

Angular.js 101





Sal00t !

Eu: Alex (Nixi) Niculae

MEAN Stack Developer, Android Developer,
Wordpress Developer

fb.com/nixi.alexandru [@alexniculae94](https://twitter.com/alexniculae94)

1

Ce trebuie sa stiti ?

HTML & CSS

Javascript

2

De ce Angular ?



Pentru ca:

- Organizarea codului – MVC
- SPA
- jQuery
- Usor de testat (Karma, Jasmine etc.)



MVC

Model

Logica efectiva a aplicatiei (comunicarea cu o baza de date, autentificarea, comunicarea cu un API etc.)

View

Este interfata cu utilizatorul. Aici se afiseaza datele si se preiau input-ul sau evenimentele.

Controller

Preia datele si eventimentele din View, apeleaza metodele din Model si apoi afiseaza in View raspunsul.

2

Ce este Angular ?

“HTML Imbunatatit”

angularjs.org

“

“HTML Imbunatatit”

angularjs.org

= HTML + Javascript logic

How do we tell our HTML when to trigger our JavaScript?



```
<!DOCTYPE html>
<html>
  <body>
    . . .
  </body>
</html>
```

index.html



```
function Store(){
  alert('Welcome, Gregg!');
}
```

app.js

SHAPING UP
WITH
ANGULAR.JS

Directive

Directive

= attribute HTML care fac legatura intre codul
Angular (Javascript) si DOM

```
<!DOCTYPE html>
<html>
  <body ng-controller="StoreController">
    ...
  </body>
</html>
```

index.html

```
function StoreController(){
  alert('Welcome, Gregg!');
}
```

Name of

function to call

app.js



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ANGULAR.JS

3

Module



Module

- Incapsuleaza bucati de cod, care apoi pot fi reutilizate, ca librari
- Defineste librariile utilizate



Module

- Incapsuleaza bucati de cod, care apoi pot fi reutilizate, ca librari
- Defineste librariile utilizate

=> structura modulara a aplicatiilor

=> usor de reutilizat

=> usor de testat


```
var m = angular.module("app", ["ui-router", "ngDialog", etc.]);
```



4

Expresii



Expresii 1

<p>

$$5 + 3 = \{ \{ 5 + 3 \} \}$$

</p>



Expresii 2

<p>

{{ “Hello “ + “world” }}

</p>



Expresii 3

HTML

```
<p ng-controller="Ctrl">  
    {{ foo }}  
</p>
```

Angular

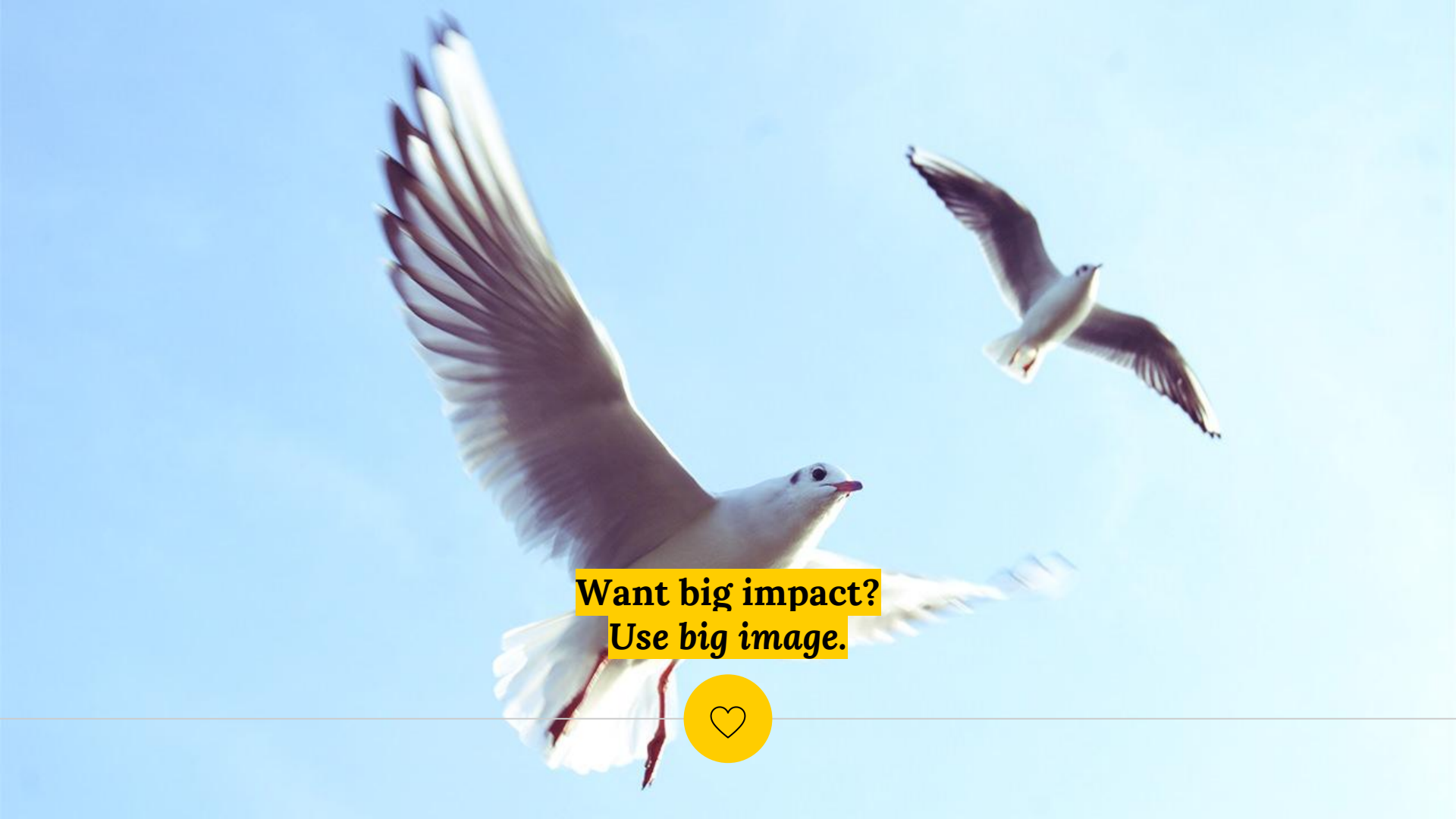
```
function Ctrl ( $scope ) {  
    $scope.foo = "bar";  
}
```

\$scope



A picture is worth **a thousand words**

A complex idea can be conveyed with just a single still image, namely making it possible to absorb large amounts of data quickly.

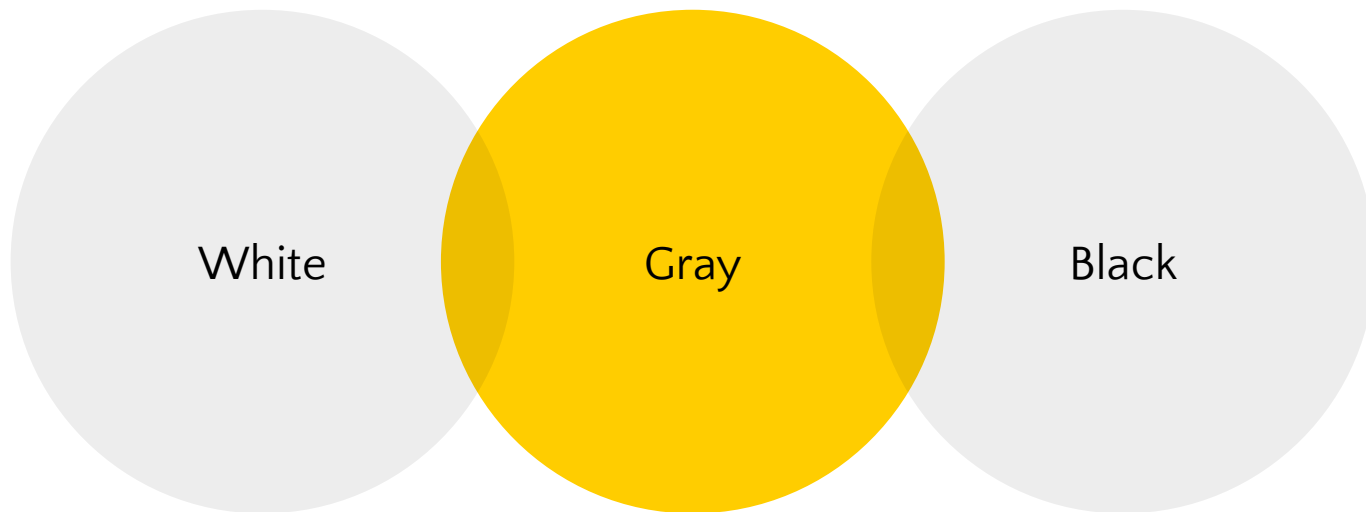
A low-angle shot of two white doves in flight against a clear, bright blue sky. The dove in the foreground is larger, with its wings fully extended, showing the intricate structure of the feathers. Its head is turned slightly to the right. The second dove is smaller and positioned further back and higher up in the frame, also in flight. The overall composition is clean and uplifting.

**Want big impact?
Use big image.**





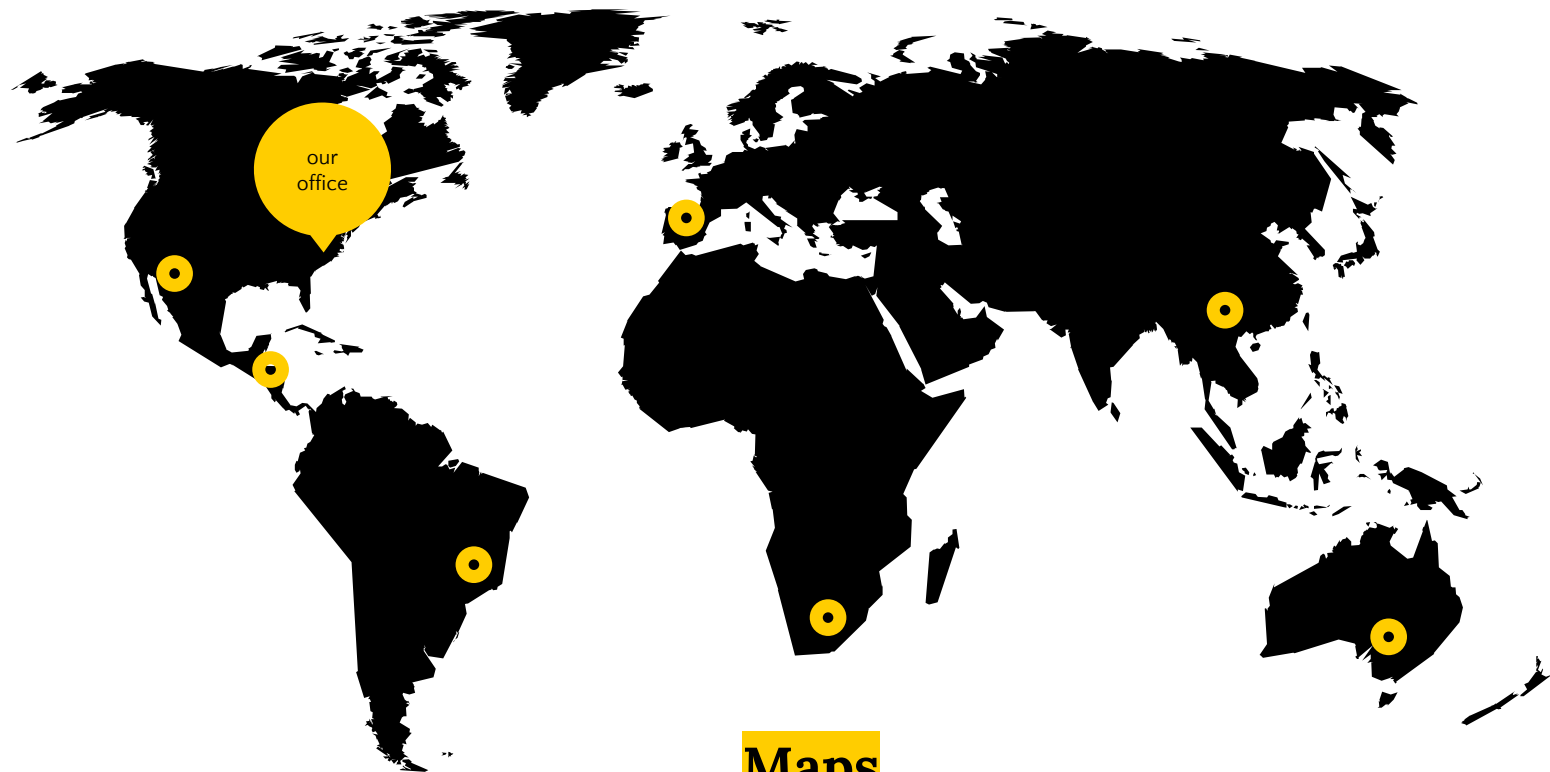
Use charts to explain your ideas





And tables to compare data

	A	B	C
Yellow	10	20	7
Blue	30	15	10
Orange	5	24	16



Maps



89,526,124

Whoa! That's a big number, aren't you proud?



89,526,124\$

That's a lot of money

185,244 users

And a lot of users

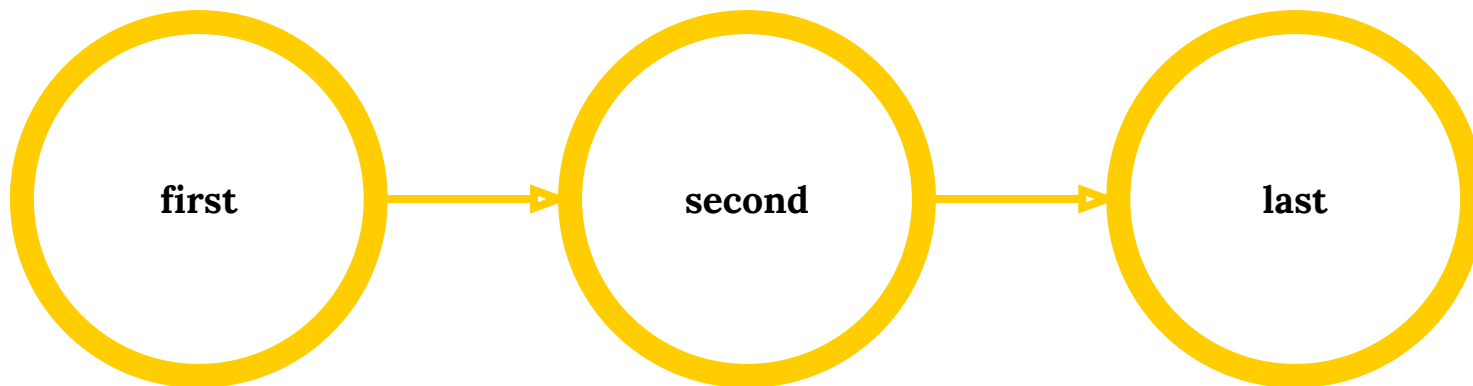
100%

Total success!





Our process is easy





Let's review some concepts

Yellow

Is the color of gold, butter and ripe lemons. In the spectrum of visible light, yellow is found between green and orange.

Blue

Is the colour of the clear sky and the deep sea. It is located between violet and green on the optical spectrum.

Red

Is the color of blood, and because of this it has historically been associated with sacrifice, danger and courage.

Yellow

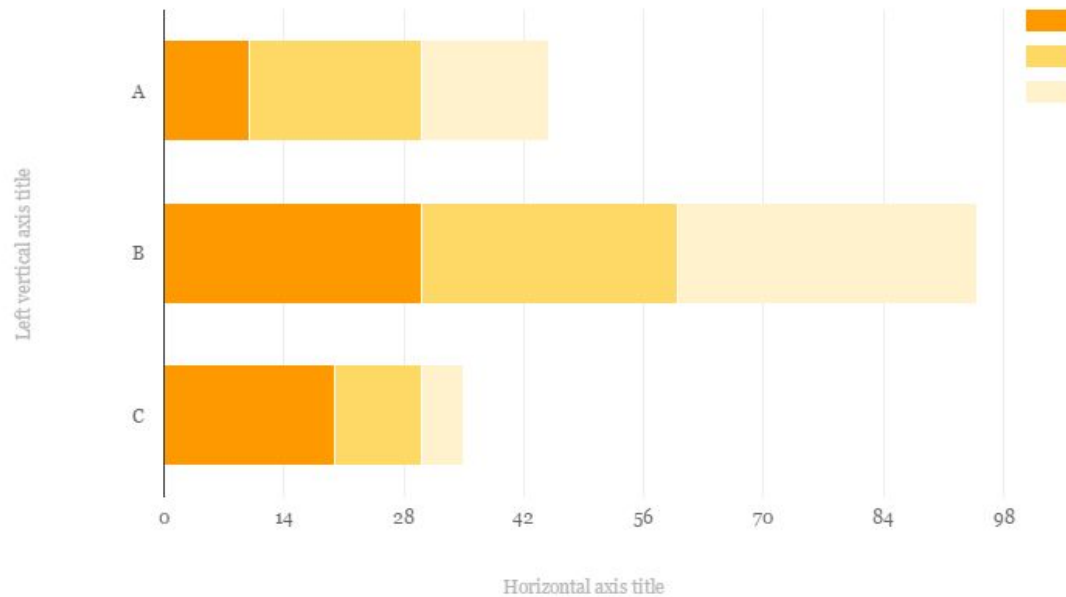
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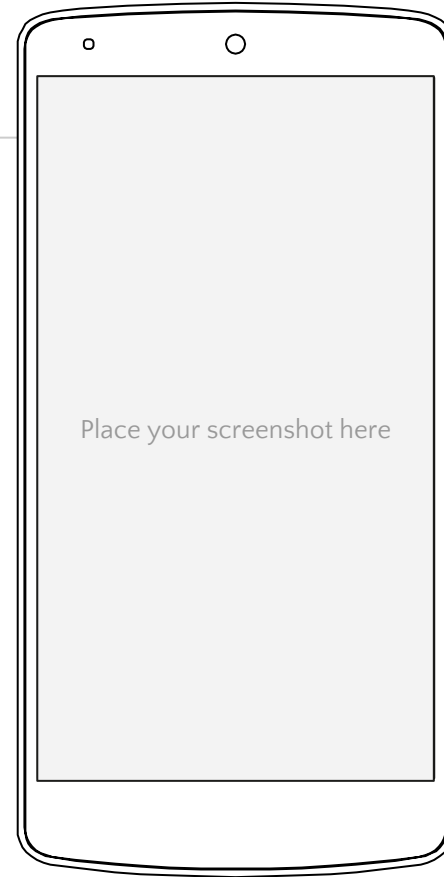
You can copy&paste graphs from Google Sheets





Android project

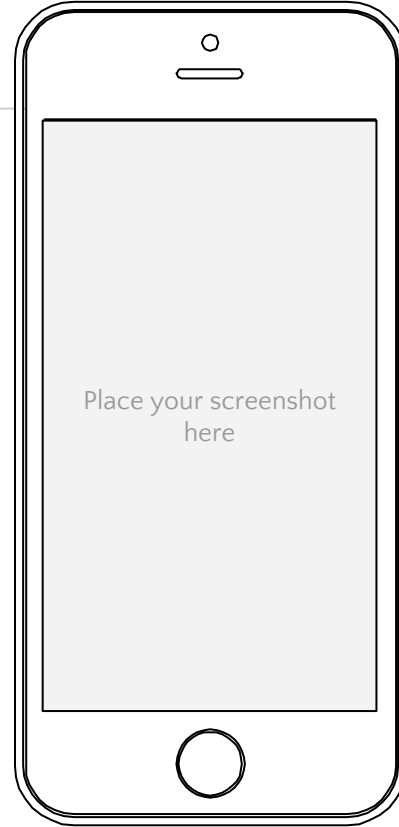
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iPhone project

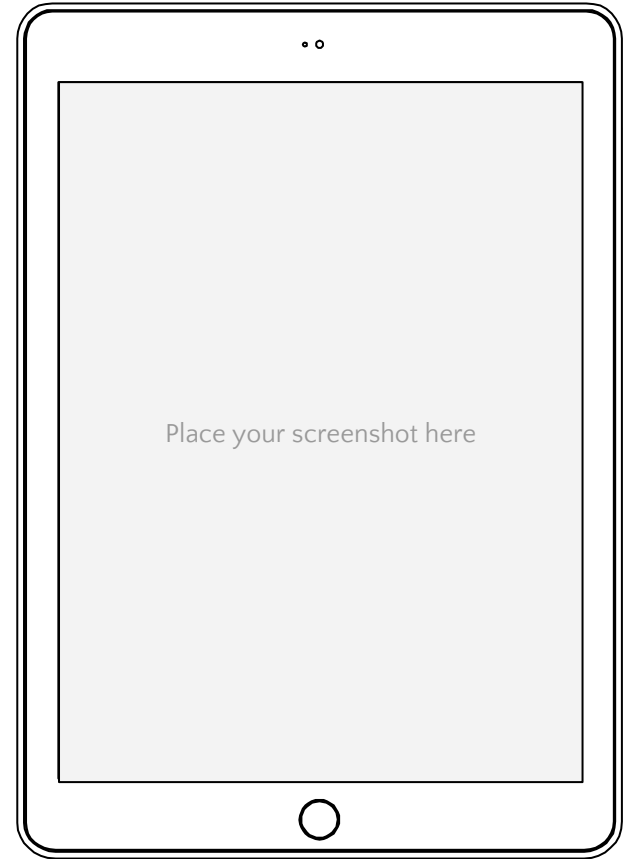
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Tablet project

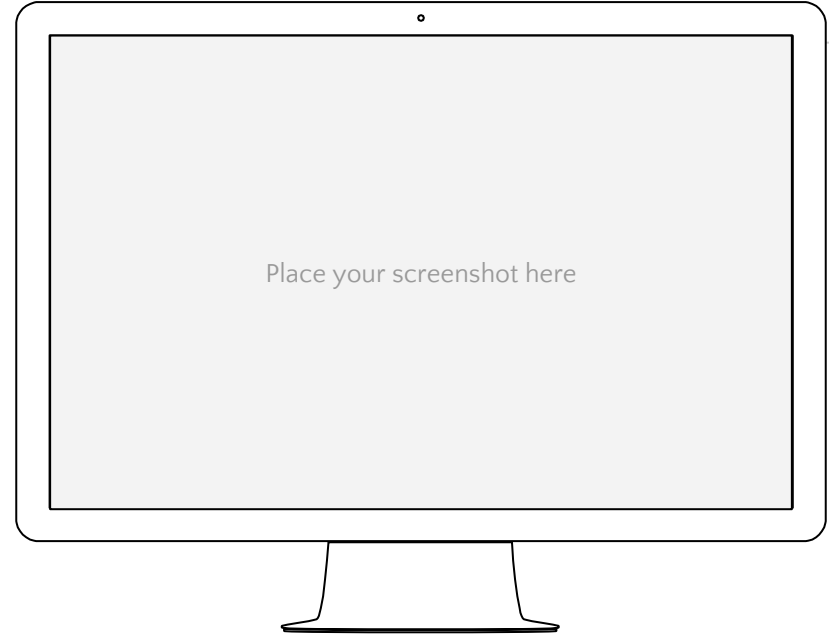
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Desktop project

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Thanks!

Any **questions** ?

You can find me at

- @username
- user@mail.me



Credits

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- Presentation template by SlidesCarnival
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This presentation uses the following typographies and colors:

- Titles: **Lora**
- Body copy: **Quattrocento Sans**

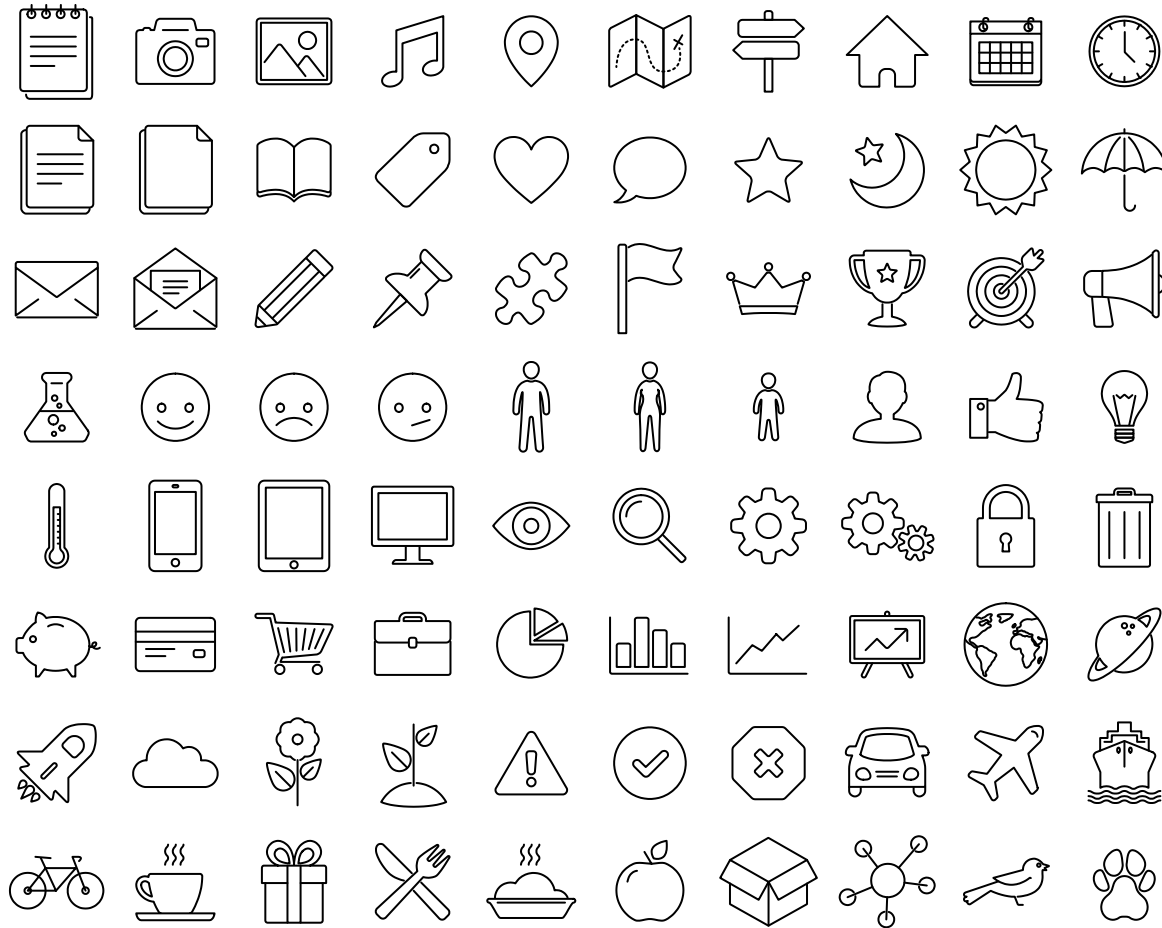
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Click on the “arrow button” that appears on the top right



Yellow **#ffcd00** | Black **#000000** | Grey **#cccccc**



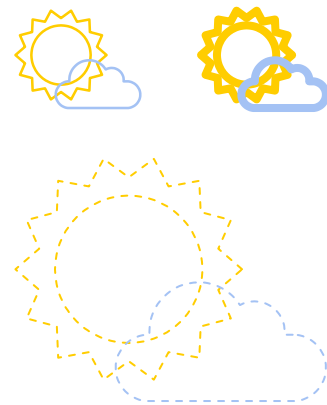
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Examples:





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