PRESENTATION URL

https://bit.ly/3gsbj34

QR Code:



_https://ovidiocbba.github.io/reveal_js_presentation/



A FRAMEWORK FOR AMAZING HTML PRESENTATION

Presentation created by: Simón Ovidio Miranda Chiri /ovidio.miranda@jalasoft.com

GitHub repository



AGENDA

- Introduction
- Installation
- Content
 - Backgrounds
 - Media
 - Code
 - Math
 - Fragments
 - Lists
 - Tables
 - Quotes
 - Links



AGENDA

- Customization
 - Themes
 - Transitions Styles
- Features
 - Vertical Slides
 - PDF Export
 - Overview Mode
 - Fullscreen mode



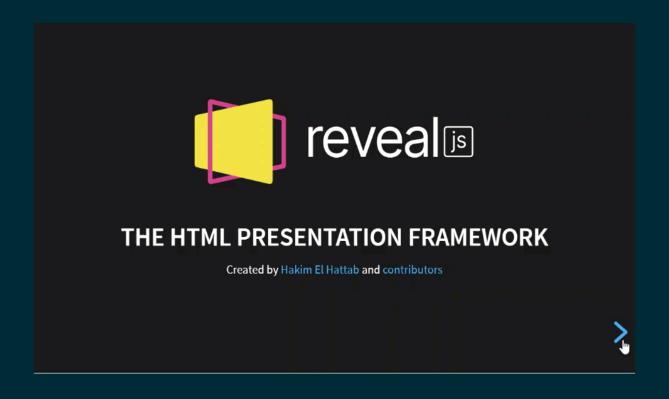
AGENDA

- Plugins
 - Multiplex
 - Menu
 - Copy Code
 - Chart
 - PlantUML
 - Mapbox-gl
 - Quiz
 - Drawer
- Extras
- Resources





Framework for creating presentations using HTML.





It's open source, developed by the Hakim El Hattab.

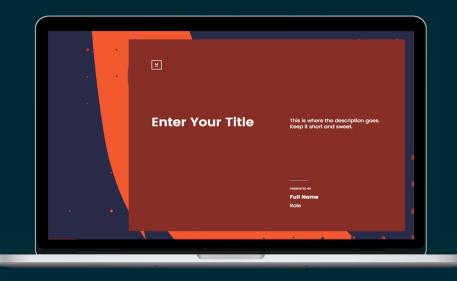




Presentations are responsive styling to the device on which they are viewed.









INSTALLATION



INSTALLATION

1. Download the latest reveal.js version.

https://github.com/hakimel/reveal.js/archive/master.zi

- 2. Unzip and replace the example contents in index.htn with your own.
- 3. Open index.html in a browser to view it.

That's it 🔊 .



INDEX.HTML

```
<!DOCTYPE html>
     <html lang="en">
     <head>
4
       <title>Example</title>
5
       <!-- Basic stylesheet for all presentations made with reveal.js. -->
       <link rel="stylesheet" href="dist/reveal.css">
6
7
       <!-- Theme used for slides -->
       <link rel="stylesheet" href="dist/theme/sky.css">
8
9
     </head>
     <body>
10
     <div class="reveal"> <!-- The slides go inside "reveal" class. -->
11
12
       <div class="slides"> <!-- And inside "slides" class. -->
         <section>Slide 1</section> <!-- Each slide goes within a section. -->
13
         <!-- Example of Slide. -->
14
         <section>
15
          <h2>Example</h2>
16
          The content.
17
         </section>
18
       </div>
19
20
     </div>
     <script src="dist/reveal.js"></script> <!-- Library for using reveal.js -->
21
22
     <script>
```



index.html hosted with \bigcirc by GitHub

CONTENT



BACKGROUNDS

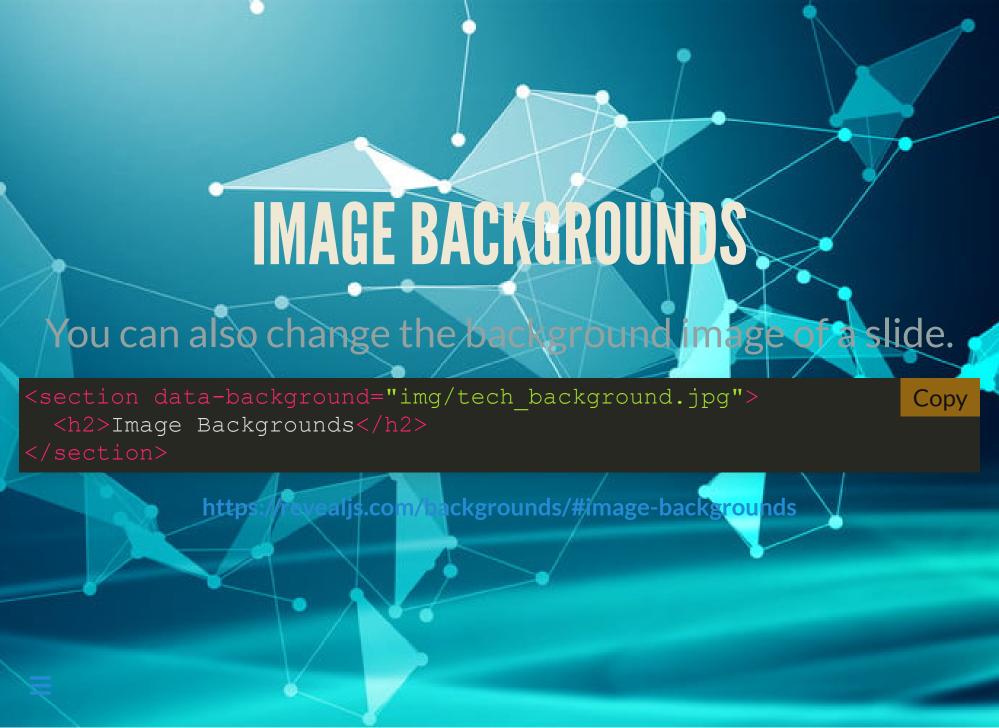


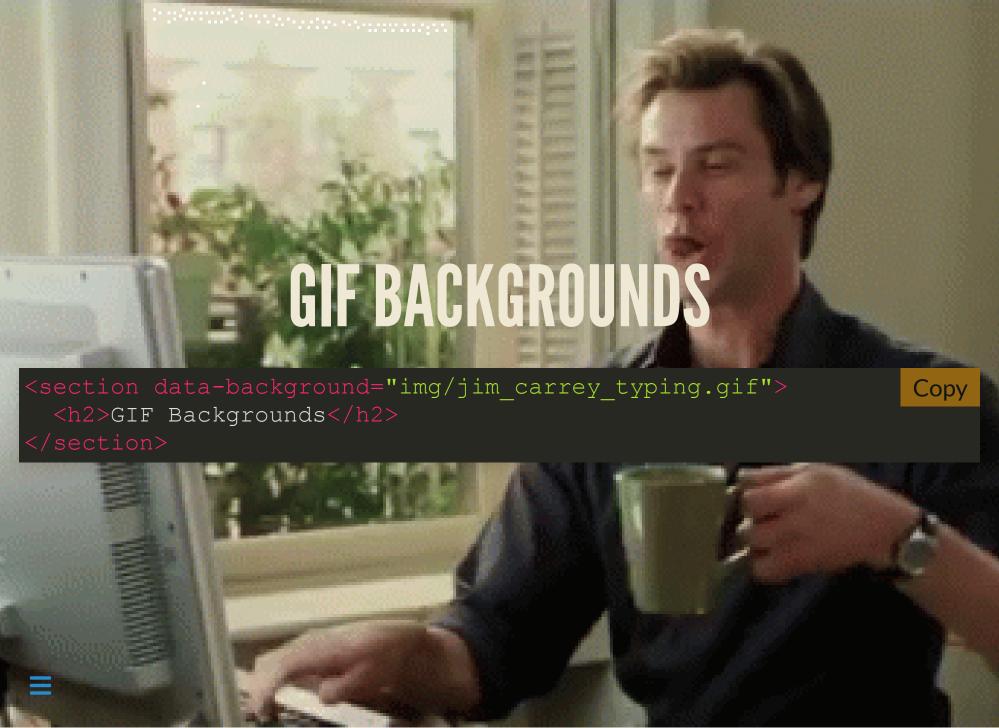
SLIDE BACKGROUNDS

With data-background you can change the background color of a specific slide. All CSS colors are supported

https://revealjs.com/backgrounds/#color-backgrounds







VIDEO BACKGROUNDS

https://revealjs.com/backgrounds/#video-backgrounds



BACKGROUND TRANSITIONS

You can override background transitions per-slide.

https://revealjs.com/backgrounds/#background-transitions



MEDIA



VIDEO

<video controls data-autoplay data-src="video/travel.mp4" type="video/mp4"></video controls data-autoplay data-src="video/travel.mp4" type="video/mp4"></video/copy</pre>





https://revealjs.com/media/#lazy-loading



CODE



PRETTY CODE

Make sure that a syntax highlight theme is included.

Add CSS import:

```
<!-- Theme used for syntax highlighting of code --> Copy <link rel="stylesheet" href="plugin/highlight/monokai.css" id="highlight-theme">
```

Add Script file import:



PRETTY CODE

Code syntax highlighting courtesy of highlight.js.

```
public int getAverage(int[] marks) {
    return (int) IntStream.of(marks).average().orElse(Double.NaN);
}
```

https://revealjs.com/code/



PRETTY CODE

```
public Boolean validate(String eanCode) {
    String twelveDigits = eanCode.substring(0, eanCode.length() - 1);
    int result = Stream.of(twelveDigits.split(""))
        .mapToInt(Integer::parseInt)
        .map(number -> number % TWO == 0 ? number : number * TREE)
        .sum();
    int calcChecksum = (result % TEN == 0) ? 0 : TEN - (result % TEN);
    int lastNumber = Integer.parseInt(eanCode.substring(eanCode.length() - 1
    return calcChecksum == lastNumber;
}
```

```
<code class="hljs java" data-trim data-line-numbers="2|3-6|7|8-9"> Copy
    Example code.
</code>
```

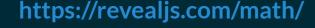
https://revealjs.com/code/#step-by-step-highlights





If you want to display math equations in your presentation you can easily do so with the MathJax plugin

Add Script file import:





The Lorenz Equations

$$egin{aligned} \dot{x} &= \sigma(y-x) \ \dot{y} &=
ho x - y - xz \ \dot{z} &= -eta z + xy \end{aligned}$$



The Cauchy-Schwarz Inequality

$$\left(\sum_{k=1}^n a_k b_k
ight)^2 \leq \left(\sum_{k=1}^n a_k^2
ight) \left(\sum_{k=1}^n b_k^2
ight)^2$$



A Cross Product Formula

$$\mathbf{V}_1 imes \mathbf{V}_2 = egin{bmatrix} \mathbf{i} & \mathbf{j} & \mathbf{k} \ rac{\partial X}{\partial u} & rac{\partial Y}{\partial u} & 0 \ rac{\partial X}{\partial v} & rac{\partial Y}{\partial v} & 0 \ \end{pmatrix}$$



Maxwell's Equations

$$egin{align}
abla imes ec{\mathbf{B}} - & rac{1}{c} rac{\partial ec{\mathbf{E}}}{\partial t} = rac{4\pi}{c} ec{\mathbf{j}} \
abla \cdot ec{\mathbf{E}} = 4\pi
ho \
abla imes ec{\mathbf{E}} + & rac{1}{c} rac{\partial ec{\mathbf{B}}}{\partial t} = ec{\mathbf{0}} \
abla \cdot ec{\mathbf{B}} = 0 \
abla \cdot ec{\mathbf{B}} = 0 \
abla \cdot ec{\mathbf{B}} = 0 \
abla \cdot ec{\mathbf{E}} + & \mathbf{0} \
abla \cdot ec{\mathbf{B}} = 0 \
abla \cdot ec{\mathbf$$



FRAGMENTS



FRAGMENTS

Hit the next arrow...

... to step through ...

... a fragmented slide.



FRAGMENTS

Example:

Fragment 1

Fragment 2

Fragment 3

https://revealjs.com/fragments/



FRAGMENT STYLES

There's different types of fragments, like:

grow

shrink

strike



FRAGMENT STYLES

```
<section>
  fade-right
  fade-up
  fade-down
  fade-left
  </section>
```

fade-right fade-up fade-down





FRAGMENT STYLES

```
<section>
    Fade in
    Fade out
    Fade in, then out
    Fade in, then semi out
    </section>
```

Fade in

Fade out

Fade in, then semi out



FRAGMENT STYLES

```
<section>
  Highlight red
  Highlight green
  Highlight blue
  </section>
```

Highlight red

Highlight green

Highlight blue



LISTS



UNORDERED LIST

- Coffee
- Tea
- Milk



ORDERED LIST

```
<section>

      HTML
      Java
      JavaScript
      SQL

<
```

- 1. HTML
- 2. Java
- 3. JavaScript
- 4. SQL



DESCRIPTION LISTS

Bread

A baked food made of flour.

Coffee

A drink made from roasted coffee beans.



A NESTED LIST

- Coffee
- Tea
 - Black tea
- Milk



TABLES

Item	Value	Quantity
Apples	\$1	7
Lemonade	\$2	18



CLEVER QUOTES

"Checkstyle is a development tool to help programmers write Java code that adheres to a coding standard."



LINKS

You can create links from one slide to another.

Go to the Agenda



CUSTOMIZATION



THEMES

Reveal.js comes with a few themes built in:

Black (default) - Beige - Blood - League - Moon - Night -Serif - Sky - Simple - Sky - Solarized - White

<link rel="stylesheet" href="dist/theme/beige.css" id="theme" Copy</pre>



TRANSITIONS STYLES

You can select from different transitions, like:

None - Fade - Slide - Convex - Concave - Zoom

transition: 'convex', // none/fade/slide/convex/concave/zoom. Copy



FEATURES



VERTICAL SLIDES

Slides can be nested inside of each other.

```
<section>Horizontal Slide</section>
<section>Level 1</section>
    <section>Level 2</section>
</section>
```





LEVEL 1

Nested slides are useful for adding additional detail underneath a high level horizontal slide.



LEVEL 2

That's it, time to go back up.





PDF EXPORT



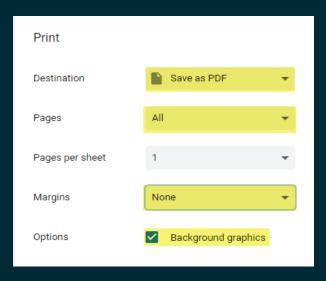
EXPORT TO PDF

1. Open the presentation with Google Chrome adding

?print-pdf Copy

https://ovidiomiranda.gitlab.io/reveal_js_presentation/?print-pdf

- 2. Open the in-browser print dialog (CTRL+P).
- 3. Set the following settings.





EXPORT TO PDF

Separate Pages for Fragments

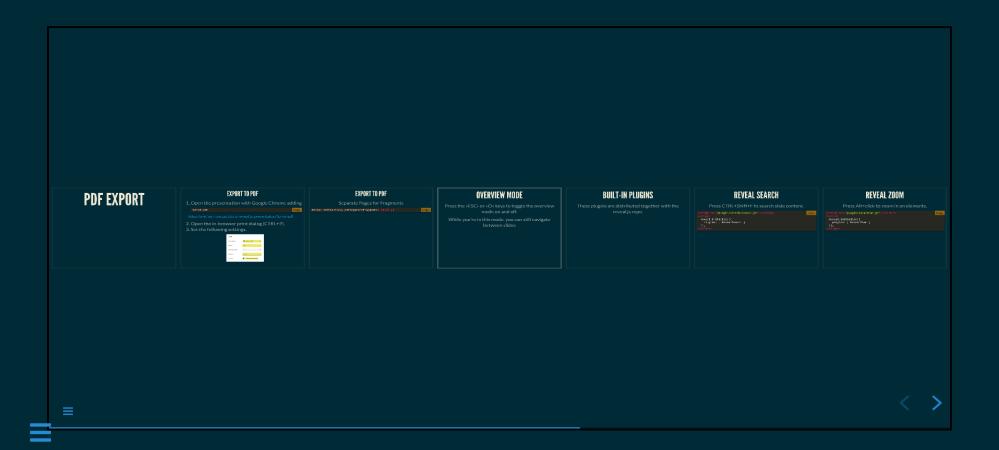
Reveal.initialize({ pdfSeparateFragments: false })

Copy



OVERVIEW MODE

Press the **ESC**« or **O**« keys to toggle the overview mode on and off.



BUILT-IN PLUGINS

These plugins are distributed together with the reveal.js repo.



REVEAL SEARCH

Press CTRL+Shift+F to search slide content.

```
<script src="plugin/search/search.js"></script>
  <script>
   Reveal.initialize({
     plugins: [ RevealSearch ]
     });
</script>
```



REVEAL ZOOM

Press Alt+click to zoom in on elements.



REVEAL NOTES

There's a speaker view. It includes a timer, preview of the upcoming slide as well as your speaker notes.

Press the 'S' key to try it out.

<aside class="notes">Enter speaker notes here.</aside>

Copy



PLUGINS



MULTIPLEX PLUGIN

The multiplex plugin needs the following three things to operate:

1. Generate a unique secret and token pair for your master and client presentations.

You can use the socket.io server at: https://reveal-multiplex.glitch.me/

- 2. Master presentation that has control.
- 3. Client presentations that follow the master. https://github.com/reveal/multiplex



MULTIPLEX PLUGIN - GETTING STARTED

- 1. Navigate to your reveal.js folder.
- 2. npm install reveal-multiplex
 - node_modules/reveal-multiplex
- 3. npm install node-static
 - node_modules/node-static

Download Dependencies



MULTIPLEX PLUGIN - MASTER PRESENTATION

This need only be on your (the presenter's) computer.

```
Reveal.initialize({
    multiplex: {
        // Obtained from the socket.io server.
        secret: '13652805320794272084', // Gives this (the master) control of the presentat:
        id: '1ea875674b17ca76', // Id, obtained from socket.io server.
        url: 'https://reveal-multiplex.glitch.me/' // Location of socket.io server.
    },

    // Don't forget to add the dependencies.
    dependencies: [
        { src: 'https://reveal-multiplex.glitch.me/socket.io/socket.io.js', async: true },
        { src: 'https://reveal-multiplex.glitch.me/master.js', async: true }
}
```



MULTIPLEX PLUGIN - CLIENT PRESENTATION

Your audience can then access the client presentation via: https://ovidiocbba.github.io/reveal_js_presentation/

```
Reveal.initialize({
    multiplex: {
        secret: null, // null so the clients do not have control of the master presentation.
        id: 'lea875674b17ca76', // Id, obtained from socket.io server.
        url: 'https://reveal-multiplex.glitch.me/' // Location of socket.io server
    },

    // Don't forget to add the dependencies.
    dependencies: [
        { src: 'https://reveal-multiplex.glitch.me/socket.io/socket.io.js', async: true },
        { src: 'https://reveal-multiplex.glitch.me/client.js', async: true }
    }
});
```



REVEALJS - MENU

Download Menu plugin

Add the plugin to the dependencies in your presentation, as below.

https://github.com/denehyg/reveal.js-menu



COPY CODE

Download CopyCode plugin

Copy the copycode folder to the plugins folder of the reveal.js folder.

https://github.com/Martinomagnifico/reveal.js-copycode



REVEALJS - CHART

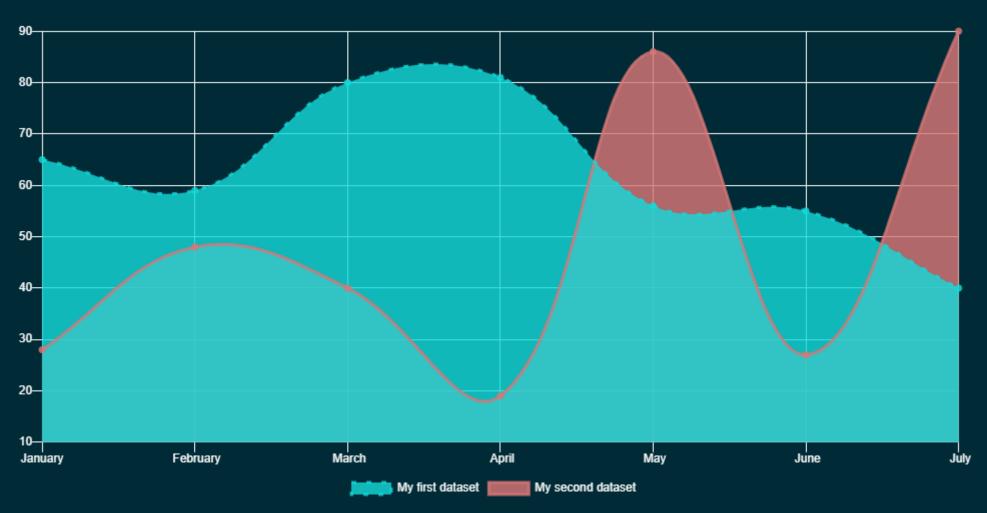
Download Chart plugin

Copy the files Chart.min.js and plugin.js into the plugin folder of your reveal.js presentation.



REVEALJS - CHART

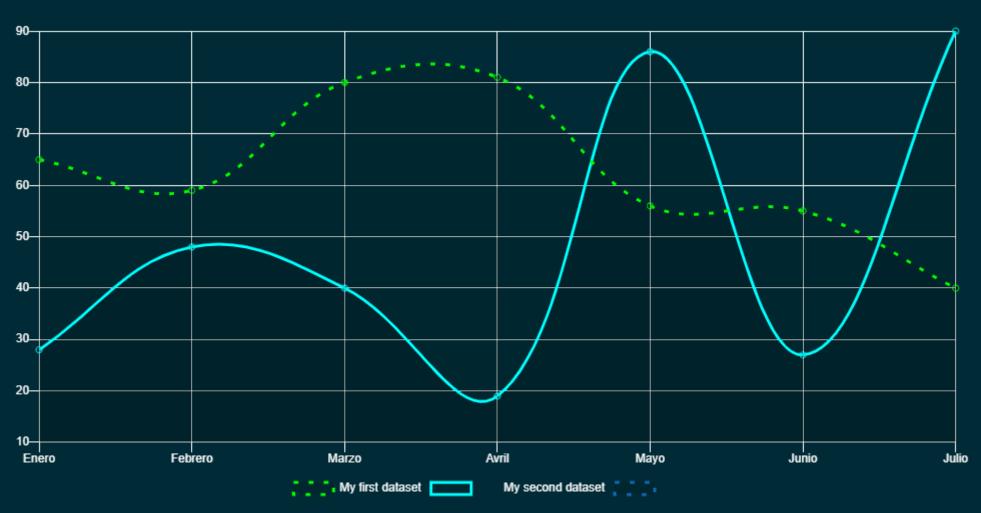
Line chart from JSON string





REVEALJS - CHART

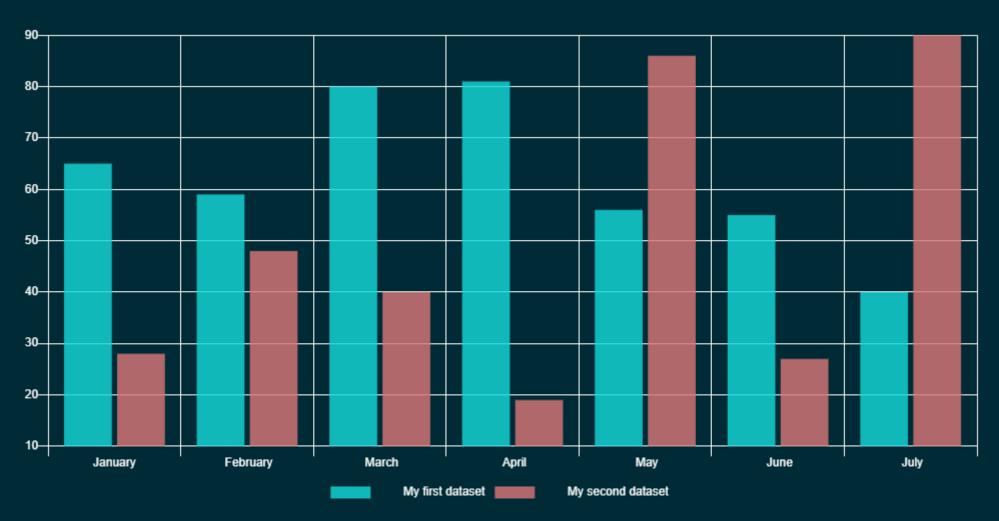
Line chart with CSV data and JSON configuration





REVEALJS - CHART

Bar Chart with CSV data

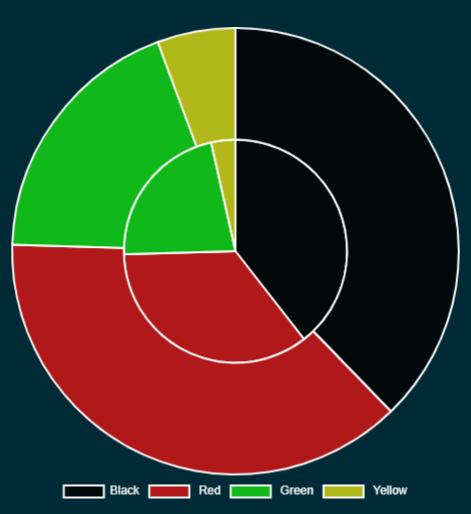




≡

REVEALJS - CHART







≡

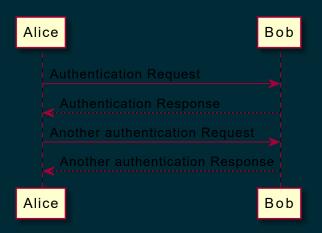
REVEALJS - PLANTUML

You can use the plugin directly from CDN:

https://github.com/reveal-plantuml/reveal-plantuml.github.io

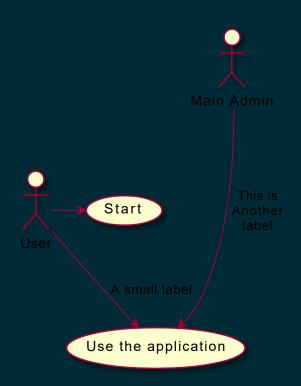


REVEALJS - PLANTUML





REVEALJS - PLANTUML





REVEALJS - MAPBOX-GL

Download Mapbox-gl plugin

Add CSS import:

```
<!-- Styles for Reveal.js Mapbox-gl plugin--> 
<link rel="stylesheet" href="https://api.tiles.mapbox.com/mapbox-gl-js/v0.46.0/mapbox-gl.css"> Copy
```

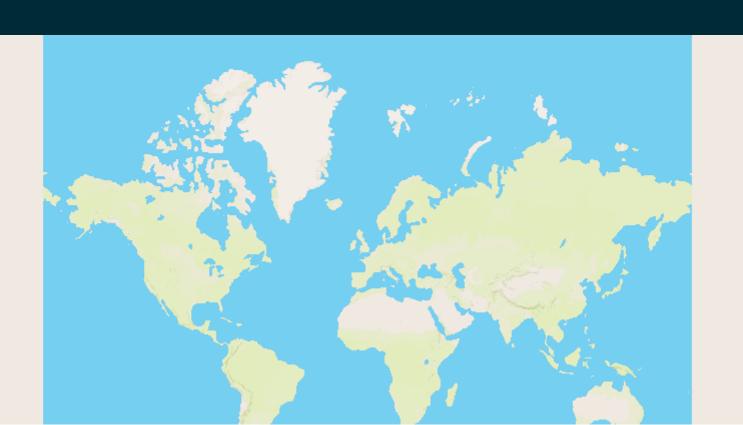
Add the plugin to the dependencies in your presentation

```
Reveal.initialize({
    // ...
    dependencies: [
        // ...
        { src: 'https://api.tiles.mapbox.com/mapbox-gl-js/v0.46.0/mapbox-gl.js' },
        { src: 'plugin/mapbox-gl/mapbox-gl.js'},
        // ...
        ],
        mapbox: {accessToken: "pk.eyJlIjoibGlwb3YzY3ozayIsImEiOiJjamo3YXlwNTMwdHVlM3FvM3E2dmcxMWZsIn0.9Ax3qI8});
</script>
```











REVEALJS - QUIZ

Download Quiz plugin

Load it as a dependency in Reveal.initialize, as seen below

https://gitlab.com/schaepermeier/reveal.js-quiz



TEST YOUR KNOWLEDGE!!

Think you're smart enough to be on Jeopardy? Find out with this super crazy knowledge quiz!

Get Started!



REVEALJS - DRAWER

Download Drawer plugin

Add CSS import:

```
<link rel="stylesheet" href="plugin/drawer/drawer.css">
```

Сору

Copy

Add Script file import:

```
<script src="plugin/drawer/drawer.js"></script>
```

Add the plugin to the dependencies in your presentation.

REVEALJS - DRAWER

Keybindings (default):

- T toggle drawing board
- D toggle mode (drawing or not drawing)
- Ctrl + Z remove last line from current slide
- "1", "2", "3", "4" change selected color (base on the order)

https://github.com/burnpiro/reveal-drawer



EXTRAS



EXTRAS

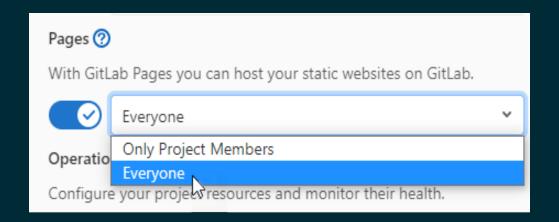
Upload your presentation using GitLab Pages.

```
.gitlab-ci.yml
                                                                  Copy
pages:
                                                                  Copy
  stage: deploy
  script:
  - mkdir .public
  - cp -r * .public
  - mv .public public
  artifacts:
    paths:
    - public
  only:
  - master
```



EXTRAS - GITLAB PAGES

To make your website publicly available, navigate to your project's 'Settings > General > Visibility' and select 'Everyone' in pages section.



https://ovidiomiranda.gitlab.io/reveal_js_presentation



EXTRAS - GITLAB PAGES

Learn more about GitLab Pages at:

https://pages.gitlab.io

The official documentation:

https://docs.gitlab.com/ce/user/project/pages/

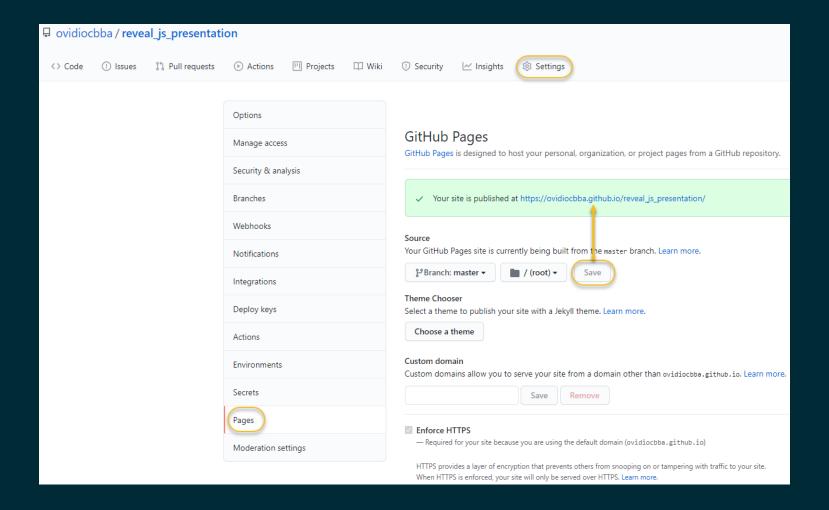
Examples:

https://gitlab.com/pages





Upload your presentation using GitHub Pages.



MARKDOWN SUPPORT

Add Script file import:

```
<script src="plugin/markdown/markdown.js"></script>
```

Сору

Add the plugin to the dependencies in your presentation.

```
<script>
  Reveal.initialize({
     plugins: [ RevealMarkdown ]
     });
</script>
```

https://revealjs.com/markdown/



MARKDOWN SUPPORT

It is possible to create content using Markdown.

It is used on platforms such as GitHub, GitLab, Stack Exchange or SourceForge.

More information here

```
<section data-markdown>
    ## Markdown Support

It is possible to create content using *Markdown*.

It is used on platforms such as GitHub, GitLab, Stack Exchange of More information [here] (http://daringfireball.net/projects/markdown>
```

MARKDOWN - CODE

```
<section data-markdown>
       <script type="text/template">
         ## Markdown Support
4
5
         It is possible to create content using *Markdown*.
6
7
         It is used on platforms such as GitHub, GitLab, Stack Exchange or SourceForge.
8
         More information [here](http://daringfireball.net/projects/markdown/)
9
10
         . . .
11
12
         <section data-markdown>
           ## Markdown Support
13
14
           It is possible to create content using *Markdown*.
15
16
           It is used on platforms such as GitHub, GitLab, Stack Exchange or SourceForge.
17
18
           More information [here](http://daringfireball.net/projects/markdown/)
19
20
         </section>
21
22
       </script>
```



index.html hosted with \bigcirc by GitHub

MARKDOWN - RESOURCES

https://www.markdownguide.org/basic-syntax/

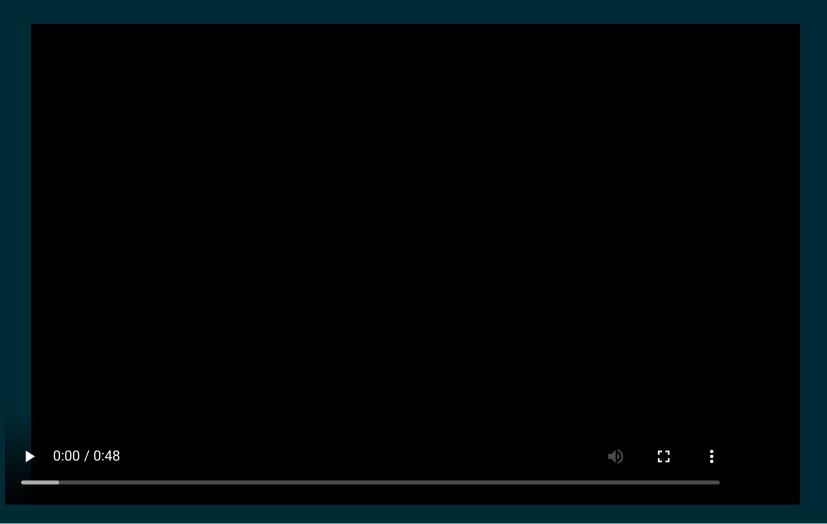
MarkShow, A reveal.js presenter, with live editor.

- https://mark.show/#/
- https://mark.show/?source=https://mark.show/demo.md



ONLINE VISUAL EDITOR

Slides.com is an fully featured, online editor for those of you who prefer a user-friendly GUI.





RESOURCES



RESOURCES

Official Reveal.js Links

- https://revealjs.com/
- https://github.com/hakimel/reveal.js
- https://slides.com/
- Hakim El Hattab creador de Reveal.JS
- Mastering reveal.js Introduction-Video

More Plugins and Tools

https://github.com/hakimel/reveal.js/wiki/Plugins,-Tools-and-Hardware



