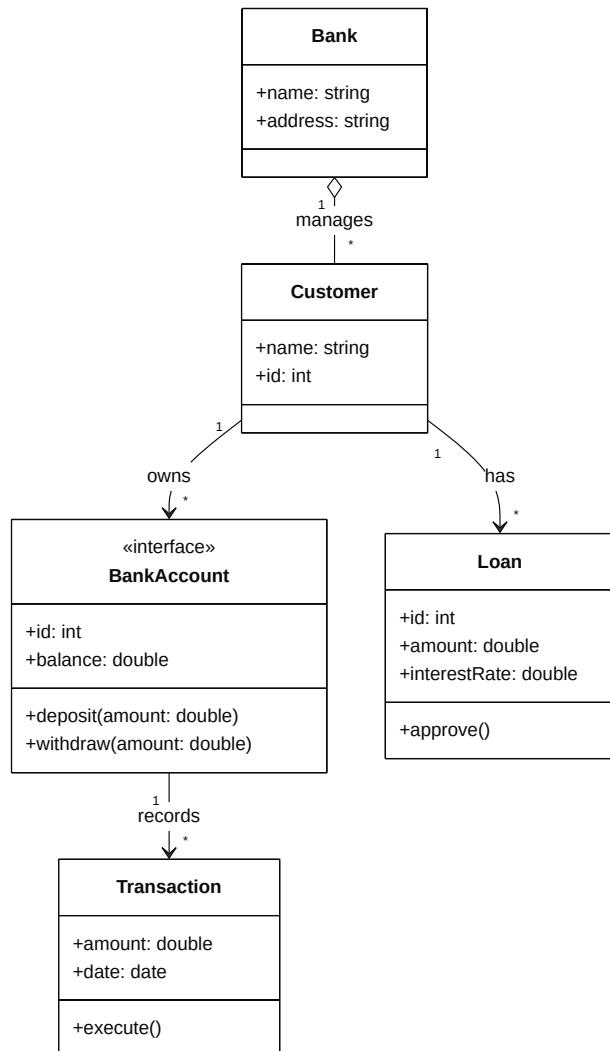


Figure 13.1: Class diagram of a bank system.

### 13.3. Sequence diagram

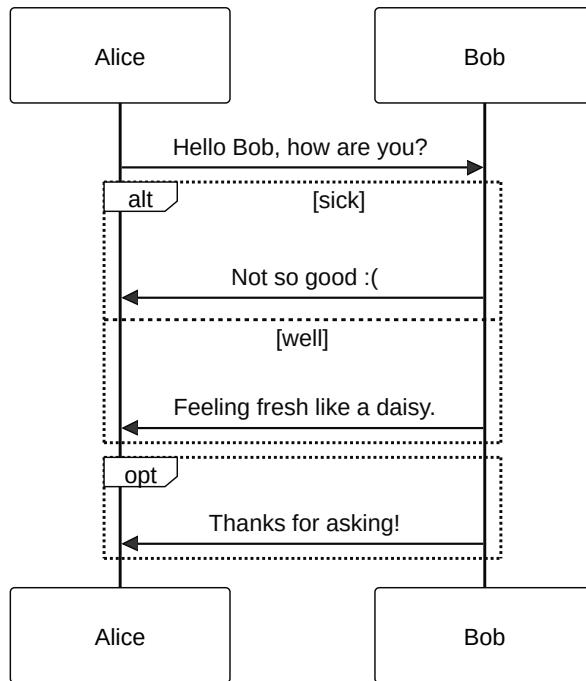


Figure 13.2: Sequence diagram of a communication.

## 13.4. Flowchart

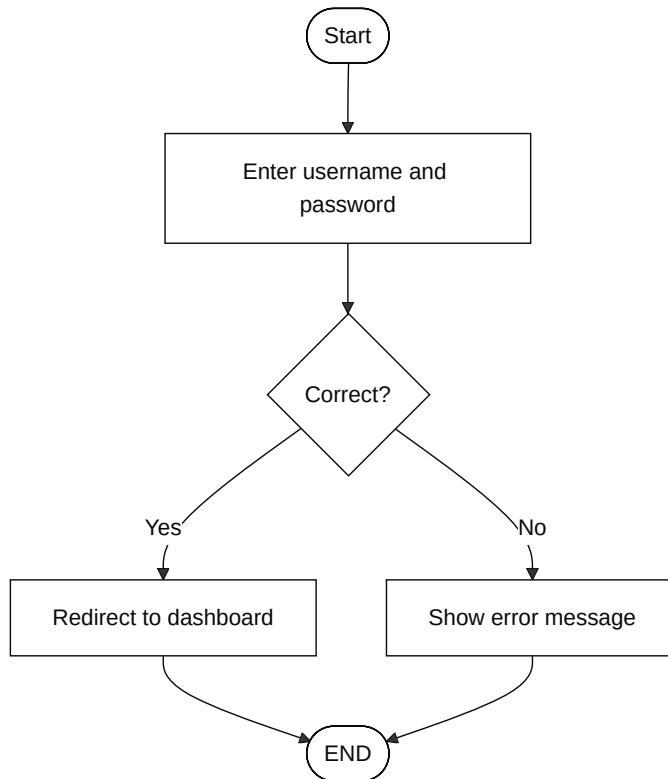


Figure 13.3: Flowchart of the dashboard.

## 13.5. Git graph

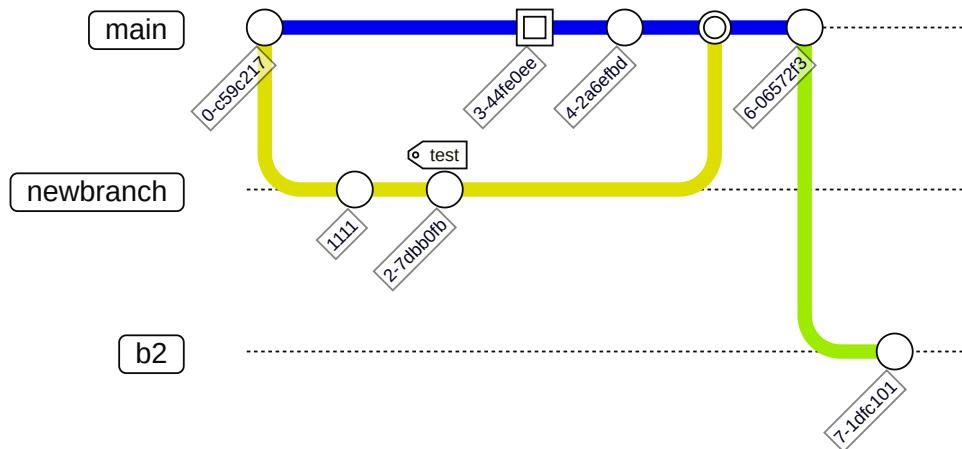


Figure 13.4: Graph of a Git repository.

## 13.6. Pie chart

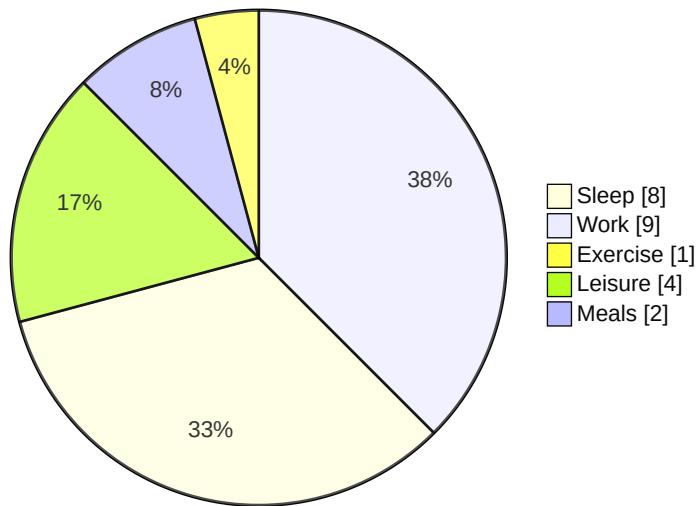


Figure 13.5: Pie chart of a daily routine.

# 14. Collapsibles

## Block

▼ A collapsible block. *Click me!*

  Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam aliquet ut erat nec suscipit. Mauris vitae massa eu leo molestie ullamcorper. Fusce ornare neque quis faucibus laoreet. Pellentesque mauris sapien, pretium sed leo vitae, aliquam suscipit dolor. Aenean egestas congue rutrum. Nunc eget eros eu justo fringilla lobortis efficitur non est. In ultrices lectus ac iaculis cursus. Phasellus at luctus nibh, non porttitor ex. Vestibulum ligula metus, dignissim ac nisi non, tristique hendrerit purus.

## Inline

  Here is an inline collapsible text, which you [can click here!](#)

# 15. Errors

## Error: row

```
Cannot call function row(...) with arguments (Error demonstration!, Hello!):  
No such element 'Error demonstration!' among values [start, center, end,  
spacebetween, spacearound, spaceevenly]
```

```
.row alignment:{Error demonstration!}  
Hello!
```

# 16. Icons

heart becomes ;

heart-fill becomes ;

arrow-down becomes ;

arrow-down-fill becomes ;

airplane-fill becomes ;

warning-triangle becomes ;

github becomes ;

# 17. Separators

## Horizontal

The quick brown fox jumps over the lazy dog.

---

The quick brown fox jumps over the lazy dog.

## Vertical

A              D

B        |        E

C              F

# 18. Alignment

## Start

The quick brown fox jumps over the lazy dog.

The brown fox jumps over the lazy dog.

The fox jumps over the dog.

## Center

The quick brown fox jumps over the lazy dog.

The brown fox jumps over the lazy dog.

The fox jumps over the dog.

## End

The quick brown fox jumps over the lazy dog.

The brown fox jumps over the lazy dog.

The fox jumps over the dog.

# 19. Layout stacks

Here positioning techniques will be used: rows, columns, grids and containers.

ABCD

---

A

---

B

---

C

---

D

---

A  
B  
C

---

ABC  
DEF

---

Left **Title** Right

Top  
**Title**  
Bottom

## Container 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam aliquet ut erat nec suscipit. Mauris vitae massa eu leo molestie ullamcorper. Fusce ornare neque quis faucibus laoreet. Pellentesque mauris sapien, pretium sed leo vitae, aliquam suscipit dolor. Aenean egestas congue rutrum. Nunc eget eros eu justo fringilla lobortis efficitur non est. In ultrices lectus ac iaculis cursus. Phasellus at luctus nibh, non porttitor ex. Vestibulum ligula metus, dignissim ac nisi non, tristique hendrerit purus.

## Container 2

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## Container 1

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## Some nice clouds!

A    B    C



There it is. In nature, dead trees are just as normal as live trees. Just a happy little shadow that lives in there. If you didn't have baby clouds, you wouldn't have big clouds.

---

That's it.



# 20. Cross-references

Section 20 shows various examples of cross-references. For instance, the Quarkdown icon shown in Figure 20.1 features a circular design.



Figure 20.1: The Quarkdown icon

In mathematics, a circle with center at  $(a, b)$  and radius  $r$  is defined by (2):

$$(x - a)^2 + (y - b)^2 = r^2 \quad (2)$$

(2) is a special case of the more general equation (3), which defines an ellipse.

$$\frac{(x - a)^2}{r_x^2} + \frac{(y - b)^2}{r_y^2} = 1 \quad (3)$$

An ellipse is not a polygon. Table 20.1 shows polygons and their properties.

Polygon	Sides	Internal angle sum
Triangle	3	$180^\circ$
Quadrilateral	4	$360^\circ$
Pentagon	5	$540^\circ$
Hexagon	6	$720^\circ$

Table 20.1

# 21. Bibliography

Einstein's publication [1] in 1905 revolutionized the field of physics, particularly in the realm of special relativity. His work laid the foundation for modern theoretical physics and has been cited extensively in subsequent research.

Similarly, Hawking's book [2] has had a profound impact on our understanding of cosmology and black holes.

## References

- [1] A. Einstein, "Zur Elektrodynamik bewegter Körper. (German) [On the electrodynamics of moving bodies]," *Annalen der Physik*, vol. 322, no. 10, 1905.
- [2] S. Hawking, *A Brief History of Time*: Bantam Books, 1988.
- [3] D. Knuth, "Knuth: Computers and Typesetting." <http://www-cs-faculty.stanford.edu/~uno/abcde.html>.

## 22. Ad-hoc locale adaptation

Quarkdown can dynamically adapt to different locales.

Try changing the document language to *Chinese* in `setup.qd` and see this page magically morph!

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