



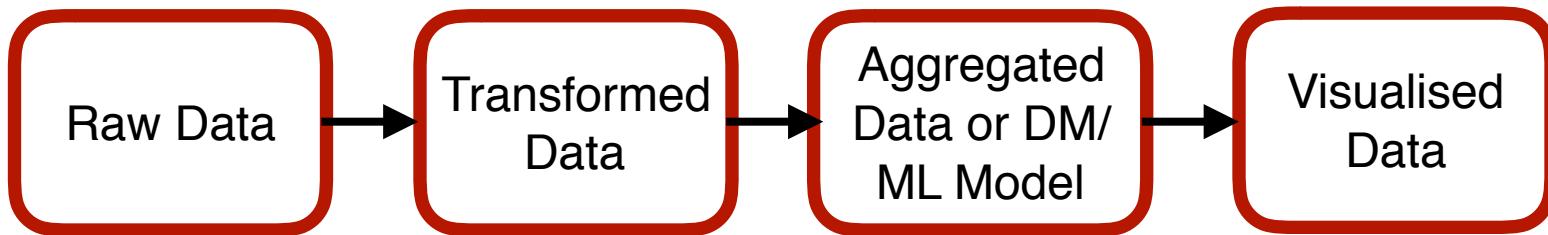
# RESPONSIVE WEB DEVELOPMENT WITH BOOTSTRAP & JQUERY

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Center for  
Entrepreneurship

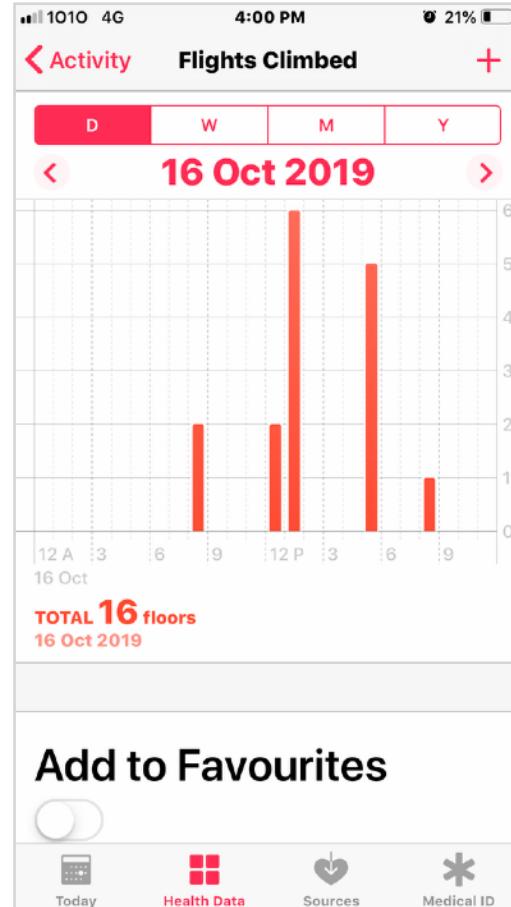
# **RECAP**

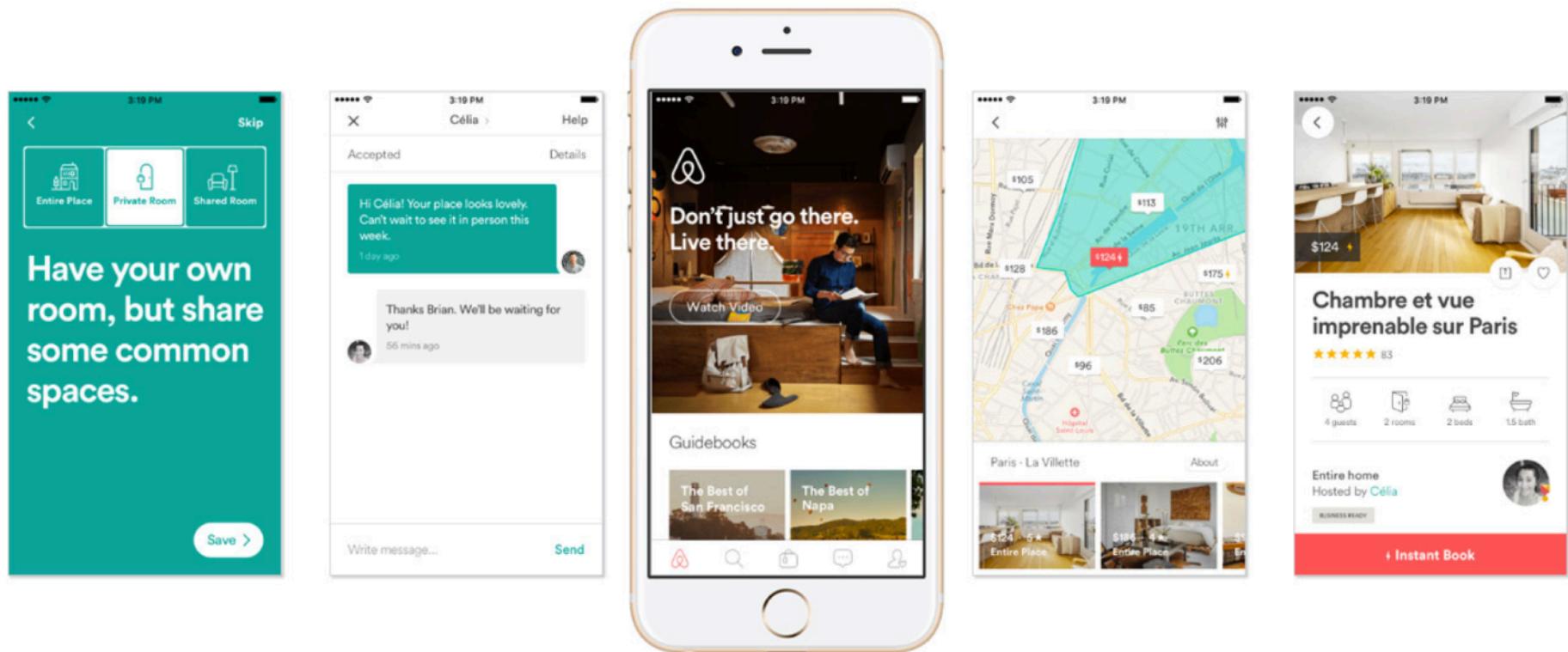


- CSV or JSON data scrapped from websites, collected through survey, downloaded from open data or acquired through API and IoT
- Identify incomplete, inconsistent and inaccurate dataset for storage, processing and transformation before being used.
- Find patterns in data through aggregates, metrics/KPI, and machine learning algorithms.
- Visualise data to support decision making across contexts and media throughout the user journey using a dashboard approach.

\*DM - Data Mining  
ML - Machine Learning

# **Examples**





Source: Airbnb

# **Dashboard Rollup in Airtable**

The following data comes from this [Google Refine tutorial](#) ([Thanks to d3-Medial!](#)), which provides a short excercise for beginners to master Refine for data cleaning quickly. The cleaned data was later imported into a Drupal database for front-end presentation that you now see.

Show  entriesSearch:

Customer	Product code	Number	Address	City	Country	Contact
akzo	TV	12	Leeuwardenweg 179	arnhem	the netherlands	m p. vansen
akzo	Computer	5	Leeuwardenweg 180	arnhem	the netherlands	m p. bransen
akzo	radio	34	Leeuwardenweg 181	arnhem	the netherlands	m p. janssen
akzo	tablet	5	Leeuwardenweg 182	arnhem	the netherlands	mevr l. rokken
akzo	tablet	9	Leeuwardenweg 183	arnhem	the netherlands	mevr l. lokken

Showing 1 to 5 of 25 entries

Previous 1 2 3 4 5 Next

[http://suenlabs.com/dataviz\\_demo/table.html](http://suenlabs.com/dataviz_demo/table.html)

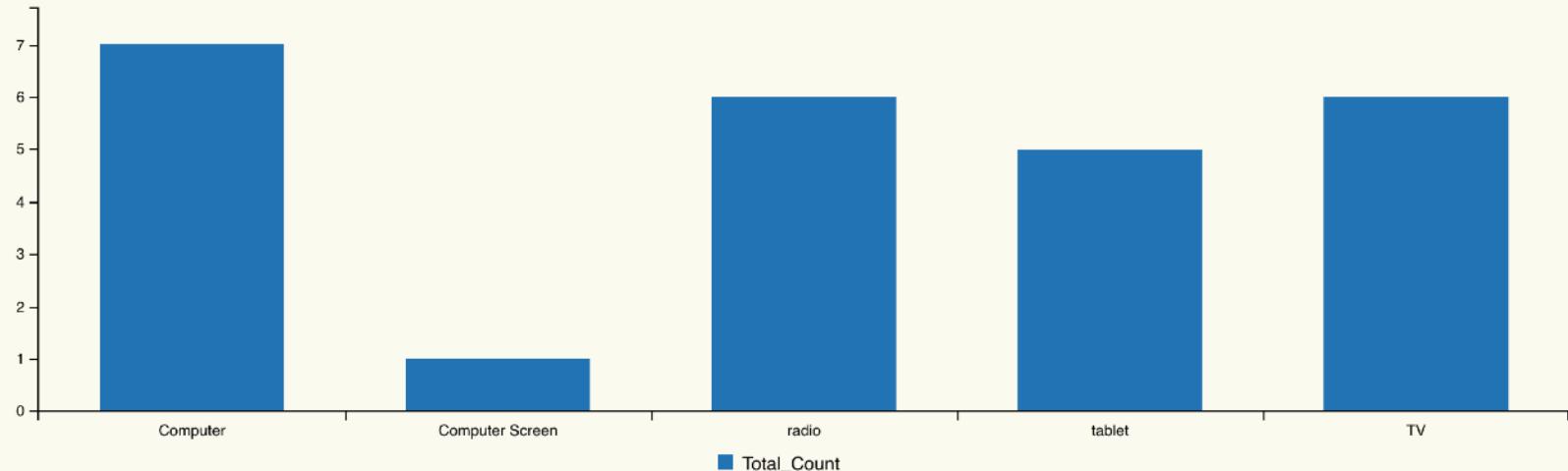
Please select

Bar Chart

Line Chart

Click here to see the details in a table.

Aggregated JSON data displayed in current chart



[http://suenlabs.com/dataviz\\_demo/chart.html](http://suenlabs.com/dataviz_demo/chart.html)

# **How to use Airtable to create visualisable metrics and KPI?**

# **Advanced Field Types**

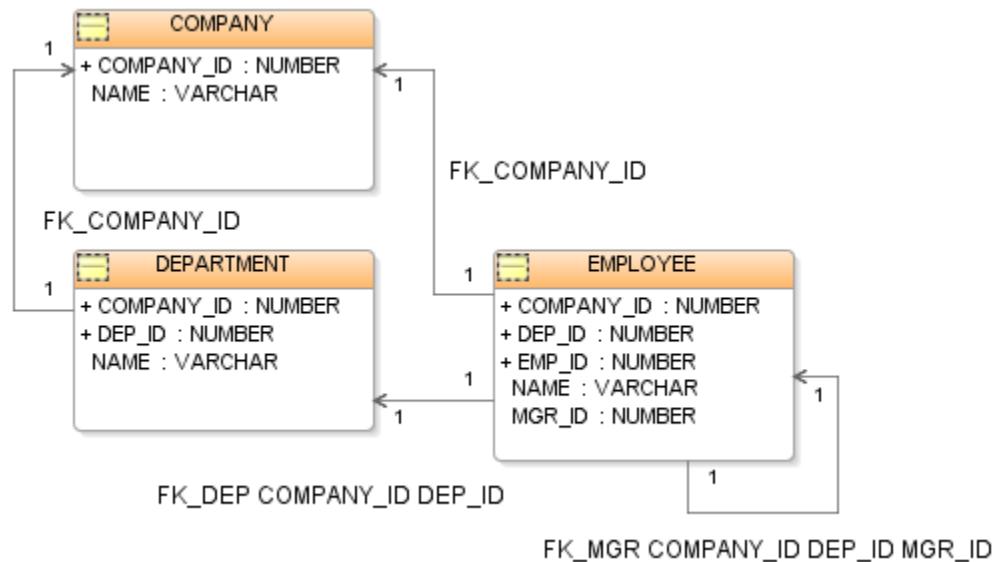
# **Formula Field**

<https://www.youtube.com/watch?v=PkfydCZF9Gc>

# **Link Field**

<https://www.youtube.com/watch?v=hxuIKNGIIYw>

# Link Field Provides the Foundation for Building Data Model



Source: commons.wikimedia.org

## **Lookup Field (Based on Link Field)**

<https://www.youtube.com/watch?v=INr1G3Bc2tA>

# **Rollup Field**

<https://www.youtube.com/watch?v=ksFiYFfO8vM>

# **Rollup Field Is a Supercharged Lookup Field**

**Use Rollup Field for Generating  
Aggregated Data Required for the Charts  
Used in the Dashboard**

## Rollup Field

A rollup field is like a supercharged **lookup field** which can perform aggregated functions on the looked up values.

# Imported Base

HELP ? 🔔 3 🚙

Imported table +

SHARE ⌂ BLOCKS

	company	Product	number	geocode2	gender	initial	name
1	phillips	radio	5	Groningensingel 147, arn...	m	p	Jansen
2	phillips	radio	43	Groningensingel 148, arn...	m	p	Hansen
3	phillips	computer	3	Groningensingel 149, arn...	m	j	Gansen
4	phillips	computer	34	Groningensingel 150, arn...	m	p	Mansen
5	phillips	computer	12	Groningensingel 151, arnh...	m	p	Fransen
6	phillips	radio	23	Groningensingel 152, arn...	m	p	Franssen
7	akzo	tv	43	Leeuwardenweg 178, arn...	m	p	Bansen
8	akzo	tv	12	Leeuwardenweg 179, arn...	m	p	Vansen
9	akzo	computer	5	Leeuwardenweg 180, arn...	m	p	Bransen
10	akzo	radio	34	Leeuwardenweg 181, arnh...	m	p	Janssen
11	akzo	table	5	Leeuwardenweg 182, arn...	f	l	Rokken
12	akzo	table	9	Leeuwardenweg 183, arn...	f	l	Lokken
13	akzo	computer	8	Leeuwardenweg 184, arn...	f	l	Mokken
14	phillips	radio	56	Delfzijlstraat 54, arnhem, ...	f	l	Mokken
15	phillips	tv	67	Delfzijlstraat 55, arnhem...	f	l	Mokken

25 records

## Imported Base

HELP ?  

SHARE  BLOCKS 

	A company	A Product	product type	A number	A geocode2	A gender	A initial
1	phillips	radio	product type		Groningensingel 147, arn...	m	p
2	phillips	radio	product type		Groningensingel 148, arn...	m	p
3	phillips	computer	product type		Groningensingel 149, arn...	m	j
4	phillips	computer	product type		Groningensingel 150, arn...	m	p
5	phillips	computer	product type		Groningensingel 151, arnh...	m	p
6	phillips	radio	product type		Groningensingel 152, arn...	m	p
7	akzo	tv	product type		Leeuwardenweg 178, arn...	m	p
8	akzo	tv	product type		Leeuwardenweg 179, arn...	m	p
9	akzo	computer	product type		Leeuwardenweg 180, arn...	m	p
10	akzo	radio	radio	34	Leeuwardenweg 181, arnh...	m	p
11	akzo	tablet	tablet	5	Leeuwardenweg 182, arn...	f	l
12	akzo	tablet	tablet	9	Leeuwardenweg 183, arn...	f	l
13	akzo	computer	computer	8	Leeuwardenweg 184, arn...	f	l
14	phillips	radio	radio	56	Delfzijlstraat 54, arnhem, ...	f	l
15	phillips	tv	tv	67	Delfzijlstraat 55, arnhem	f	l

26 records

## Imported Base ▾

HELP ? 🔔 3 🚙

SHARE  BLOCKS

	A company	A Product	A product type	A number	A geocode2	A gender	A initial
1	phillips	radio	radio	5	Groningsingel 147, arn...	m	p
2	phillips	radio	radio	43	Groningsingel 148, arn...	m	p
3	phillips	computer	computer	3	Groningsingel 149, arn...	m	j
4	phillips	computer	computer	34	Groningsingel 150, arn...	m	p
5	phillips	computer	computer	12	Groningsingel 151, arnh...	m	p
6	phillips	radio	radio	23	Groningsingel 152, arn...	m	p
7	akzo	tv	tv	43	Leeuwardenweg 178, arn...	m	p
8	akzo	tv	tv	12	Leeuwardenweg 179, arn...	m	p
9	akzo	computer	computer	5	Leeuwardenweg 180, arn...	m	p
10	akzo	radio	radio	34	Leeuwardenweg 181, arnh...	m	p
11	akzo	tablet	tablet	5	Leeuwardenweg 182, arn...	f	l
12	akzo	tablet	tablet	9	Leeuwardenweg 183, arn...	f	l
13	akzo	computer	computer	8	Leeuwardenweg 184, arn...	f	l
14	phillips	radio	radio	56	Delfzijlstraat 54, arnhem, ...	f	l
15	phillips	tv	tv	67	Delfzijlstraat 55, arnhem	f	l

# Imported Base

HELP ?  

product details product types +

SHARE  

Grid view  2 hidden fields Filter Group Sort Color ...

	Name	product details				
1	radio	Van Houten	phillips	akzo	phillips	phillips
2	tv	Van Houten	Van Houten	phillips	phillips	akzo
3	tablet	unilever	unilever	unilever	akzo	akzo
4	computer	unilever	Van Houten	Van Houten	akzo	akzo

total

Rollup

A rollup allows you to summarize data from records that are linked to this table. For more information on rollups and a complete function reference, see the Rollup Field Reference.

Rollup      Formatting

product details

Enter an aggregation function which rolls up the values in each linked record

Cancel      Save

4 records

Sum 25



## Imported Base ▾

HELP ? 🔔 3 🔍

SHARE 🔍 🔍 BLOCKS

Grid view 📈 2 hidden fields Filter Group Sort Color ...

	A Name	product details						
1	radio	Van Houten	phillips	akzo	phillips	phillips	phillips	
2	tv	Van Houten	Van Houten	phillips	phillips	akzo	akzo	
3	tablet	unilever	unilever	unilever	akzo	akzo		
4	computer	unilever	Van Houten	Van Houten	akzo	akzo	phillips	

total

Rollup

A rollup allows you to summarize data from records that are linked to this table. For more information on rollups and a complete function reference, see the [Rollup Field Reference](#).

Rollup      Formatting

A Product

Enter an aggregation function which rolls up the values in each linked record

COUNTA(values)

Cancel      Save

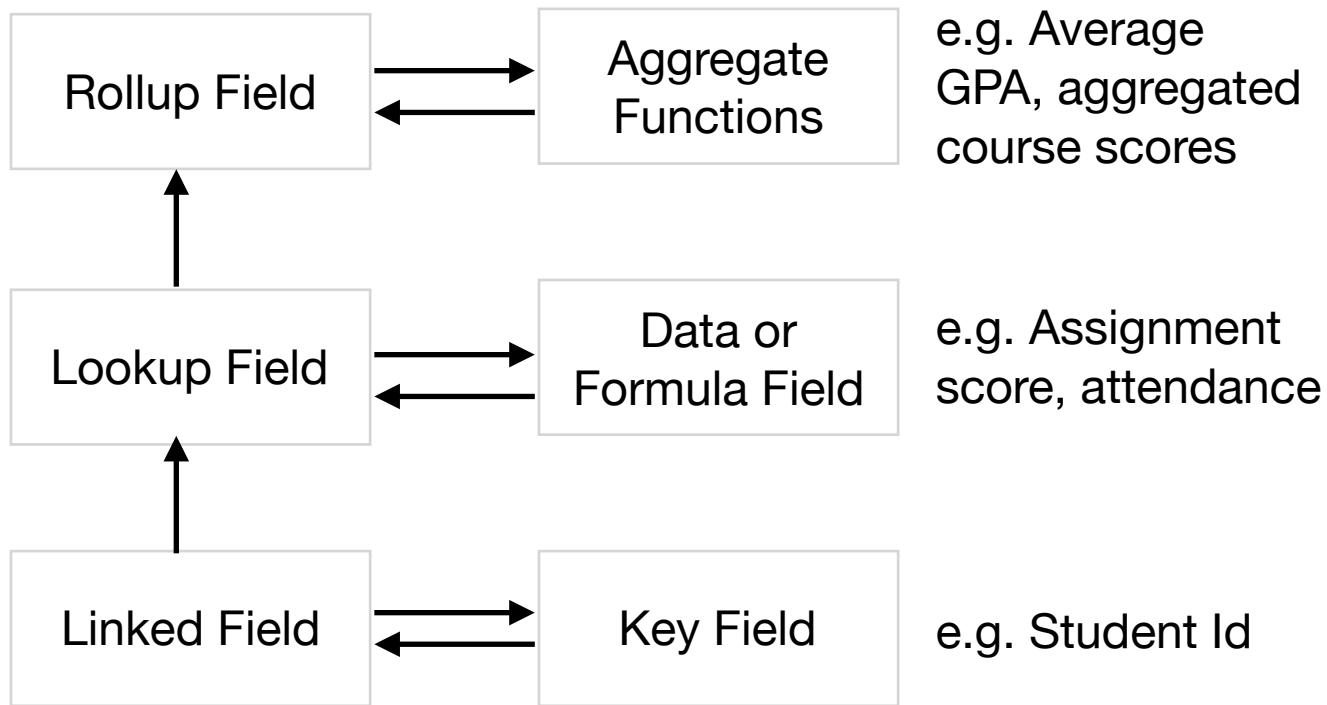
Sum 25

# Imported Base

HELP ? 3 🔍 🔍 BLOCKS

	Name	product details	total
1	radio	Van Houten phillips akzo phillips phillips phillips	6
2	tv	Van Houten Van Houten phillips phillips akzo akzo	6
3	tablet	unilever unilever unilever akzo akzo	5
4	computer	unilever Van Houten Van Houten akzo akzo phillips phillips phillips	8

4 records Sum 25



# **WHAT IS RESPONSIVE DESIGN ?**

**RESPONSIVE DESIGN = VIEW PORT + MEDIA QUERY + MAX/MIN  
WIDTH SETTING**

```
body {  
    background-color: grey;  
}  
  
@media screen and (max-width: 960px) {  
    body {  
        background-color: red;  
    }  
}  
  
@media screen and (max-width: 768px) {  
    body {  
        background-color: orange;  
    }  
}  
  
@media screen and (max-width: 550px) {  
    body {  
        background-color: yellow;  
    }  
}  
  
@media screen and (max-width: 320px) {  
    body {  
        background-color: green;  
    }  
}
```

## MEDIA QUERY + MAX/MIN WIDTH SETTING

# VIEW PORT

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=0">
<title>Workshop</title>
<!--link href='http://fonts.googleapis.com/css?family=Average+Courgette' rel='stylesheet' type='text/css'-->
<!--link href="https://fonts.googleapis.com/css?family=Open+Sans+Oswald" rel="stylesheet"-->
<link href="https://fonts.googleapis.com/css?family=Baloo+Bhaina|Baloo+Paajil|Merriweather" rel="stylesheet">
<link href="mq_demo.css" rel="stylesheet" type="text/css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
<script src="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
<script>
$(document).ready(function() {
    $(window).resize(function() {
        if ($(window).width() >= 960) {
            $(".showview").html('<h1>Higher than 960</h1>');
        }

        if ($(window).width() < 960) {
            $(".showview").html('<h1>960</h1>');
        }

        if ($(window).width() < 768) {
            $(".showview").html('<h1>768</h1>');
        }

        if ($(window).width() < 550) {
            $(".showview").html('<h1>550</h1>');
        }

        if ($(window).width() < 320) {
```

```
$(document).ready(function() {
    $(window).resize(function() {
        if ($(window).width() >= 960) {
            $(".showview").html('<h1>Higher than 960</h1>');
        }

        if ($(window).width() < 960) {
            $(".showview").html('<h1>960</h1>');
        }

        if ($(window).width() < 768) {
            $(".showview").html('<h1>768</h1>');
        }

        if ($(window).width() < 550) {
            $(".showview").html('<h1>550</h1>');
        }

        if ($(window).width() < 320) {
            $(".showview").html('<h1>320</h1>');
        }
    });
});
```

</script>

</head>

<body>

  <div class="showview">

    </div>

  </body>

</html>

**Higher than 960**

**That is too complicated. Is there an easier way?**

# Bootstrap

Build responsive, mobile-first projects on the web with the world's most popular front-end component library.

Bootstrap is an open source toolkit for developing with HTML, CSS, and JS. Quickly prototype your ideas or build your entire app with our Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

[Get started](#)[Download](#)

Currently v4.3.1



<https://www.youtube.com/watch?v=gqOEoUR5RHg>

# **Common Bootstrap Components**

# Components

Over a dozen reusable components built to provide iconography, dropdowns, input groups, navigation, alerts, and much more.

## Glyphicons

### Available glyphs

Includes over 250 glyphs in font format from the Glyphicon Halflings set. [Glyphicons](#) Halflings are normally not available for free, but their creator has made them available for Bootstrap free of cost. As a thank you, we only ask that you include a link back to [Glyphicons](#) whenever possible.

 glyphicon glyphicon-asterisk	 glyphicon glyphicon-plus	 glyphicon glyphicon-euro	 glyphicon glyphicon-eur	 glyphicon glyphicon-minus	 glyphicon glyphicon-cloud	 glyphicon glyphicon-envelope	 glyphicon glyphicon-pencil
 glyphicon glyphicon-glass	 glyphicon glyphicon-music	 glyphicon glyphicon-search	 glyphicon glyphicon-heart	 glyphicon glyphicon-star	 glyphicon glyphicon-star-empty	 glyphicon glyphicon-user	 glyphicon glyphicon-film
 glyphicon glyphicon-th-large	 glyphicon glyphicon-th	 glyphicon glyphicon-th-list	 glyphicon glyphicon-ok	 glyphicon glyphicon-remove	 glyphicon glyphicon-zoom-in	 glyphicon glyphicon-zoom-out	 glyphicon glyphicon-off

Glyphicons  
Dropdowns  
Button groups  
Button dropdowns  
Input groups  
Navs  
Navbar  
Breadcrumbs  
Pagination  
Labels  
Badges  
Jumbotron  
Page header  
Thumbnails  
Alerts  
Progress bars  
Media object  
List group  
Panels  
Responsive embed  
Wells

<https://getbootstrap.com/docs/3.3/components/#nav>

# **Popular Components**

- a. Container**
- b. Navbar**
- c. Gliphicons**
- d. Grid/Row/Column**
- e. Thumbnail**
- f. Button**
- g. Form**
- h. Panel/Wells/Jumbotron**
- i. Carousel/Collapse**
- j. Tabs**
- k. Table**
- l. Pagination**
- m. List Group/Badges**
- n. Modal/Tooltip/Popover**

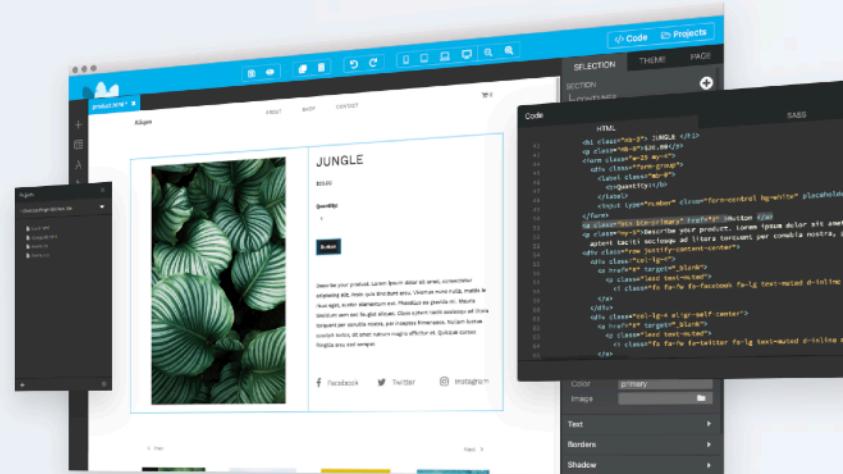
<https://www.w3schools.com/bootstrap/default.asp>

# **Pingendo: A Bootstrap Layout Tool for Non-Programmer**

## Pingendo Bootstrap 4 builder

Design, build and deploy web pages in a flow.

Pingendo is a modern tool for designers, developers and web agencies. Intuitive as stacking blocks, powerful as a text editor.



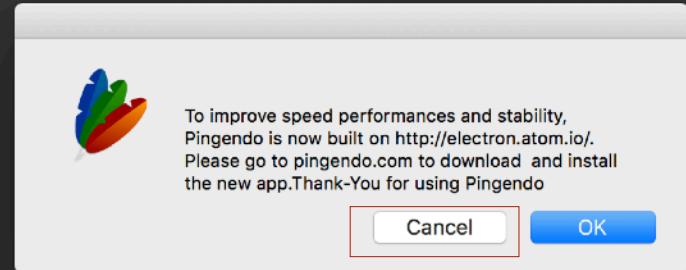
Download it for free

<https://courses.cuhkcfe.io/courses/introduction-to-web-development/com5961-data-driven-product-and-services-design/lessons/lesson-8-responsive-web-design/>

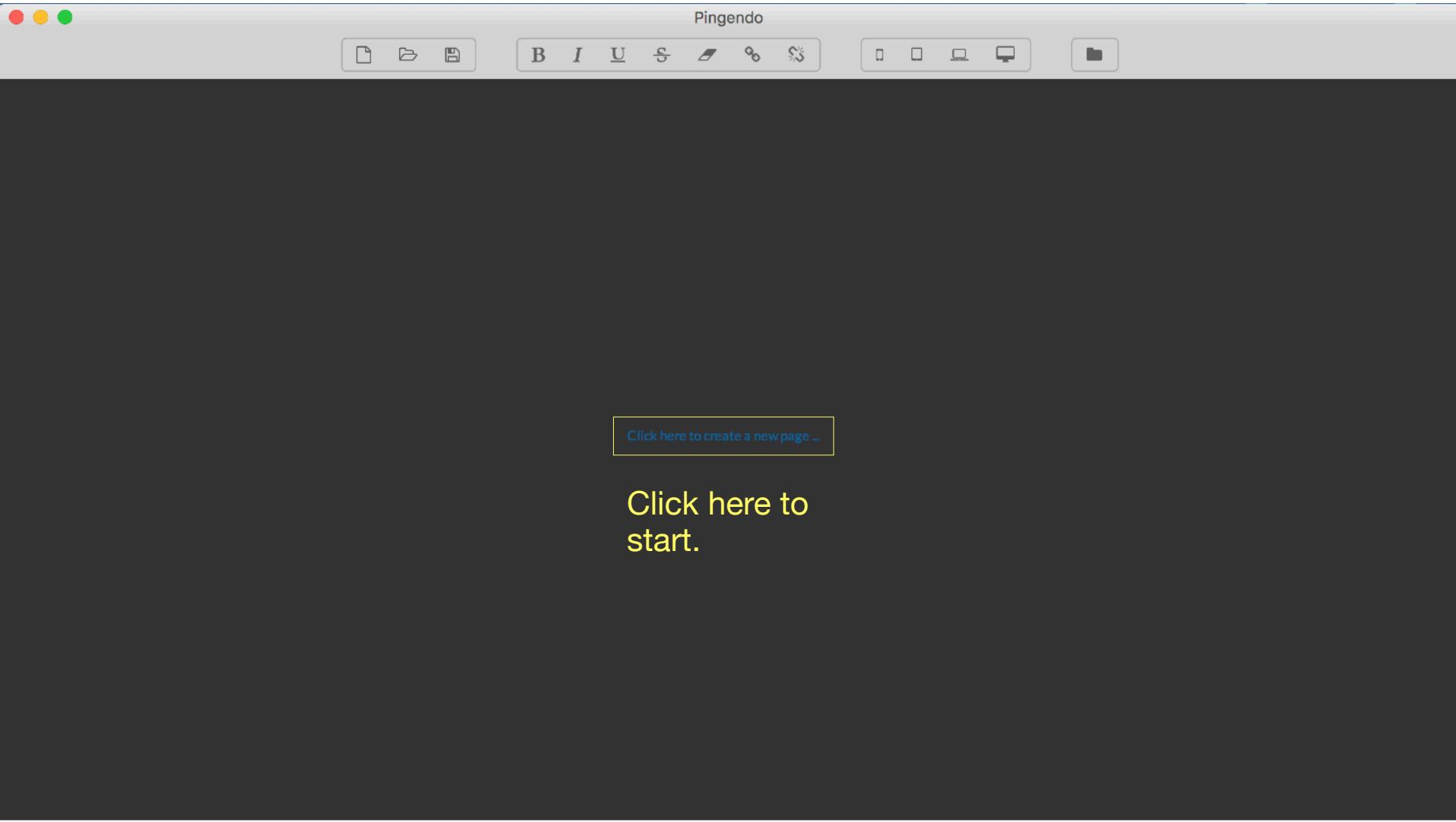
## **Pingendo 2.0 (Free Version)**

**Window:** <https://pingendo.software.informer.com/2.0/>

**Mac:** [https://macdownload.informer.com/pingendo/  
download/#downloading](https://macdownload.informer.com/pingendo/download/#downloading)



Pingendo  
Click “Cancel” instead.  
Otherwise downloading  
the new version will  
cause your old version  
to be overwritten.



[Click here to create a new page ...](#)

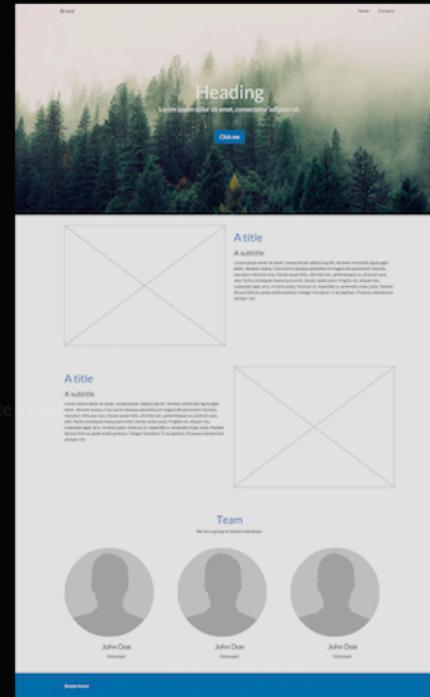
Click here to  
start.



Pingendo



Default empty page



Landing page

# Pingendo



B I U S



PAGE

SELECTION

SECTIONS

COMPONENTS

Untitled.html\*

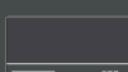
HEADERS



CONTENTS



FOOTERS



FORMS

BODY

ATTRIBUTES

ID

CLASS

BOOTSTRAP

SCROLL

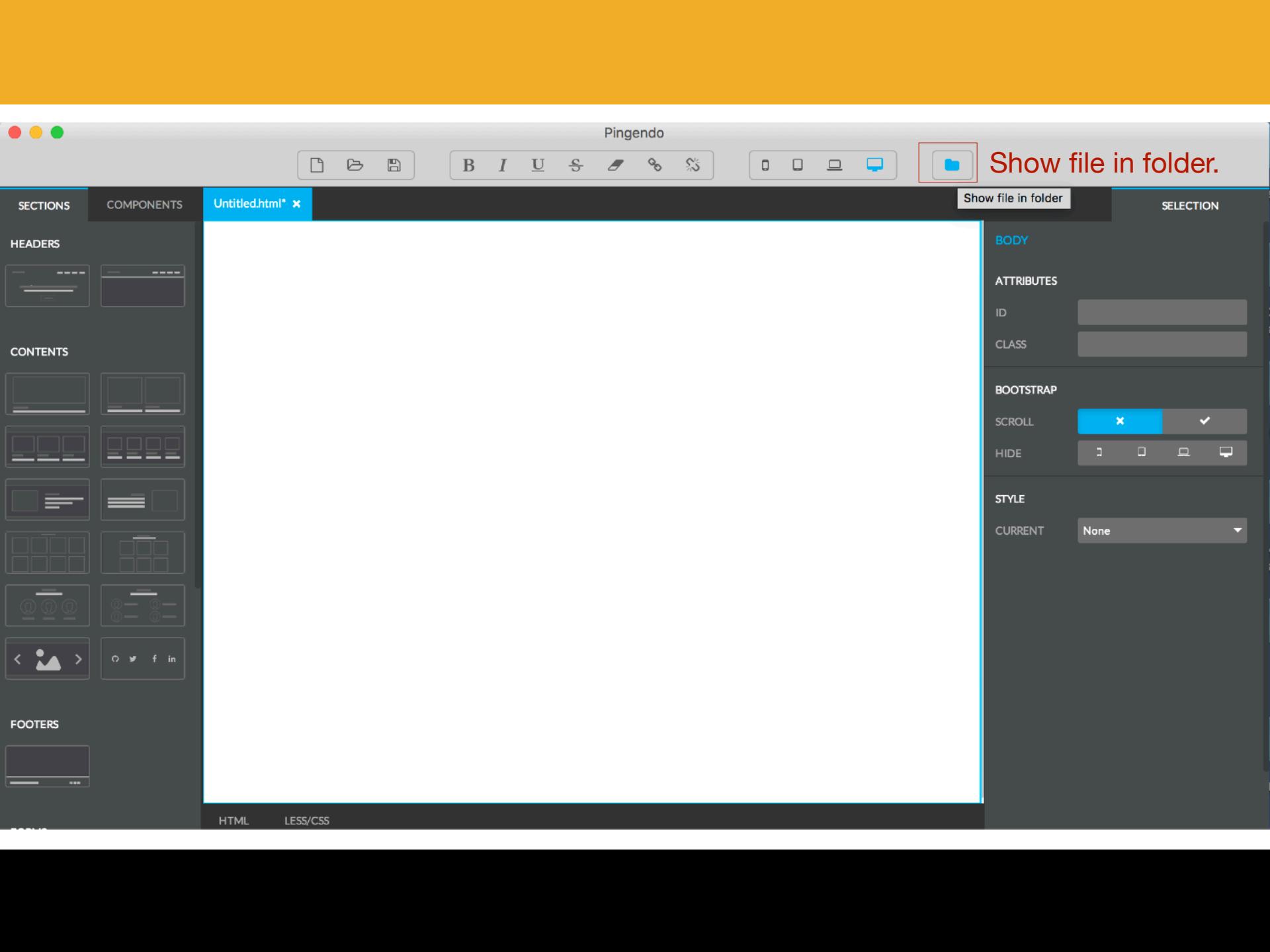
HIDE

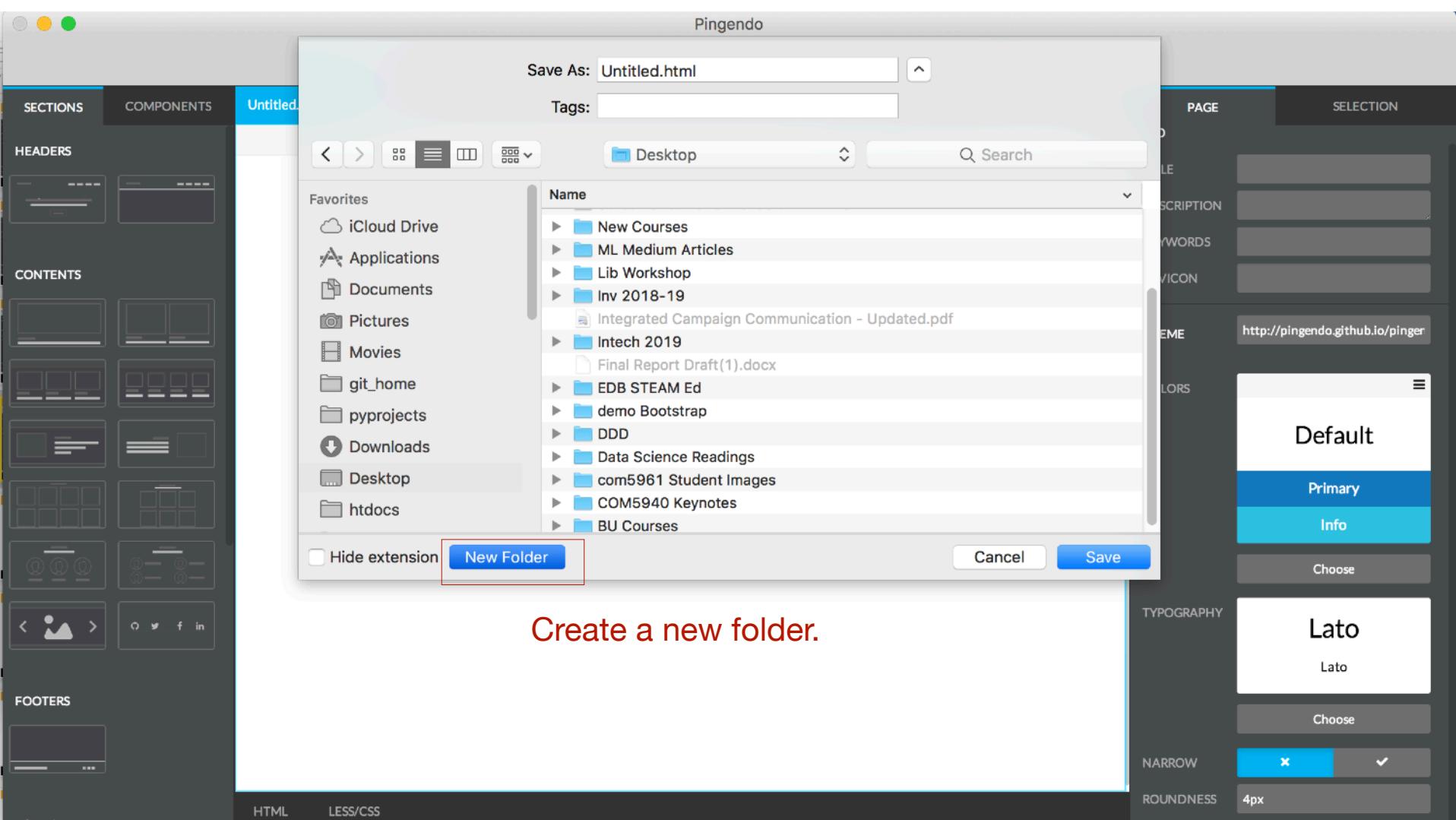
STYLE

CURRENT

HTML LESS/CSS

# **Setup Working Folder**





Pingendo

Save As: Untitled.html

Tags:

Desktop

New Folder

Name of new folder: demo

Cancel Create

Intech 2019

- Final Report Draft(1).docx
- EDB STEAM Ed
- demo Bootstrap
- DDD
- Data Science Readings
- com5961 Student Images
- COM5940 Keynotes

Hide extension New Folder Cancel Save

Default Primary Info Choose

Lato Lato Choose

NARROW x ✓

ROUNDNESS 4px

SECTIONS COMPONENTS Untitled...

HEADERS

CONTENTS

FOOTERS

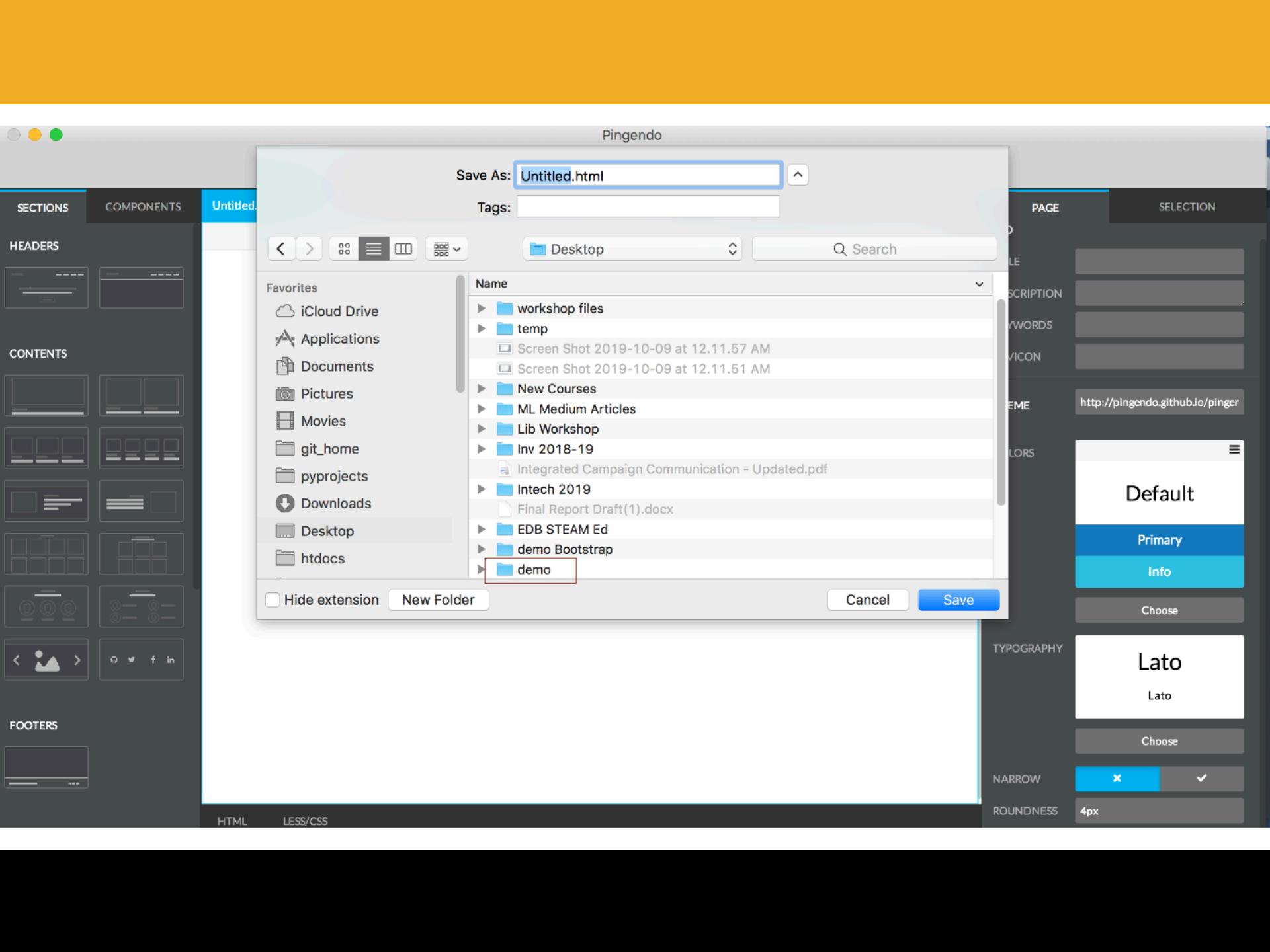
FORMS

HTML LESS/CSS

PAGE SELECTION

FILE DESCRIPTION WORDS ICON THEME

http://pingendo.github.io/pinger



# **Setup Navigation Bar**

Pingendo

Untitled.html\* x

SECTIONS

HEADERS

Navigation bar

CONTENTS

FOOTERS

FORMS

B I U S E F \$

PAGE

SELECTION

BODY

ATTRIBUTES

ID

CLASS

BOOTSTRAP

SCROLL

HIDE

STYLE

CURRENT None

Pick and drag navigation bar component to layout workspace.

HTML LESS/CSS

The image shows the Pingendo user interface. On the left, there's a sidebar with categories: SECTIONS, HEADERS, CONTENTS, FOOTERS, and FORMS. Under HEADERS, a 'Navigation bar' component is selected and highlighted with a yellow border. The main workspace in the center contains the text 'Pick and drag navigation bar component to layout workspace.' The right side of the interface has panels for BODY, ATTRIBUTES (with fields for ID and CLASS), BOOTSTRAP (with SCROLL and HIDE dropdowns), and STYLE (with CURRENT set to 'None'). The top bar includes standard file operations (New, Open, Save) and a toolbar with icons for bold, italic, underline, strikethrough, etc. The bottom navigation bar has tabs for HTML and LESS/CSS.

Pingendo

Untitled.html\* x

Brand

Home Contacts

Select  
“Contacts”  
and delete it.

PAGE SELECTION

... / NAVIGATION BAR / NAV / ITEM

ATTRIBUTES

ID:

CLASS:

HREF: #

BOOTSTRAP

STATE: Active

HIDE: ☰ ☱ ☲ ☳

CHILDREN

ICON:

BADGE:

STYLE

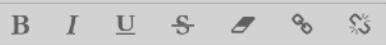
CURRENT: None

COMPONENTS

HTML LESS/CSS

The screenshot shows the Pingendo UI editor interface. At the top, there's a toolbar with icons for file operations (New, Open, Save), text styling (Bold, Italic, Underline, Strikethrough, Font Size, Alignment, Paragraph), and device preview (Mobile, Tablet, Desktop). Below the toolbar is a navigation bar with 'Home' and 'Contacts' items. The 'Contacts' item is highlighted with a red border. The main content area contains the text 'Select “Contacts” and delete it.' To the right of the content is a sidebar with sections for Attributes (ID, Class, Href), Bootstrap (State: Active, Hide), Children (Icon, Badge), and Style (Current: None). On the far left, there's a sidebar titled 'COMPONENTS' with various UI component icons. At the bottom, there are tabs for 'HTML' and 'LESS/CSS'.

# Pingendo



## SECTIONS

## COMPONENTS

## Untitled.html\*

## PAGE

## SELECTION

Brand

Home

One left.

... / NAVIGATION BAR / NAV / ITEM

### ATTRIBUTES

ID

CLASS

nav navbar-nav navbar-right

### BOOTSTRAP

LEAD

ALIGNMENT

HIDE

### CHILDREN

CHILDREN

Item (Home)

### STYLE

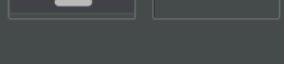
CURRENT

None

## HEADERS



## CONTENTS



## FOOTERS



## FORMS

HTML LESS/CSS

Pingendo

Untitled.html\* x

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

B I U S edit link copy

Mobile devices laptop tablet phone

PAGE

SELECTION

... / NAVIGATION BAR / NAV / ITEM

Select the “NAV” breadcrumb.

ATTRIBUTES

ID

CLASS nav navbar-nav navbar-right

BOOTSTRAP

LEAD x ✓

ALIGNMENT x ← →

HIDE □ □ □ □

CHILDREN

CHILDREN  Item (Home)

+ +

STYLE

CURRENT None

HTML LESS/CSS

This screenshot shows the Pingendo user interface for web design. The main workspace displays a navigation bar component with a single item labeled "Home". A prominent red text overlay in the center of the component area reads "Select the ‘NAV’ breadcrumb.". The sidebar on the left contains sections for "HEADERS", "CONTENTS", "FOOTERS", and "FORMS", each with a grid of icons representing different design elements. The top navigation bar includes standard file operations (New, Open, Save) and text styling tools (Bold, Italic, Underline, etc.). The right panel is divided into "PAGE" and "SELECTION" tabs. The "SELECTION" tab shows the current path: "... / NAVIGATION BAR / NAV / ITEM". The "NAV" section is highlighted with a blue border. The "ATTRIBUTES" panel shows the component's ID and class. The "BOOTSTRAP" panel includes settings for "LEAD", "ALIGNMENT", and "HIDE". The "CHILDREN" panel lists the single item under "Item (Home)". The "STYLE" panel currently has "None" selected. At the bottom, there are tabs for "HTML" and "LESS/CSS".

Pingendo

Untitled.html\* x

SECTIONS COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

B I U S E F N

Mobile Desktop Laptop Monitor File

PAGE

SELECTION

... / NAVIGATION BAR / NAV / ITEM

Brand

Home

Add new item to navigation bar.

ATTRIBUTES

ID

CLASS nav navbar-nav navbar-right

BOOTSTRAP

LEAD x ✓

ALIGNMENT x ← →

HIDE □ □ □ □

CHILDREN

CHILDREN  Item (Home)

+ +

STYLE

CURRENT None

This screenshot shows the Pingendo UI Mockup Editor interface. The main workspace displays a navigation bar component titled 'Brand' with a single item labeled 'Home'. A large red text overlay in the center of the workspace reads 'Add new item to navigation bar.' To the right of the workspace are several configuration panels: 'ATTRIBUTES' (with ID and CLASS fields), 'BOOTSTRAP' (with LEAD, ALIGNMENT, and HIDE options), 'CHILDREN' (listing 'Item (Home)' with a plus sign to add more), and 'STYLE' (set to 'None'). The left sidebar contains sections for HEADERS, CONTENTS, FOOTERS, and FORMS, each with a grid of icons representing different design elements. The top menu bar includes standard file operations (New, Open, Save) and a toolbar with text styling (B, I, U, S, E, F, N) and device preview icons (Mobile, Desktop, Laptop, Monitor).

Pingendo

Untitled.html\* x

Home

PAGE

SELECTION

... / NAVIGATION BAR / NAV / ITEM

ATTRIBUTES

ID

CLASS nav navbar-nav navbar-right

BOOTSTRAP

LEAD

ALIGNMENT

HIDE

CHILDREN

Item

Dropdown Menu

STYLE

CURRENT None

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

HTML LESS/CSS

Pick “item”.

The screenshot shows the Pingendo web design tool interface. The main workspace displays a navigation bar component titled 'Brand' with a single item labeled 'Home'. To the right of the workspace are several panels: 'ATTRIBUTES' (containing ID and CLASS fields), 'BOOTSTRAP' (with LEAD, ALIGNMENT, and HIDE options), 'CHILDREN' (listing 'Item' and 'Dropdown Menu'), and 'STYLE' (CURRENT set to 'None'). On the left, there are sections for 'HEADERS', 'CONTENTS', 'FOOTERS', and 'FORMS', each containing various component icons. At the bottom, tabs for 'HTML' and 'LESS/CSS' are visible. A red box highlights the 'Item' option under 'CHILDREN'.

Pingendo

Untitled.html\* x

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

B I U S E P G

Mobile Desktop Laptop Tablet

Brand

Home Nav item

... / NAVIGATION BAR / NAV

New navigation menu item added.

ATTRIBUTES

ID

CLASS nav navbar-nav navbar-right

BOOTSTRAP

LEAD

ALIGNMENT

HIDE

CHILDREN

Item (Home)

Item (Nav Item)

+

STYLE

CURRENT None

HTML LESS/CSS

The screenshot shows the Pingendo UI Mockup Editor interface. The main canvas displays a navigation bar with two items: 'Home' and 'Nav item'. A red box highlights the 'Nav item' button. The right side of the screen features a sidebar with various settings panels: ATTRIBUTES, BOOTSTRAP, CHILDREN, and STYLE. The CHILDREN panel lists 'Item (Home)' with a checked checkbox and 'Item (Nav Item)' with an unchecked checkbox, along with a plus sign for adding more. The STYLE panel shows 'CURRENT' set to 'None'. At the bottom, tabs for 'HTML' and 'LESS/CSS' are visible. On the left, there are sections for SECTIONS, COMPONENTS, HEADERS, CONTENTS, FOOTERS, and FORMS, each containing icons for different design elements. The top bar includes standard file operations (New, Open, Save, etc.) and a toolbar with text styling (B, I, U, S, E, P, G) and device selection (Mobile, Desktop, Laptop, Tablet).

Pingendo

Untitled.html\* x

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

HTML

LESS/CSS

B I U S E N

Home Nav item

Select item to rename.

PAGE

SELECTION

... / NAVIGATION BAR / NAV / ITEM

ATTRIBUTES

ID

CLASS

HREF #

BOOTSTRAP

STATE Active Disabled

HIDE

CHILDREN

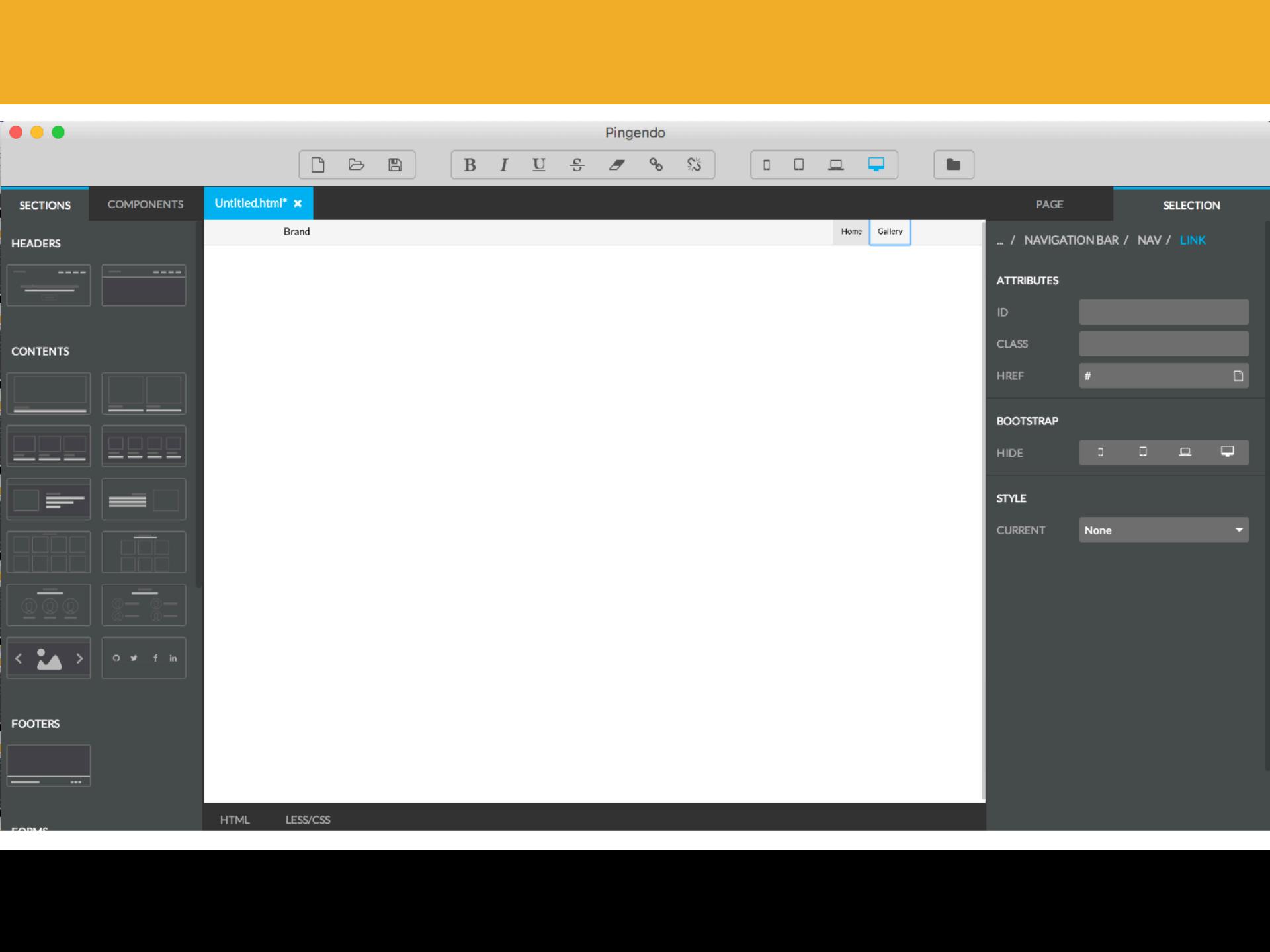
ICON

BADGE

STYLE

CURRENT None

Pingendo is a visual web editor. The interface includes a top toolbar with file, edit, and navigation icons. Below the toolbar is a header bar with tabs for 'Untitled.html\*' and 'PAGE'. The main workspace shows a navigation bar component with two items: 'Home' and 'Nav item'. The 'Nav item' is highlighted with a red border. A large red text overlay 'Select item to rename.' is centered over the component. On the left, there's a sidebar with sections for 'HEADERS', 'CONTENTS', 'FOOTERS', and 'PAGE' (with 'HTML' and 'LESS/CSS' sub-options). On the right, there are panels for 'ATTRIBUTES' (ID, CLASS, HREF), 'BOOTSTRAP' (STATE, HIDE), 'CHILDREN' (ICON, BADGE), and 'STYLE' (CURRENT). The 'ATTRIBUTES' panel shows 'HREF #' and the 'ICON' panel shows three placeholder icons.



Pingendo

Untitled.html\* x

B I U S

Home Gallery Calendar

Use the same method to create additional item.

HEADERS

CONTENTS

FOOTERS

FORMS

PAGE

SELECTION

... / NAVIGATION BAR / NAV / ITEM

ATTRIBUTES

ID

CLASS nav navbar-nav navbar-right

BOOTSTRAP

LEAD

ALIGNMENT

HIDE

CHILDREN

Item (Home)

Item (Gallery)

Item (Calendar)

+

STYLE

CURRENT None

HTML LESS/CSS

This screenshot shows the Pingendo UI editor interface. The main workspace displays a navigation bar component with three items: 'Home', 'Gallery', and 'Calendar'. The 'Calendar' item is currently selected, indicated by a blue border around its button. To the left of the workspace, there are sections for 'HEADERS', 'CONTENTS', and 'FOOTERS', each containing various pre-designed layout templates. On the right side, there's a detailed sidebar for the selected 'ITEM'. This sidebar includes tabs for 'PAGE' and 'SELECTION', and a breadcrumb path: '... / NAVIGATION BAR / NAV / ITEM'. Under 'ATTRIBUTES', you can see the 'ID' and 'CLASS' fields. The 'BOOTSTRAP' section provides options for 'LEAD', 'ALIGNMENT', and 'HIDE'. The 'CHILDREN' section lists the three menu items, with 'Item (Calendar)' checked. A '+' button allows adding more children. Finally, the 'STYLE' section shows the current style as 'None'.

Pingendo

Untitled.html\* x

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

B I U S E F N

Home Gallery Calendar

... / NAVIGATION BAR / NAV / ITEM

ATTRIBUTES

ID:

CLASS: active

HREF: #

BOOTSTRAP

STATE:  Active

HIDE:

CHILDREN

ICON:

BADGE:

STYLE

CURRENT: None

HTML LESS/CSS

This screenshot shows the Pingendo UI editor interface. The top navigation bar includes file, font style, and selection tools. The main workspace displays a navigation bar component with tabs for Home, Gallery, and Calendar, where 'Calendar' is selected. The left sidebar contains sections for Headers, Contents, Footers, and Forms, each with a grid of icons representing different design elements. The right sidebar provides detailed configuration for the selected component, including attributes like ID, Class, and HREF, bootstrap states, and styling options.

Pingendo

Untitled.html\* x

B I U S ↗ ⌂ ⌓

Home Gallery Calendar Nav item

Rename each new item to meet you need.

ATTRIBUTES

ID

CLASS

HREF #

BOOTSTRAP

STATE Active Disabled

HIDE

CHILDREN

ICON

BADGE

STYLE

CURRENT None

HTML LESS/CSS

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

The Pingendo UI Kit components library is displayed on the left side of the interface. It includes sections for HEADERS, CONTENTS, and FOOTERS, each containing various UI component icons such as buttons, cards, and social media sharing icons.

Pingendo

Untitled.html\* x

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

B I U S E F N

Home Gallery Calendar Contacts

PAGE

SELECTION

BODY

ATTRIBUTES

ID

CLASS

BOOTSTRAP

SCROLL

HIDE

STYLE

CURRENT None

HTML LESS/CSS

This image shows the Pingendo web editor interface. At the top, there's a toolbar with file icons (New, Open, Save) and styling tools (Bold, Italic, Underline, Strike, Font Size, Font Family, Alignment, Paragraph). Below the toolbar is a navigation bar with links: Home, Gallery, Calendar, and Contacts. The main workspace is titled "Brand" and contains a blank white area. To the left is a sidebar with categories: HEADERS, CONTENTS, FOOTERS, and FORMS, each containing several component icons. On the right, there's a vertical panel for "PAGE" and "SELECTION" controls, and another panel for "BODY" settings including "ATTRIBUTES" (ID, CLASS), "BOOTSTRAP" (SCROLL, HIDE), and "STYLE" (CURRENT set to "None"). At the bottom, there are tabs for "HTML" and "LESS/CSS".

# **Creating Additional Web Pages**

**Save document.**

The screenshot shows the Pingendo web editor interface. The top menu bar has a 'File' section with options: New (⌘N), Open.. (⌘O), Open Recent (with a dropdown arrow), Save html/less (⌘S), Save document (which is highlighted in blue), Save theme, and Save As (⇧⌘S). Below the menu is a toolbar with icons for file operations (New, Open, Save, Find, Copy, Paste, Undo, Redo) and device previews (Mobile, Tablet, Laptop, Desktop). The main workspace is titled 'Pingendo' and contains a dark header with 'Home', 'Gallery', 'Calendar', and 'Contacts' links. On the left, there's a sidebar with sections for 'SECTIONS', 'HEADERS', 'CONTENTS' (with a grid of layout icons), and 'FOOTERS'. On the right, there are panels for 'PAGE' (BODY, ATTRIBUTES, ID, CLASS), 'BOOTSTRAP' (SCROLL, HIDE), and 'STYLE' (CURRENT set to 'None'). At the bottom, tabs for 'HTML' and 'LESS/CSS' are visible.

Pingendo

Save As: index.html

Tags:

demo

Search

Favorites

- iCloud Drive
- Applications
- Documents
- Pictures
- Movies
- git\_home
- pyprojects
- Downloads
- Desktop
- htdocs

Name

Save the file as index.html and store it in the "demo" folder.

Hide extension

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

PAGE

DESCRIPTION

KEYWORDS

VICON

HEME

LORS

Default

Primary

Info

Choose

Lato

Lato

Choose

NARROW

ROUNDNESS

4px

HTML LESS/CSS

The image shows the Pingendo interface with a central save dialog box. The dialog has 'index.html' in the 'Save As:' field and 'demo' selected in the folder browser. A large red box highlights the 'demo' folder in the browser. Inside the dialog, there's a red box around the text 'Save the file as index.html and store it in the "demo" folder.' The right side of the interface features various design settings like typography, colors, and fonts.

Pingendo

Save As: style.css

Tags:

demo

Search

Name: index.html

Favorites

- iCloud Drive
- Applications
- Documents
- Pictures
- Movies
- git\_home
- pyprojects
- Downloads
- Desktop
- htdocs

Hide extension  

SECTIONS

HEADERS

CONTENTS

FOOTERS

FORMS

PAGE

DESCRIPTION

KEYWORDS

VICON

HEME

LORS

Default

Primary

Info

Choose

TYPGRAPHY

Lato

Choose

NARROW

ROUNDNESS

4px

HTML LESS/CSS

The image shows the Pingendo user interface. A central modal window titled 'Pingendo' is open, prompting the user to 'Save As' with the file name 'style.css'. Below the input field is a 'Tags:' field. The 'demo' folder is selected in the file browser. The 'Name:' field contains 'index.html', which is highlighted with a red border. To the left of the file browser is a sidebar with sections for 'SECTIONS', 'HEADERS', 'CONTENTS', 'FOOTERS', and 'FORMS', each displaying various icons. To the right of the modal are several floating panels: 'PAGE' (with fields for 'TITLE', 'DESCRIPTION', 'KEYWORDS', 'VICON', 'HEME', and 'LORS'), 'TYPGRAPHY' (with a 'Default' panel showing 'Lato' and a 'Choose' button), and 'NARROW' and 'ROUNDNESS' settings (both set to '4px'). At the bottom of the interface are tabs for 'HTML' and 'LESS/CSS'.

Pingendo

Desktop

demo

index.html

style.css

style.less

Name Date Modified Size Kind

Today at 12:14 AM 2 KB HTML

Today at 12:14 AM 145 KB CSS

Today at 12:14 AM 27 KB Visual...oc

Back/Forward

Favorites

- Recents
- iCloud D...
- AirDrop
- Applicati...
- Docume...
- Pictures
- Movies
- git\_home
- pyprojects
- Download...
- Desktop
- htdocs

1 of 3 selected, 140.77 GB available

repo

DDD

Data Science Readings

24 items, 140.77 GB available

HTML LESS/CSS

PAGE

SEO

TITLE

DESCRIPTION

KEYWORDS

FAVICON

THEME style.less

COLORS

Default

Primary

Info

Choose

TYPOGRAPHY

Lato

Lato

Choose

NARROW

ROUNDNESS 4px

This screenshot shows the Pingendo interface, a web design tool. At the top, there's a toolbar with standard file operations (New, Open, Save, etc.) and a rich text editor toolbar. Below the toolbar is a file browser window titled 'Pingendo' showing files on the desktop. The browser lists three files: 'index.html', 'style.css', and 'style.less'. The 'index.html' file is selected. The sidebar on the right contains several sections for page configuration: SEO (Title, Description, Keywords, Favicon), THEME (set to 'style.less'), COLORS (with a color palette and 'Default', 'Primary', 'Info', and 'Choose' options), TYPOGRAPHY (set to 'Lato'), and layout settings for NARROW and ROUNDNESS (set to 4px). The bottom of the screen shows a preview area with a dark header and footer, and tabs for 'HTML' and 'LESS/CSS'.

# **Linking the Navigation Item to the Web Page**

Pingendo

index.html x

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

B I U S E C \$

Home

Gallery

Calendar

Contacts

Select the navigation menu item to be linked.

... / NAVIGATION BAR / NAV / ITEM

ATTRIBUTES

ID

CLASS

Href #

BOOTSTRAP

STATE Active Disabled

HIDE

CHILDREN

ICON

BADGE

STYLE

CURRENT None

HTML

LESS/CSS

This screenshot shows the Pingendo UI editor interface. The main workspace displays a navigation bar with four items: Home, Gallery, Calendar, and Contacts. The 'Home' item is highlighted with a blue border. Below the navigation bar, a large red text box contains the instruction: "Select the navigation menu item to be linked.". To the right of the workspace, a sidebar titled "ITEM" provides detailed settings for the selected navigation item. These settings include fields for "ID" and "CLASS", a "Href" field containing "#", and sections for "BOOTSTRAP" (with "STATE" set to "Active") and "CHILDREN". At the bottom of the interface, there are tabs for "HTML" and "LESS/CSS". On the far left, there are sections for "HEADERS", "CONTENTS", "FOOTERS", and "FORMS", each containing a grid of preview icons.

Pingendo

index.html x

B I U S

Home x Gallery Calendar Contacts

... / NAVIGATION BAR / NAV / ITEM

**ATTRIBUTES**

ID:

CLASS:

HREF: Index.html

**BOOTSTRAP**

STATE: x Active Disabled

HIDE:

**CHILDREN**

ICON: x

BADGE: x

**STYLE**

CURRENT: None

Brand

Enter the file name.

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

HTML LESS/CSS

Pingendo

Index.html\* x

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

B I U S F G

Home Gallery Calendar Contacts

... / NAVIGATION BAR / NAV / ITEM

ATTRIBUTES

ID

CLASS active

HREF gallery.html

BOOTSTRAP

STATE Active Disabled

HIDE

CHILDREN

ICON

BADGE

STYLE

CURRENT None

Do the same to the other items.

HTML LESS/CSS

This screenshot shows the Pingendo web editor interface. On the left, there's a sidebar with categories: SECTIONS, COMPONENTS, HEADERS, CONTENTS, FOOTERS, and FORMS. Under HEADERS, there are two icons. Under CONTENTS, there are four rows of icons representing different content types. Under FOOTERS, there are two icons. At the bottom of the sidebar are links for 'HTML' and 'LESS/CSS'. The main workspace shows a navigation bar component with the title 'Brand'. The 'Gallery' item is highlighted with a blue border. Below the navigation bar, the word 'Do the same to the other items.' is written in red. To the right of the workspace is a detailed panel for the selected 'ITEM' component. This panel includes sections for ATTRIBUTES (with fields for ID, CLASS, and HREF), BOOTSTRAP (with STATE and HIDE options), CHILDREN (with icons for adding or removing children), and STYLE (with a CURRENT dropdown set to 'None'). The ATTRIBUTES section shows 'active' as the class and 'gallery.html' as the href. The BOOTSTRAP section shows 'Active' as the state. The CHILDREN section shows an icon for adding a child. The STYLE section shows 'None' as the current style.

Pingendo

index.html\*

Brand

Home Gallery Calendar Contacts

... / NAVIGATION BAR / NAV / ITEM

ATTRIBUTES

ID:

CLASS: active

HREF: calendar.html

BOOTSTRAP

STATE: Active

HIDE:

CHILDREN

ICON:

BADGE:

STYLE

CURRENT: None

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

HTML LESS/CSS

Pingendo

SECTIONS COMPONENTS Headers

CONTENTS

FOOTERS FORMS

NAVIGATION BAR / NAV / ITEM

SECTION

Back/Forward View Arrange Action Share Add Tags demo Search Search

Favorites

- Recents
- iCloud D...
- AirDrop
- Application...
- Documents
- Pictures
- Movies
- git\_home
- pyprojects
- Downloads
- Desktop
- htdocs

Name Date Modified Size Kind

Name	Date Modified	Size	Kind
gallery.html	Today at 12:23 AM	2 KB	HTML
index.html	Today at 12:23 AM	2 KB	HTML
style.css	Today at 12:14 AM	145 KB	CSS
style.less	Today at 12:14 AM	27 KB	Visual...oc

1 of 4 selected, 140.75 GB available

Duplicate index.html to create the other web pages and rename them according to the navigation item entry.

HTML LESS/CSS

```
35      </li>
36      <li>
37          <a href="contacts.html">Contacts<br></a>
38      </li>
```

CURRENT None

This screenshot shows the Pingendo web editor interface. On the left, there are sections for Headers, Contents, and Footers, each with various template options. The main workspace is a file browser titled 'demo' showing files like gallery.html, index.html, style.css, and style.less. A red annotation box highlights the 'index.html' file. Below the browser, a large red text box contains instructions: 'Duplicate index.html to create the other web pages and rename them according to the navigation item entry.' At the bottom, a code editor shows an HTML snippet with a link to 'contacts.html'. On the right, there are panels for Navigation Bar / Nav / Item, Selection, and a CURRENT dropdown set to 'None'.

Pingendo

demo

SEARCH

SECTION

NAVIGATION BAR / NAV / ITEM

ES

CURRENT

None

Active Disabled

AP

NAME

DATE MODIFIED

SIZE

KIND

Name

gallery.html

index.html

Today at 12:23 AM

2 KB

HTML

index.html

Today at 12:23 AM

2 KB

HTML

index.html

Today at 12:14 AM

145 KB

CSS

index.html

Today at 12:14 AM

27 KB

Visual...

index.html

Get Info

Rename

Compress "index.html"

Duplicate

Make Alias

Quick Look "index.html"

Share

Copy "index.html"

Show View Options

Tags...

40.74 GB available

HTML LESS/CSS

35 </li>

36 <li>

37 <a href="contacts.html">Contacts<br></a>

38 </li>

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

Back/Forward

View

Arrange

Action

Share

Add Tags

Search

Search

Favorites

Recents

iCloud D...

AirDrop

Applicati...

Docume...

Pictures

Movies

git\_home

pyprojects

Download...

Desktop

htdocs

SELECTION

NAVIGATION BAR / NAV / ITEM

ITEM

Pingendo

SECTIONS COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

demo

Back/Forward View Arrange Action Share Add Tags Search

Name Date Modified Size Kind

Name	Date Modified	Size	Kind
gallery.html	Today at 12:23 AM	2 KB	HTML
index copy.html	Today at 12:23 AM	2 KB	HTML
index.html	Today at 12:23 AM	2 KB	HTML
style.css	Today at 12:14 AM	145 KB	CSS
style.less	Today at 12:14 AM	27 KB	Visual...oc

1 of 5 selected, 140.74 GB available

CURRENT None

NAVIGATION BAR / NAV / ITEM

contacts.html

HTML LESS/CSS

```
35      </li>
36      <li>
37          <a href="contacts.html">Contacts<br></a>
38      </li>
```

Pingendo

SECTIONS COMPONENTS Headers

CONTENTS

FOOTERS FORMS

NAVIGATION BAR / NAV / ITEM

SECTION

AP

CURRENT None

demo

Back/Forward View Arrange Action Share Add Tags Search Search

Favorites

Name	Date Modified	Size	Kind
gallery.html	Today at 12:23 AM	2 KB	HTML
index copy.html	Today at 12:23 AM	2 KB	HTML
index.html	Today at 12:23 AM	2 KB	HTML
style.css	Today at 12:14 AM	145 KB	CSS
style.less	Today at 12:14 AM	27 KB	Visual...oc

1 of 5 selected, 140.74 GB available

HTML LESS/CSS

```
35      </li>
36      <li>
37          <a href="contacts.html">Contacts<br></a>
38      </li>
```

## Pingendo

SECTIONS    COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

demo

Back/Forward    View    Arrange    Action    Share    Add Tags

Search

Name    Date Modified    Size    Kind

Name	Date Modified	Size	Kind
gallery.html	Today at 12:23 AM	2 KB	HTML
calendar.html	Today at 12:23 AM	2 KB	HTML
index.html	Today at 12:23 AM	2 KB	HTML
style.css	Today at 12:14 AM	145 KB	CSS
style.less	Today at 12:14 AM	27 KB	Visual...oc

1 of 5 selected, 140.74 GB available

HTML    LESS/CSS

```
35      </li>
36      <li>
37          <a href="contacts.html">Contacts<br></a>
38      </li>
```

Navigation Bar / Nav / Item

None

Pingendo - /Users/yssuen/Desktop/demo/gallery.html

SECTIONS

COMPONENTS index.html x gallery.html\*

PAGE

SELECTION

... / NAVIGATION BAR / NAV / ITEM

HEADERS

CONTENTS

FOOTERS

FORMS

Open them inside Pigendo.

Brand

Home **Gallery** Calendar Contacts

ATTRIBUTES

ID

CLASS active

HREF gallery.html

BOOTSTRAP

STATE Active Disabled

HIDE

CHILDREN

ICON

BADGE

STYLE

CURRENT None

HTML LESS/CSS

```
29      </li>
30      <li class="active">
31          <a href="gallery.html">Gallery<br></a>
32      </li>
```

# **Layout Web Pages**

Pingendo

index.html\*

B I U S E N

Home Gallery Calendar Contacts

SECTIONS

HEADERS

CONTENTS

FOOTERS

PAGE

SELECTION

BODY

ATTRIBUTES

ID

CLASS

BOOTSTRAP

SCROLL

HIDE

STYLE

CURRENT

None

HTML LESS/CSS

```
1 /*!
2 * Default theme for Pingendo
3 * Homepage: http://pingendo.com
4 * Copyright 2015 Pingendo
5 * Licensed under MIT
6 * Based on Bootstrap v3.3.4
7 */
8
9
```

**B** *I* U ~~S~~ 

SECTIONS

COMPONENTS

index.html\* ✕

gallery.html ✕

calendar.html ✕

contacts.html ✕

PAGE

SELECTION

HEADERS

Brand

Home Gallery Calendar Contacts

... / BODY

ATTRIBUTES

ID

CLASS

BOOTSTRAP

SCROLL



HIDE



STYLE

CURRENT

None

HTML

LESS/CSS

```
1 /*!
2 * Default theme for Pingendo
3 * Homepage: http://pingendo.com
4 * Copyright 2015 Pingendo
5 * Licensed under MIT
6 * Based on Bootstrap v3.3.4
7 */
8
9
```

10

# **Change Navbar Color**

Pingendo - /Users/yssuen/Desktop/demo/index.html

index.html\* x gallery.html x calendar.html x contacts.html x

SECTIONS

HEADERS

CONTENTS

FOOTERS

B I U S P S

Mobile Desktop Laptop Monitor

PAGE

... / BODY

ATTRIBUTES

ID

CLASS

BOOTSTRAP

SCROLL X ✓

HIDE

STYLE

CURRENT None

HTML LESS/CSS

The screenshot shows the Pingendo web editor interface. At the top, there's a toolbar with file icons (New, Open, Save) and styling tools (Bold, Italic, Underline, Strikethrough, Paragraph, List, Image, Link). Below the toolbar is a navigation bar with tabs: index.html\*, gallery.html, calendar.html, and contacts.html. To the right of the tabs is a "PAGE" section with a breadcrumb "... / BODY". On the left, there's a sidebar with categories: SECTIONS, HEADERS, CONTENTS, and FOOTERS, each containing various UI component icons. The main workspace is a large white area with a blue border, labeled "Brand" at the top. At the bottom of the workspace, there's a navigation bar with links: Home, Gallery, Calendar, and Contacts. The bottom of the interface has tabs for "HTML" and "LESS/CSS". On the right side, there are sections for ATTRIBUTES (ID, CLASS), BOOTSTRAP (SCROLL, HIDE), and STYLE (CURRENT set to "None").

Pingendo - /Users/yssuen/Desktop/demo/index.html

Sections Components index.html\* x gallery.html x calendar.html x contacts.html x

B I U S E F N

Mobile Tablet Laptop Monitor

Page Selection

... / BODY

Attributes

ID

CLASS

Bootstrap

Scroll Hide

Style Current None

HEADERS

CONTENTS

FOOTERS

FORMS

Brand

Home Gallery Calendar Contacts

Open “LESS/CSS” tab.

HTML LESS/CSS

```
1 /*!
2 * Default theme for Pingendo
3 * Homepage: http://pingendo.com
4 * Copyright 2015 Pingendo
5 * Licensed under MIT
6 * Based on Bootstrap v3.3.4
7 */
8
9
10 /* Add custom CSS classes here
11 *
12 * img {
```

Pingendo - /Users/yssuen/Desktop/demo/index.html

Index.html\* x gallery.html x calendar.html x contacts.html x

SECTIONS COMPONENTS PAGE SELECTION

HEADERS

CONTENTS

FOOTERS

FORMS

B I U S E P G F

Brand

Home Gallery Calendar Contacts

Use Ctrl-F (Window) or Cmd-F(Mac) to search for text in the document.

... / BODY

ATTRIBUTES

ID

CLASS

BOOTSTRAP

SCROLL X ✓

HIDE

STYLE

CURRENT None

HTML LESS/CSS

Search: | (Use /re/ syntax for regexp search)

```
2 * Default theme for Pingendo
3 * Homepage: http://pingendo.com
4 * Copyright 2015 Pingendo
5 * Licensed under MIT
6 * Based on Bootstrap v3.3.4
7 */
8
9
10 /* Add custom CSS classes here
11 *
12 * img {
```

Pingendo - /Users/yssuen/Desktop/demo/index.html

index.html\* x gallery.html x calendar.html x contacts.html x

Home Gallery Calendar Contacts

Enter “navbar-default-bg”.

HTML LESS/CSS

Search: navbar-default-bg (Use /re/ syntax for regexp search)

```
260 n-tg-desktop : @screen-tg-min;
261 media queries don't overlap when required, provide a maximum
262 n-xs-max : (@screen-sm-min - 1);
263 n-sm-max : (@screen-md-min - 1);
264 n-md-max : (@screen-lg-min - 1);
265 rid system
266
267 efine your custom responsive grid.
268 umber of columns in the grid.
269 columns : 12;
270 adding between columns. Gets divided in half for the left and right.
```

Pingendo - /Users/yssuen/Desktop/demo/index.html

SECTIONS COMPONENTS index.html\* x gallery.html x calendar.html x contacts.html x PAGE SELECTION

HEADERS

CONTENTS

FOOTERS

B I U S F G N

Brand

Home Gallery Calendar Contacts

... / BODY

ATTRIBUTES ID CLASS

BOOTSTRAP SCROLL HIDE

STYLE CURRENT None

HTML LESS/CSS

```
293 //  
294 //##  
295 // Basics of a navbar  
296 @navbar-height : 50px;  
297 @navbar-margin-bottom : @line-height-computed;  
298 @navbar-border-radius : @border-radius-base;  
299 @navbar-padding-horizontal : floor(@grid-gutter-width / 2);  
300 @navbar-padding-vertical : (@navbar-height - @line-height-computed) / 2;  
301 @navbar-collapse-max-height : 340px;  
302 @navbar-default-color : black;  
303 @navbar-default-bg : #f8f8f8;  
304 @navbar-default-border : darken(@navbar-default-bg, 6.5%);  
305 // Navbar links
```

Pingendo - /Users/yssuen/Desktop/demo/index.html

index.html\* x gallery.html x calendar.html x contacts.html x

SECTIONS

COMPONENTS

HEADERS

CONTENTS

FOOTERS

FORMS

B I U S E F \$

Mobile Desktop Laptop Monitor

Brands

Home Gallery Calendar Contacts

... / BODY

ATTRIBUTES

ID

CLASS

BOOTSTRAP

SCROLL

HIDE

STYLE

CURRENT None

Find highlighted items and change the values.

HTML LESS/CSS

```
293 //  
294 //##  
295 // Basics of a navbar  
296 @navbar-height : 50px;  
297 @navbar-margin-bottom : @line-height-computed;  
298 @navbar-border-radius : @border-radius-base;  
299 @navbar-padding-horizontal : floor(@grid-gutter-width / 2);  
300 @navbar-padding-vertical : (@@navbar-height - @line-height-computed) / 2;  
301 @navbar-collapse-max-height : 340px;  
302 @navbar-default-color : white;  
303 @navbar-default-bg : green;  
304 @navbar-default-border : darken(@navbar-default-bg, 6.5%);  
305 // Navbar links
```

Pingendo - /Users/yssuen/Desktop/demo/index.html

Sections Components Index.html\* x gallery.html x contacts.html x calendar.html x

Page Selection ... / CAROUSEL

Headers

Contents

Footers

Forms

Brand

Home Gallery Calendar Contacts

ATTRIBUTES

ID: carousel-example

CLASS: carousel slide

BOOTSTRAP

HIDE:

CYCLE:

CHILDREN

CONTROLS:

CHILDREN: 

STYLE

CURRENT: None

HTML LESS/CSS

Pingendo - /Users/yssuen/Desktop/demo/index.html

**B** **I** **U** **S**

SECTIONS
COMPONENTS
index.html\* x
gallery.html x
contacts.html x
calendar.html x
PAGE
SELECTION

HEADERS
Brand
Home
Gallery
Calendar
Contacts

### Heading

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud

### Heading

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud

### Heading

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud

### Heading

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud

ATTRIBUTES
ID
CLASS
SRC

item active
./workshop files/pexels-photo-1065697.jpg

TEACH

BOOTSTRAP
ACTIVE
CAPTION
HIDE

✓
✗
✓
✗
□
□
□
□

STYLE
CURRENT
None

HTML
LESS/CSS

**B** *I* **U** **S** 

PAGE

SELECTION

SECTIONS

COMPONENTS

index.html

gallery.html

contacts.html

calendar.html

Home Gallery Calendar Contacts

... / CAROUSEL / CAROUSEL SLIDE / IMAGE

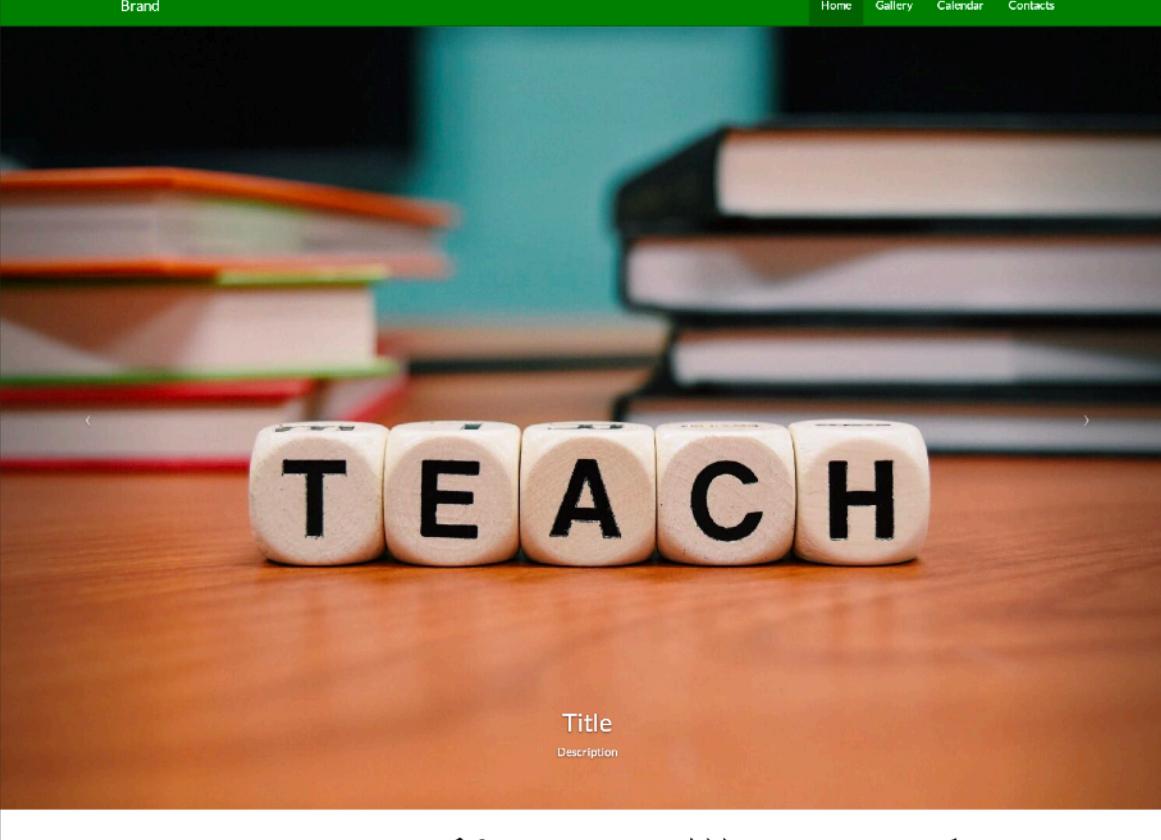
HEADERS



CONTENTS



FOOTERS



## ATTRIBUTES

ID

CLASS

SRC

 ./workshop files/pxels-photo

## BOOTSTRAP

STYLE

CENTERED

HIDE

## STYLE

CURRENT

None



# Bootstrap themes, templates, and more to help you start your next project!

Start Bootstrap creates free, open source, MIT license, Bootstrap [themes](#), [templates](#), and [code snippets](#) for you to use on any project, [guides](#) to help you learn more about designing and developing with the Bootstrap framework, and premium Bootstrap products.

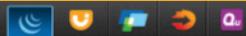


<https://startbootstrap.com/>

# **Free Bootstrap Templates & Images for Web Development**

1. <https://startbootstrap.com/template-categories/all/>
2. <https://adminlte.io/blog/10-Free-Responsive-Bootstrap-Templates-For-2016>
3. <https://www.pexels.com/>

# **Use JQuery for Talking to the Airtable API**



Plugins Contribute Events Support JS Foundation



Your donations help fund the continued development and growth of **jQuery**.

SUPPORT THE PROJECT

Download API Documentation Blog Plugins Browser Support

Search



#### Lightweight Footprint

Only 30kB minified and gzipped. Can also be included as an AMD module



#### CSS3 Compliant

Supports CSS3 selectors to find elements as well as in style property manipulation



#### Cross-Browser

Chrome, Edge, Firefox, IE, Safari, Android, iOS, and more



**Download jQuery**  
v3.3.1

The 1.x and 2.x branches no longer receive patches.

[View Source on GitHub →](#)

[How jQuery Works →](#)

## What is jQuery?

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

## Other Related Projects



## A Brief Look

## Resources

- [jQuery Core API Documentation](#)
- [jQuery Learning Center](#)
- [jQuery Blog](#)
- [Contribute to jQuery](#)
- [About the jQuery Foundation](#)
- [Browse or Submit jQuery Bugs](#)

[https://www.youtube.com/watch?time\\_continue=41&v=2OMzGhIZpg](https://www.youtube.com/watch?time_continue=41&v=2OMzGhIZpg)

# **Basic jQuery Structure & Syntax**

This means:

When the HTML document (i.e. DOM) is loaded,  
add the following jQuery functions (**in orange**) to  
your javascripts

```
$(document).ready(function() {
```

**Your jQuery functions go inside here.**

```
});
```

The following code demonstrates the basic structure of a jQuery function. The **selector** and **method** are two ingredients used to define a jQuery function:

```
$("<selector>").<method>('event',function(){  
    The actual script goes here.  
});
```

**Example:**

```
$("button#hide_h2").on('click',function(){  
    $("h2").hide();  
});
```

```
$(document).ready(function() {  
    $("button#hide_h2").on('click',function(){  
        $("h2").hide();  
    });  
  
    $("button#show_h2").on('click',function(){  
        $("h2").show();  
        $("h2").css("color","blue");  
        $("h2").html("You clicked me.");  
    });  });
```

# Key JQuery Features

- a. **DOM manipulation** using `$(“selector_name”).action`  
(e.g. `$(“H1”).html(“Good morning!”);`  
`$(“H1”).css(“color”, “red”);`)
- b. **Event handling** using click, keypress and other events  
(e.g. `$(“button#ok”).click(function() {...});`)
- c. **Visual effects** such as show, hide, fade, slideup (e.g. `$(“#section”).fadeIn(3000);`)
- d. **UI enhancement** such as draggable, droppable (e.g.  
`$(“#object”).draggable();`)
- e. **GetJSON** request to obtain API data (e.g.

# **Working with JSON and JQuery**

## CLASS EXERCISE LINKS

JQuery DataTable ([http://www.webslesson.info/2016/07/  
show-json-data-in-jquery-datatables.html](http://www.webslesson.info/2016/07/show-json-data-in-jquery-datatables.html))

**Let's walkthrough the codes.**

```
<body>
    <br /><br />
    <div class="container">
        <h1 align="center">Show JSON Data in Jquery Datatables</h3><br />
        <h3 align="center">Employee Database</h3><br />
        <table id="data-table" class="table table-bordered">
            <thead>
                <tr>
                    <th>Name</th>
                    <th>Gender</th>
                    <th>Designation</th>
                </tr>
            </thead>
        </table>
    </div>
</body>
```

**THE HTML OBJECT**

```
$(document).ready(function() {  
  
});
```

```
$(document).ready(function() {  
    $('#data-table').DataTable({  
        "ajax" : "employee_data.json",  
        "columns" : [  
            { "data" : "name" },  
            { "data" : "gender"},  
            { "data" : "designation"}  
        ]  
    });  
});
```

**THE JQuery Codes**

```
{  
  "data" : [  
    {  
      "name": "Michael Bruce",  
      "gender": "Male",  
      "designation": "System Architect"  
    },  
    {  
      "name": "Jennifer Winters",  
      "gender": "Female",  
      "designation": "Senior Programmer"  
    },  
    {  
      "name": "Donna Fox",  
      "gender": "Female",  
      "designation": "Office Manager"  
    },
```

**THE JSON DATA**

# Show JSON Data in Jquery Datatables

## Employee Database

Show 10 entries

Search:

Name	Gender	Designation
Andre F. Morris	Male	Respiratory therapy technician
Antionette J. Ellard	Female	Power plant distributor
Antonia K. Vogl	Female	Psychiatrist
Art D. Steiner	Male	Camp director
Barbara W. Ibarra	Female	Regional geographer
Brenda J. Fowler	Female	Radio equipment installer
Carol T. McDill	Female	Power distributor
Charles E. Drexler	Male	Pamphlet binding worker
Cheryl P. Mahn	Female	Credit manager
Christina R. Relin	Female	Cost engineer

<https://ybsuen.github.io/com5961-2019/lesson7/json-datable.html>

# **Using JavaScript & JQuery to Handle Conditional & Loop**

# **Introducing JavaScript Object, Array, and Loop**

# JavaScript Object

The screenshot shows a web browser window with the Google homepage loaded. The browser's address bar says "Search Google or type a URL". Below the address bar is a toolbar with various bookmarks. The main content area displays the classic Google logo. At the bottom of the page is the developer tools' "Console" tab, which is active. The console output shows the following JavaScript code being run:

```
17:25:20.426 SW registered
> 17:26:54.913 var student1 = {name:'John',id:1001};
< 17:26:54.918 undefined
> 17:27:13.330 var student2 = {name:'Mary',id:1002};
< 17:27:13.335 undefined
> 17:28:15.340 student3 = {name:'David',id:1003};
< 17:28:15.346 > {name: "David", id: 1003}
> students = [];
```

[https://www.w3schools.com/js/js\\_objects.asp](https://www.w3schools.com/js/js_objects.asp)

A screenshot of a web browser window. At the top, the address bar shows "Search Google or type a URL". Below it is a navigation bar with links to various categories like Apps, Cyberport Bootca..., Blockchain, NLP and Chatbot, FinTech, E-Commerce, Classes, Development Tools, Data Science, Machine Learning, Music, Drupal, and Cloud Providers. On the right side of the browser are standard icons for bookmarks, tabs, and user profile.

The main content area displays the title "JavaScript Array" in large red text, followed by the Google logo. Below the logo is a search bar with the placeholder "Search Google or type a URL".

At the bottom of the image, the developer tools' "Console" tab is active. The left sidebar lists log levels: 23 messages (No errors, 4 warnings, 14 info, 5 verbose). The main pane shows the following JavaScript code execution:

```
> 0: {name: "John", id: 1001}
length: 1
> __proto__: Array(0)

> 17:45:10.195 students.push(student2);
< 17:45:10.206 2
> 17:45:19.164 students.push(student3);
< 17:45:19.169 3
> 17:45:23.621 students;
< 17:45:23.629 ▶ (3) [{} , {} , {} ] ⓘ
    ▶ 0: {name: "John", id: 1001}
    ▶ 1: {name: "Mary", id: 1002}
    ▶ 2: {name: "David", id: 1003}
    length: 3
    > __proto__: Array(0)
```

[https://www.w3schools.com/js/js\\_arrays.asp](https://www.w3schools.com/js/js_arrays.asp)

The screenshot shows a web browser window with the following details:

- Address Bar:** Search Google or type a URL
- Bookmark Bar:** Apps, Cyberport Bootca..., Blockchain, NLP and Chatbot, FinTech, E-Commerce, Classes, Development Tools, Data Science, Machine Learning, Music, Drupal, Cloud Providers, Other Bookmarks
- Right Side:** Gmail, Images, a grid icon, and a user profile picture.

The main content area displays the word "Loop" in large red letters above the Google logo. Below the logo is a search bar with the placeholder "Search Google or type a URL".

The developer tools console tab is active, showing the following log output:

```
> 17:40:25.934 students.push[student2];
< 17:40:25.939 undefined
> 17:40:28.751 students.push[student3];
< 17:40:28.756 undefined
> 17:40:31.102 students.push[student3];
< 17:40:31.107 undefined
> 17:40:37.113 students
< 17:40:37.116 []
  length: 0
  ▶ __proto__: Array(0)
> 17:41:33.699 students;
< 17:41:33.705 []
> for (i = 0; i<4; i++) {document.write(students[i].name + "/" + students[i].id + "<br>");}
```

**Console Tab:** Elements, Console, Sources, Network, Performance, Memory, Application, Security, Audits, JavaScript Profiler

**Left Sidebar:** 6 messages, 1 user mes..., No errors, 2 warnings, 2 info, 2 verbose

**Bottom Status Bar:** 5 hidden, gear icon

**Bottom URL:** [https://www.w3schools.com/js/js\\_loop\\_for.asp](https://www.w3schools.com/js/js_loop_for.asp)

# **Activating the Airtable API**

## Open Refine Import

HELP ?  

Product

Grid view

	A company	A product_code	A product_no	A geocode2	A json	A gender	A name	+
1	Phillips	radio	5	Groningsingel 14...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+14,+Groningen&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+14,+Groningen&amp;sensor=false</a>	m	p. jansen	
2	Phillips	radio	43	Groningsingel 14...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+14,+Groningen&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+14,+Groningen&amp;sensor=false</a>	m	p. hansen	
3	Phillips	computer	3	Groningsingel 14...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+14,+Groningen&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+14,+Groningen&amp;sensor=false</a>	m	j. Gansen	
4	Phillips	computer	34	Groningsingel 15...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+15,+Groningen&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+15,+Groningen&amp;sensor=false</a>	m	p. mansen	
5	Phillips	computer	12	Groningsingel 15...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+15,+Groningen&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+15,+Groningen&amp;sensor=false</a>	m	p. fransen	
6	Phillips	radio	23	Groningsingel 15...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+15,+Groningen&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Groningsingel+15,+Groningen&amp;sensor=false</a>	m	p. franssen	
7	Akzo	tv	43	Leeuwardenweg 17...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+17,+Leeuwarden&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+17,+Leeuwarden&amp;sensor=false</a>	m	p. bansen	
8	Akzo	tv	12	Leeuwardenweg 17...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+17,+Leeuwarden&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+17,+Leeuwarden&amp;sensor=false</a>	m	p. vansen	
9	Akzo	computer	5	Leeuwardenweg 18...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false</a>	m	p. bransen	
10	Akzo	radio	34	Leeuwardenweg 18...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false</a>	m	p. janssen	
11	Akzo	tablet	5	Leeuwardenweg 18...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false</a>	f	I. rokken	
12	Akzo	tablet	9	Leeuwardenweg 18...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false</a>	f	I. lokken	
13	Akzo	computer	8	Leeuwardenweg 18...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Leeuwardenweg+18,+Leeuwarden&amp;sensor=false</a>	f	I. mokken	
14	Phillips	radio	56	Delfzijlstraat 54, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+54,+ar...&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+54,+ar...&amp;sensor=false</a>	f	I. mokken	
15	Phillips	tv	67	Delfzijlstraat 55, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+55,+ar...&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+55,+ar...&amp;sensor=false</a>	f	I. mokken	
16	Phillips	tv	21	Delfzijlstraat 56, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+56,+ar...&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+56,+ar...&amp;sensor=false</a>	f	I. mokken	
17	Van Houten	computer	45	Delfzijlstraat 57, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+57,+ar...&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+57,+ar...&amp;sensor=false</a>	f	I. sokken	
25 records								

bsysin@gmail.com

Account

Notification preferences

Upgrade

Tell a friend

Log out



ACCOUNT

[Overview](#)[★ Referrals and credits](#)[⌚ Recent activity](#)

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FREE PLAN

## Get \$10 in credit for every person you invite.

You've been awarded credit for inviting 2 users

- ✓ You received \$2 in credit for installing the mobile app.

[Referrals and credits →](#)

↔ API

This is your personal API key. It's required in order to use the [Airtable API](#).

.....

[⟳ Regenerate API key](#)[🔒 Delete key](#)

### ✿ GOOGLE CONTACTS INTEGRATION

Allow Airtable to import your Google Contacts. ⓘ

Make it easy to invite your contacts to collaborate in Airtable.

### ✿ GOOGLE DRIVE INTEGRATION

Link your Airtable account to Google Drive.

You'll be able to create and open Airtable bases from Google Drive

## Open Refine Import

HELP  4  
SHARE  BLOCKS 

Product 

Grid view  Hide fields  Filter  Group  Sort  Color  

	A company	A product_code	A product_no	A geocode2	A json	A gender	A name	+	
1	Phillips	radio	5	Groningensingel 14...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. jansen		
2	Phillips	radio	43	Groningensingel 14...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. hansen		
3	Phillips	computer	3	Groningensingel 14...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	j. Gansen		
4	Phillips	computer	34	Groningensingel 15...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. mansen		
5	Phillips	computer	12	Groningensingel 15...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. fransen		
6	Phillips	radio	23	Groningensingel 15...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. franssen		
7	Akzo	tv	43	Leeuwardenweg 17...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. bansen		
8	Akzo	tv	12	Leeuwardenweg 17...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. vansen		
9	Akzo	computer	5	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. bransen		
10	Akzo	radio	34	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. janssen		
11	Akzo	tablet	5	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	I. rokken		
12	Akzo	tablet	9	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	I. lokken		
13	Akzo	computer	8	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	I. mokken		
14	Phillips	radio	56	Delfzijlstraat 54, ar...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	I. mokken		
15	Phillips	tv	67	Delfzijlstraat 55, ar...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	I. mokken		
16	Phillips	tv	21	Delfzijlstraat 56, ar...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	I. mokken		
17	Van Houten	computer	45	Delfzijlstraat 57, ar...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	I. sokken		

25 records

## Open Refine Import

HELP ?



Product +

Grid view



Hide fields

Filter

Group

Sort

Color



...

	A company	A product_code	A product_no	A geocode2	A json	A gender	A name	+
1	Phillips	radio	5	Groningensingel 14...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. jansen	
2	Phillips	radio	43	Groningensingel 14...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. hansen	
3	Phillips	computer	3	Groningensingel 14...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	j. Gansen	
4	Phillips	computer	34	Groningensingel 15...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. mansen	
5	Phillips	computer	12	Groningensingel 15...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. fransen	
6	Phillips	radio	23	Groningensingel 15...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. franssen	
7	Akzo	tv	43	Leeuwardenweg 17...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. bansen	
8	Akzo	tv	12	Leeuwardenweg 17...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. vansen	
9	Akzo	computer	5	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. bransen	
10	Akzo	radio	34	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	m	p. janssen	
11	Akzo	tablet	5	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	l. rokken	
12	Akzo	tablet	9	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	l. lokken	
13	Akzo	computer	8	Leeuwardenweg 18...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	l. mokken	
14	Phillips	radio	56	Delfzijlstraat 54, ar...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	l. mokken	
15	Phillips	tv	67	Delfzijlstraat 55, ar...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	l. mokken	
16	Phillips	tv	21	Delfzijlstraat 56, ar...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	l. mokken	
17	Van Houten	computer	45	Delfzijlstraat 57, ar...	<a href="http://maps.googleapis.com">http://maps.googleapis.com</a> ...	f	l. sokken	

25 records

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RATE LIMITS

**AUTHENTICATION**

PRODUCT TABLE

Fields

List records

Retrieve a record

Create records

Update records

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ERRORS

**AUTHENTICATION**

Airtable uses simple token-based authentication. To generate or manage your API key, visit your [account](#) page. **Your API key carries the same privileges as your user account, so be sure to keep it secret!**

You can authenticate to the API by providing your API key in the HTTP authorization bearer token header. Alternatively, a slightly lower-security approach is to provide your API key with the `api_key` query parameter.

All API requests must be authenticated and made over HTTPS.

**PRODUCT TABLE****Fields**

Each record in the `Product` table contains the following fields:

FIELD NAME	TYPE	DESCRIPTION
<code>company</code>	Text	<code>string</code> A single line of text.

curl

JavaScript

 show API key

Checking this box will reveal your real live API key in the code below -- be sure to keep it secret!

**EXAMPLE USING BEARER TOKEN (RECOMMENDED)**

```
$ curl https://api.airtable.com/v0/appK.../dHt3AVTL/Product \
-H "Authorization: Bearer keyTc..."
```

**EXAMPLE USING QUERY PARAMETER**

```
$ curl https://api.airtable.com/v0/appK.../dHt3AVTL/Product?
api_key=keyTc..."
```

**EXAMPLE VALUES**

```
"Phillips"
"Phillips"
"Phillips"
"Phillips"
"Phillips"
```

```
{"records": [{"id": "rec3HT1JWHJkWzOW9", "fields": {"company": "Van Houten", "product_code": "tv", "product_no": "56", "geocode2": "Delfzijlstraat 58, arnhem, the netherlands", "json": "http://maps.googleapis.com/maps/api/geocode/json?sensor=false&address=Delfzijlstraat+58%2C+arnhem%2C+the+netherlands", "gender": "f", "name": "l. wokken"}, "createdTime": "2019-10-20T13:27:55.000Z"}, {"id": "rec3raoMoTAUiT8qB", "fields": {"company": "Van Houten", "product_code": "radio", "product_no": "23", "geocode2": "Delfzijlstraat 61, arnhem, the netherlands", "json": "http://maps.googleapis.com/maps/api/geocode/json?sensor=false&address=Delfzijlstraat+61%2C+arnhem%2C+the+netherlands", "gender": "f", "name": "l. dokken"}, "createdTime": "2019-10-20T13:27:55.000Z"}, {"id": "rec50XNS5jyVFVpVt", "fields": {"company": "Akzo", "product_code": "tv", "product_no": "12", "geocode2": "Leeuwardenweg 179, arnhem, the netherlands", "json": "http://maps.googleapis.com/maps/api/geocode/json?sensor=false&address=Leeuwardenweg+179%2C+arnhem%2C+the+netherlands", "gender": "m", "name": "p. vansen"}, "createdTime": "2019-10-20T13:27:55.000Z"}, {"id": "rec5NDqIL9M4lTcCw", "fields": {"company": "Phillips", "product_code": "radio", "product_no": "23", "geocode2": "Groningen singel 152, arnhem, the netherlands", "json": "http://maps.googleapis.com/maps/api/geocode/json?"}]}
```

## JSON Viewer☆

Save &amp; Share

```
1 [{"records": [{"id": "rec3HT1JWHJKw0W9", "fields": {"company": "Van Houten", "Product code": "tv", "Number": "56", "geocode2": "Delfzijlstraat 58, arnhem, the netherlands", "json": "http://maps.googleapis.com/maps/api/geocode/json?sensor=false&address=Delfzijlstraat+58%2C+arnhem%2C+the+netherlands", "Gender": "f", "name": "l. wokken"}, "createdTime": "2019-10-20T13:27:55.000Z"}, {"id": "rec3raoMoTAUiT8qB", "fields": {"company": "Van Houten", "Product code": "radio", "Number": "23", "geocode2": "Delfzijlstraat 61, arnhem, the netherlands", "json": "http://maps.googleapis.com/maps/api/geocode/json?sensor=false&address=Delfzijlstraat+61%2C+arnhem%2C+the+netherlands", "Gender": "f", "name": "l. dokken"}, "createdTime": "2019-10-20T13:27:55.000Z"}, {"id": "rec50XNS5jyVFVpVt", "fields": {"company": "Akzo", "Product code": "tv", "Number": "12", "geocode2": "Leeuwardenweg 179, arnhem, the netherlands", "json": "http://maps.googleapis.com/maps/api/geocode/json?sensor=false&address=Leeuwardenweg+179%2C+arnhem%2C+the+netherlands", "Gender": "m", "name": "p. vansen"}, "createdTime": "2019-10-20T13:27:55.000Z"}, {"id": "rec5NDqIL9M4lTcCw", "fields": {"company": "Phillips", "Product code": "radio", "Number": "23", "geocode2": "Groningsingel 152, arnhem, the netherlands", "json": "http://maps.googleapis.com/maps/api/geocode/json?sensor=false&address=Groningsingel+152%2C+arnhem%2C+the+netherlands", "Gender": "m", "name": "p. franssen"}]}]
```

Ln: 1 Col: 1

Result mode:

tree

Load Url

Browse

Tree Viewer

2 Tab Space

Beautify

guidebook  
Build a beautiful mobile app in 4 easy steps.  
LEARN MORE

object ► records ►

object {1}

records [25]

- 0 {3}
- 1 {3}
- 2 {3}
- 3 {3}
- 4 {3}
- 5 {3}
- 6 {3}
- 7 {3}
- 8 {3}
- 9 {3}
- 10 {3}
- 11 {3}
- 12 {3}
- 13 {3}
- 14 {3}
- 15 {3}
- 16 {3}

<https://codebeautify.org/jsonviewer>



# JSON Viewer☆

[Save & Share](#)

```
1  [{"records": [{"id": "rec3HT1JWHJkWzOW9", "fields":  
    {"company": "Van Houten", "Product code": "tv", "Number":  
     "56", "geocode2": "Delfzijlstraat 58, arnhem, the  
     netherlands", "json": "http://maps.googleapis.com/maps  
     /api/geocode/json?sensor=false&address=Delfzijlstraat  
     +58%2C+arnhem%2C+the+netherlands", "Gender": "f", "name":  
     "l. wokken"}, "createdTime": "2019-10-20T13:27:55  
     .000Z"}, {"id": "rec3raoMoTAUiT8qB", "fields": {"company":  
     "Van Houten", "Product code": "radio", "Number": "23"  
     , "geocode2": "Delfzijlstraat 61, arnhem, the  
     netherlands", "json": "http://maps.googleapis.com/maps  
     /api/geocode/json?sensor=false&address=Delfzijlstraat  
     +61%2C+arnhem%2C+the+netherlands", "Gender": "f", "name":  
     "l. dokken"}, "createdTime": "2019-10-20T13:27:55  
     .000Z"}, {"id": "rec50XNS5jyVFVpVt", "fields": {"company":  
     "Akzo", "Product code": "tv", "Number": "12", "geocode2":  
     "Leeuwardenweg 179, arnhem, the netherlands", "json":  
     "http://maps.googleapis.com/maps/api/geocode/json  
     ?sensor=false&address=Leeuwardenweg+179%2C+arnhem%2C  
     +the+netherlands", "Gender": "m", "name": "p. vansen"},  
     "createdTime": "2019-10-20T13:27:55.000Z"}, {"id":  
     "rec5NDqIL9M4lTcCw", "fields": {"company": "Phillips",  
     "Product code": "radio", "Number": "23", "geocode2":  
     "Groningsingel 152, arnhem, the netherlands", "json":  
     "http://maps.googleapis.com/maps/api/geocode/json  
     ?sensor=false&address=Groningsingel+152%2C+arnhem%2C  
     +the+netherlands", "Gender": "m", "name": "p. franssen"}]}  
Ln: 1 Col: 1
```

Result mode:

tree

Load Url

Browse

Tree Viewer

2 Tab Space

Beautify



object ► records ► 0 ► fields ►

object {1}

records [25]

0 {3}

id : rec3HT1JWHJkWzOW9

fields {7}

company : Van Houten

Product code : tv

Number : 56

geocode2 : Delfzijlstraat 58, arnhem, the netherlands

json : http://maps.googleapis.com/maps/api/geocode/json?sensor=false&address=Delfzijlstraat+58%2C+arnhem%2C+

Gender : f

name : l. wokken

createdTime : 2019-10-20T13:27:55.000Z

1 {3}

2 {3}

3 {3}

4 {3}

<https://codebeautify.org/jsonviewer>

# Airtable Embedded Grid View

	company	product_code	product_no	geocode2	json	gender	name
15	Phillips	tv	67	Delfzijlstraat 55, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+55,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+55,+arnhem&amp;sensor=false</a>	f	I. mokken
16	Phillips	tv	21	Delfzijlstraat 56, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+56,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+56,+arnhem&amp;sensor=false</a>	f	I. mokken
17	Van Houten	computer	45	Delfzijlstraat 57, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+57,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+57,+arnhem&amp;sensor=false</a>	f	I. sokken
18	Van Houten	tv	56	Delfzijlstraat 58, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+58,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+58,+arnhem&amp;sensor=false</a>	f	I. wokken
19	Van Houten	tv	65	Delfzijlstraat 59, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+59,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+59,+arnhem&amp;sensor=false</a>	f	I. kokken
20	Van Houten	computer	21	Delfzijlstraat 60, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+60,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+60,+arnhem&amp;sensor=false</a>	f	I. Bokken
21	Van Houten	radio	23	Delfzijlstraat 61, ar...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+61,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Delfzijlstraat+61,+arnhem&amp;sensor=false</a>	f	I. dokken
22	Unilever	computer	3	Jourestraat 23, arn...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Jourestraat+23,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Jourestraat+23,+arnhem&amp;sensor=false</a>	f	I. gokken
23	Unilever	tablet	4	Jourestraat 24, arn...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Jourestraat+24,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Jourestraat+24,+arnhem&amp;sensor=false</a>	f	I. stokken
24	Unilever	tablet	6	Jourestraat 25, arn...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Jourestraat+25,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Jourestraat+25,+arnhem&amp;sensor=false</a>	f	I. rokken
25	Unilever	tablet	8	Jourestraat 26, arn...	<a href="http://maps.googleapis.com/maps/api/geocode/json?address=Jourestraat+26,+arnhem&amp;sensor=false">http://maps.googleapis.com/maps/api/geocode/json?address=Jourestraat+26,+arnhem&amp;sensor=false</a>	f	I. rokken

# Airtable GetJSON

Airtable API Demo

Using jQuery getJSON and  
Airtable API for fun!

Airtable is a wonderful spreadsheet-like database with many useful features for data modeling and basic analytics. When used with other data visualization libraries, it can be a great tool for rapid prototyping

Show Table

Show 10 entries

Search:

Company ↴	Product ↴	Number ↴	Geo Code ↴	JSON	↪	Gender ↴	Name
Akzo	tv	12	Leeuwardenweg 179, arnhem, the netherlands	<a href="http://maps.googleapis.com/maps/api/geocode/json?sensor=false&amp;address=Leeuwardenweg+179%2C+arnhem%2C+the+netherlands">http://maps.googleapis.com/maps/api/geocode/json? sensor=false&amp;address=Leeuwardenweg+179%2C+arnhem%2C+the+netherlands</a>	↪	m	p. vanser
Akzo	radio	34	Leeuwardenweg 181, arnhem, the netherlands	<a href="http://maps.googleapis.com/maps/api/geocode/json?sensor=false&amp;address=Leeuwardenweg+181%2C+arnhem%2C+the+netherlands">http://maps.googleapis.com/maps/api/geocode/json? sensor=false&amp;address=Leeuwardenweg+181%2C+arnhem%2C+the+netherlands</a>	↪	m	p. jansse
Akzo	tv	43	Leeuwardenweg 178, arnhem, the netherlands	<a href="http://maps.googleapis.com/maps/api/geocode/json?sensor=false&amp;address=Leeuwardenweg+178%2C+arnhem%2C+the+netherlands">http://maps.googleapis.com/maps/api/geocode/json? sensor=false&amp;address=Leeuwardenweg+178%2C+arnhem%2C+the+netherlands</a>	↪	m	p. bansei
Akzo	tablet	9	Leeuwardenweg 183, arnhem, the netherlands	<a href="http://maps.googleapis.com/maps/api/geocode/json?sensor=false&amp;address=Leeuwardenweg+183%2C+arnhem%2C+the+netherlands">http://maps.googleapis.com/maps/api/geocode/json? sensor=false&amp;address=Leeuwardenweg+183%2C+arnhem%2C+the+netherlands</a>	↪	f	l. lokken

# **How does it work - getting Airtable data into JQuery DataTable?**

## Javascript sourced data

Using DataTables

### Examples

[Basic initialisation](#)[Advanced initialisation](#)[Styling](#)

### Data sources

[API](#)[Ajax](#)[Server-side](#)[Plug-ins](#)

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At times you will wish to be able to create a table from dynamic information passed directly to DataTables, rather than having it read from the document. This is achieved using the `data Option` in the initialisation object, passing in an array of data to be used (like all other DataTables handled data, this can be arrays or objects using the `columns.data Option`).

A `table Tag` must be available on the page for DataTables to use. This examples shows an empty `table Tag` element being initialised as a DataTable with a set of data from a Javascript array. The columns in the table are dynamically created based on the `columns.title Option` configuration option.

Show `10` entries

Search:

Name	Position	Office	Extn.	Start date	Salary
Airi Satou	Accountant	Tokyo	5407	2008/11/28	\$162,700
Angelica Ramos	Chief Executive Officer (CEO)	London	5797	2009/10/09	\$1,200,000
Ashton Cox	Junior Technical Author	San Francisco	1562	2009/01/12	\$86,000
Bradley Greer	Software Engineer	London	2558	2012/10/13	\$132,000
Brenden Wagner	Software Engineer	San Francisco	1314	2011/06/07	\$206,850
Brielle Williamson	Integration Specialist	New York	4804	2012/12/02	\$372,000

[https://datatables.net/examples/data\\_sources/js\\_array.html](https://datatables.net/examples/data_sources/js_array.html)

Get DataTables

[Download](#)

[Purchase](#)

Caesar Vance	Pre-Sales Support	New York	8330	2011/12/12	\$106,450
Cedric Kelly	Senior Javascript Developer	Edinburgh	6224	2012/03/29	\$433,060
Charde Marshall	Regional Director	San Francisco	6741	2008/10/16	\$470,600
Colleen Hurst	Javascript Developer	San Francisco	2360	2009/09/15	\$205,500

Showing 1 to 10 of 36 entries

Previous 1 2 3 4 Next

[Javascript](#) [HTML](#) [CSS](#) [Comments \(0\)](#)

The Javascript shown below is used to initialise the table shown in this example:

```

1 var dataSet = [
2   [ "Tiger Nixon", "System Architect", "Edinburgh", "5421", "2011/04/25", "$320,800" ],
3   [ "Garrett Winters", "Accountant", "Tokyo", "8422", "2011/07/25", "$170,750" ],
4   [ "Ashton Cox", "Junior Technical Author", "San Francisco", "1562", "2009/01/12", "$86,000" ],
5   [ "Cedric Kelly", "Senior Javascript Developer", "Edinburgh", "6224", "2012/03/29", "$433,000" ],
6   [ "Airi Satou", "Accountant", "Tokyo", "5407", "2008/11/28", "$162,700" ],
7   [ "Brielle Williamson", "Integration Specialist", "New York", "4804", "2012/12/02", "$372,000" ],
8   [ "Herrod Chandler", "Sales Assistant", "San Francisco", "9608", "2012/08/06", "$137,500" ],
9   [ "Rhona Davidson", "Integration Specialist", "Tokyo", "6200", "2010/10/14", "$327,900" ],
10  [ "Colleen Hurst", "Javascript Developer", "San Francisco", "2360", "2009/09/15", "$205,500" ],
11  [ "Sonya Frost", "Software Engineer", "Edinburgh", "1667", "2008/12/13", "$103,600" ],
12  [ "Jena Gaines", "Office Manager", "London", "3814", "2008/12/19", "$90,560" ],
13  [ "Quinn Flynn", "Support Lead", "Edinburgh", "9497", "2013/03/03", "$342,000" ],
14  [ "Charde Marshall", "Regional Director", "San Francisco", "6741", "2008/10/16", "$470,600" ],
15  [ "Haley Kennedy", "Senior Marketing Designer", "London", "3597", "2012/12/18", "$313,500" ],
16  [ "Tatyana Fitzpatrick", "Regional Director", "London", "1965", "2010/03/17", "$385,750" ],
17  [ "Michael Silva", "Marketing Designer", "London", "1581", "2012/11/27", "$198,500" ],
18  [ "Paul Byrd", "Chief Financial Officer (CFO)", "New York", "3059", "2010/06/09", "$725,000" ],
19  [ "Gloria Little", "Systems Administrator", "New York", "1721", "2009/04/10", "$237,500" ],
20  [ "Bradley Greer", "Software Engineer", "London", "2558", "2012/10/13", "$132,000" ],
21  [ "Dai Rios", "Personnel Lead", "Edinburgh", "2298", "2012/09/26", "$217,500" ],
22  [ "Jenette Caldwell", "Development Lead", "New York", "1937", "2011/09/03", "$345,000" ],
23  [ "Yuri Berry", "Chief Marketing Officer (CMO)", "New York", "6154", "2009/06/25", "$675,000" ],
24  [ "Caesar Vance", "Pre-Sales Support", "New York", "8330", "2011/12/12", "$106,450" ],
25  [ "Doris Wilder", "Sales Assistant", "Sydney", "3023", "2010/09/20", "$85,600" ],
26  [ "Angelica Ramos", "Chief Executive Officer (CEO)", "London", "5797", "2009/10/09", "$1,200,000" ],
27  [ "Gavin Joyce", "Developer", "Edinburgh", "8822", "2010/12/22", "$92,575" ],

```

[https://datatables.net/examples/data\\_sources/js\\_array.html](https://datatables.net/examples/data_sources/js_array.html)

```

8      [ "Herrod Chandler", "Sales Assistant", "San Francisco", "9608", "2012/08/06", "$137,500" ],
9      [ "Rhona Davidson", "Integration Specialist", "Tokyo", "6200", "2010/10/14", "$327,900" ],
10     [ "Colleen Hurst", "Javascript Developer", "San Francisco", "2360", "2009/09/15", "$205,500" ],
11     [ "Sonya Frost", "Software Engineer", "Edinburgh", "1667", "2008/12/13", "$103,600" ],
12     [ "Jena Gaines", "Office Manager", "London", "3814", "2008/12/19", "$90,560" ],
13     [ "Quinn Flynn", "Support Lead", "Edinburgh", "9497", "2013/03/03", "$342,000" ],
14     [ "Charde Marshall", "Regional Director", "San Francisco", "6741", "2008/10/16", "$470,600" ],
15     [ "Haley Kennedy", "Senior Marketing Designer", "London", "3597", "2012/12/18", "$313,500" ],
16     [ "Tatyana Fitzpatrick", "Regional Director", "London", "1965", "2010/03/17", "$385,750" ],
17     [ "Michael Silva", "Marketing Designer", "London", "1581", "2012/11/27", "$198,500" ],
18     [ "Paul Byrd", "Chief Financial Officer (CFO)", "New York", "3059", "2010/06/09", "$725,000" ],
19     [ "Gloria Little", "Systems Administrator", "New York", "1721", "2009/04/10", "$237,500" ],
20     [ "Bradley Greer", "Software Engineer", "London", "2558", "2012/10/13", "$132,000" ],
21     [ "Dai Rios", "Personnel Lead", "Edinburgh", "2290", "2012/09/26", "$217,500" ],
22     [ "Janette Caldwell", "Development Lead", "New York", "1937", "2011/09/03", "$345,000" ],
23     [ "Yuri Berry", "Chief Marketing Officer (CMO)", "New York", "6154", "2009/06/25", "$675,00" ],
24     [ "Caesar Vance", "Pre-Sales Support", "New York", "8330", "2011/12/12", "$106,450" ],
25     [ "Doris Wilder", "Sales Assistant", "Sydney", "3023", "2010/09/20", "$85,600" ],
26     [ "Angelica Ramos", "Chief Executive Officer (CEO)", "London", "5797", "2009/10/09", "$1,20" ],
27     [ "Gavin Joyce", "Developer", "Edinburgh", "8822", "2010/12/22", "$92,575" ],
28     [ "Jennifer Chang", "Regional Director", "Singapore", "9239", "2010/11/14", "$357,650" ],
29     [ "Brenden Wagner", "Software Engineer", "San Francisco", "1314", "2011/06/07", "$206,850" ],
30     [ "Fiona Green", "Chief Operating Officer (COO)", "San Francisco", "2947", "2010/03/11", "$" ],
31     [ "Shou Itou", "Regional Marketing", "Tokyo", "8899", "2011/08/14", "$163,000" ],
32     [ "Michelle House", "Integration Specialist", "Sydney", "2769", "2011/06/02", "$95,400" ],
33     [ "Suki Burks", "Developer", "London", "6832", "2009/10/22", "$114,500" ],
34     [ "Prescott Bartlett", "Technical Author", "London", "3606", "2011/05/07", "$145,000" ],
35     [ "Gavin Cortez", "Team Leader", "San Francisco", "2860", "2008/10/26", "$235,500" ],
36     [ "Martena Mccray", "Post-Sales support", "Edinburgh", "8240", "2011/03/09", "$324,050" ],
37     [ "Unity Butler", "Marketing Designer", "San Francisco", "5384", "2009/12/09", "$85,675" ],
38   ];
39
40 $(document).ready(function() {
41   $('#example').DataTable( {
42     data: dataSet,
43     columns: [
44       { title: "Name" },
45       { title: "Position" },
46       { title: "Office" },
47       { title: "Extn." },
48       { title: "Start date" },
49       { title: "Salary" }
50     ]
51   } );
52 });

```

[https://datatables.net/examples/data\\_sources/js\\_array.html](https://datatables.net/examples/data_sources/js_array.html)

```
17
18     $("button#get_data").click(function() {
19         var items = [];
20         var i = 0;
21         var airtable_read_endpoint = "https://api.airtable.com/v0/appKIU0zkdhT3";
22         var dataSet = [];
23         $.getJSON(airtable_read_endpoint, function(result) {
24             $.each(result.records, function(key,value) {
25                 items = [];
26                 items.push(value.fields.company);
27                 items.push(value.fields.product_code);
28                 items.push(value.fields.product_no);
29                 items.push(value.fields.geocode2);
30                 items.push(value.fields.json);
31                 items.push(value.fields.gender);
32                 items.push(value.fields.name);
33                 dataSet.push(items);
34                 console.log(items);
35             }); // end .each
36             console.log(dataSet);
37
```

```
38     $('#table1').DataTable( {
39         data: dataSet,
40         retrieve: true,
41         columns: [
42             { title: "Company",
43                 defaultContent:"" },
44             { title: "Product",
45                 defaultContent:"" },
46             { title: "Number",
47                 defaultContent:"" },
48             { title: "Geo Code",
49                 defaultContent:"" },
50             { title: "JSON",
51                 defaultContent:"" },
52             { title: "Gender",
53                 defaultContent:"" },
54             { title: "Name",
55                 defaultContent:"" },
56         ]
57     });
58 }); // end .getJSON
```

# Protecting Your Airtable API Key

- a. Set up a **separate** Airtable account (with different email address) for readonly access.
- b. Create a **shared view** in your original table and make it sharable with **readonly rights**.
- c. Send the link to the other account and then make it accept the invitation.
- d. Use the other account's **API key** for doing all the GetJSON works without letting intruders to gain access to your original account (with all the rights).

# Open Refine Import

Product

Grid view Hide fields

	A company	A product_code	A pro
1	Phillips	radio	5
2	Phillips	radio	43
3	Phillips	computer	3
4	Phillips	computer	34
5	Phillips	computer	12
6	Phillips	radio	23
7	Akzo	tv	43
8	Akzo	tv	12
9	Akzo	computer	5
10	Akzo	radio	34
11	Akzo	tablet	5
12	Akzo	tablet	9
13	Akzo	computer	8
14	Phillips	radio	56
15	Phillips	tv	67
16	Phillips	tv	21
17	Van Houten	computer	45

25 records

**Share Open Refine Import**

Add a message (optional)

Send invite

Import your Google contacts

Invite links ?

Read only invite link for @intchnigence.com

<https://airtable.com/invite/l?inviteld=invlJBx8> created 35 minutes ago Read only

Base collaborators ?

B Suen  
bernard@intchnigence.com joined 15 minutes ago Read only

Workspace collaborators ?

YiuSin Suen  
bsysin@gmail.com joined 2 years ago Owner

Shared base link

Denfzijlstraat 87, Ar... <http://maps.googleapis.com/> I. Sokken

Find a base or workspace

## WORKSPACES

- HKDC 7+1
- Bases shared with me
- HKDC DT Program
- EDB Rsearch
- MEL Programme
- Backup Space
- + Add a workspace

## ▼ LEARNING AND RESOURCES

- ▲ Guide to Airtable
- ▶ Video tutorials
- ?
- Help center
- ⓘ Importing



Business  
Contract  
Management



7+1  
Demonstration



Creative Agency  
Proposal Planning



Imported Base

## ↗ Bases shared with me



Project Tracker



My Chemical  
Romance: The  
Black Parade



Open Refine  
Import

bernard@intechnigence.com

Account

Notification preferences >

Upgrade

Tell a friend

Log out

[INTRODUCTION](#)[RATE LIMITS](#)[AUTHENTICATION](#)[PRODUCT TABLE](#)[ERRORS](#)

## AUTHENTICATION

Airtable uses simple token-based authentication. To generate or manage your API key, visit your [account](#) page. **Your API key carries the same privileges as your user account, so be sure to keep it secret!**

You can authenticate to the API by providing your API key in the HTTP authorization bearer token header. Alternatively, a slightly lower-security approach is to provide your API key with the [api\\_key](#) query parameter.

All API requests must be authenticated and made over HTTPS.

## PRODUCT TABLE

### Fields

Each record in the [Product](#) table contains the following fields:

FIELD NAME	TYPE	DESCRIPTION

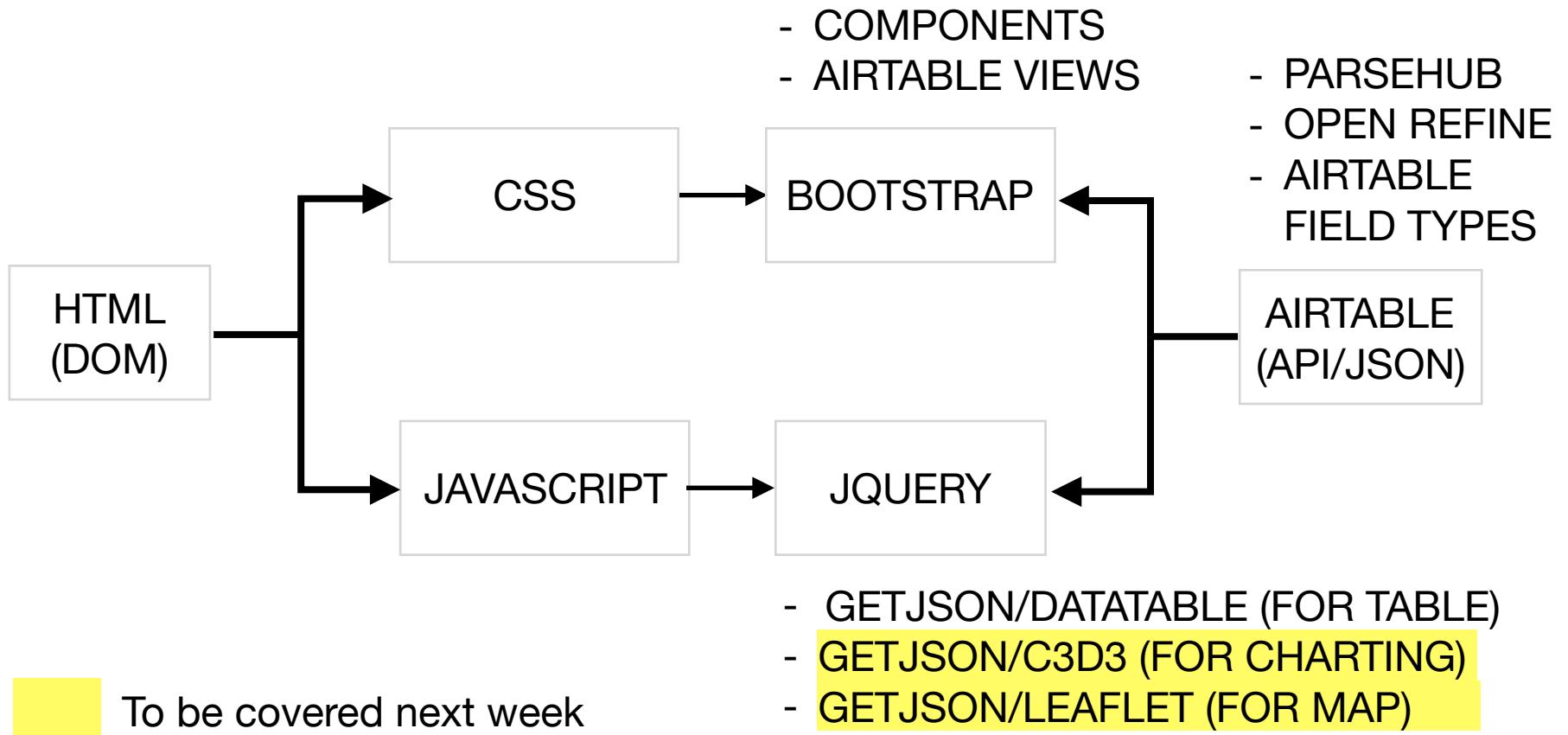
[curl](#)[JavaScript](#) show API key

### EXAMPLE USING BEARER TOKEN (RECOMMENDED)

```
$ curl https://api.airtable.com/v0/appKIU0zkdHt3AVTL/Product \
-H "Authorization: Bearer keycj6dRwXwYLEjiv"
```

### EXAMPLE USING QUERY PARAMETER

```
$ curl https://api.airtable.com/v0/appKIU0zkdHt3AVTL \
/Product?api_key=keycj6dRwXwYLEjiv
```



# **Assignment #6**

- a. Use jQuery GetJSON method to fetch Airtable API data (in JSON format) into a JavaScript array.**
- b. Display the array data in jQuery DataTable shown through a web page.**

## **Events to Watch**

**a. Media and Data Hackathon:**

**November 8 (Friday 6pm) to November 10 (Sunday 5pm) sponsored by CUHK Library to be held at Learning Garden.**

**b. Greater Bay Area Young Entrepreneurship**

**Bootcamp November 22 (Friday 7:30am) to November 24 (Sunday 6pm) sponsored by HK Cyberport to be held at Shenzhen University.**

## CUHK Data and Media Hack 2019

*"A three day program to empower the next generation story tellers with data."*

Date: November 8 - 10  
Venue: CUHK Learning Garden

\*\* Eligibility: Student currently enrolled in any HK higher education institution

# 數碼港 大灣區青年創業計劃

## 把握粵港澳大灣區機遇 領創新世代

提供全面的創業支援，讓粵港澳三地青年及創業家抓緊大灣區發展機遇，攜手合作實踐具潛力的數碼科技及商業項目，成就創業夢。

透過計劃，你可以：

-  免費參加創業營
-  廣結人脈，與粵港澳大灣區市場接軌，開拓龐大商機
-  加速項目落戶，享受大灣區創業支援
-  享受 1 對 1 創業諮詢服務，提升項目質素
-  尋找投資者及創業夥伴
-  獲得每項目港幣 10 萬種子基金\*

\*項目須得到數碼港創意微型基金(CCMF)錄取

### 協辦機構



廣東 澳門 香港

數碼港  
大灣區青年創業計劃

把握粵港澳大灣區機遇  
領創新世代

總值  
港幣 100 萬  
創業基金

截止日期  
2019.11.01

創業營精彩內容包括：



與150+粵港澳青年一同激發創意

親身體驗創業過程，從零開始至完成產品開發

參觀騰訊深圳總部及企業交流

與粵港澳初創人對話，分享創業經驗

**The End**