Globant
we are ready

UI Engineering Studio. Day 4

Bootcamp:

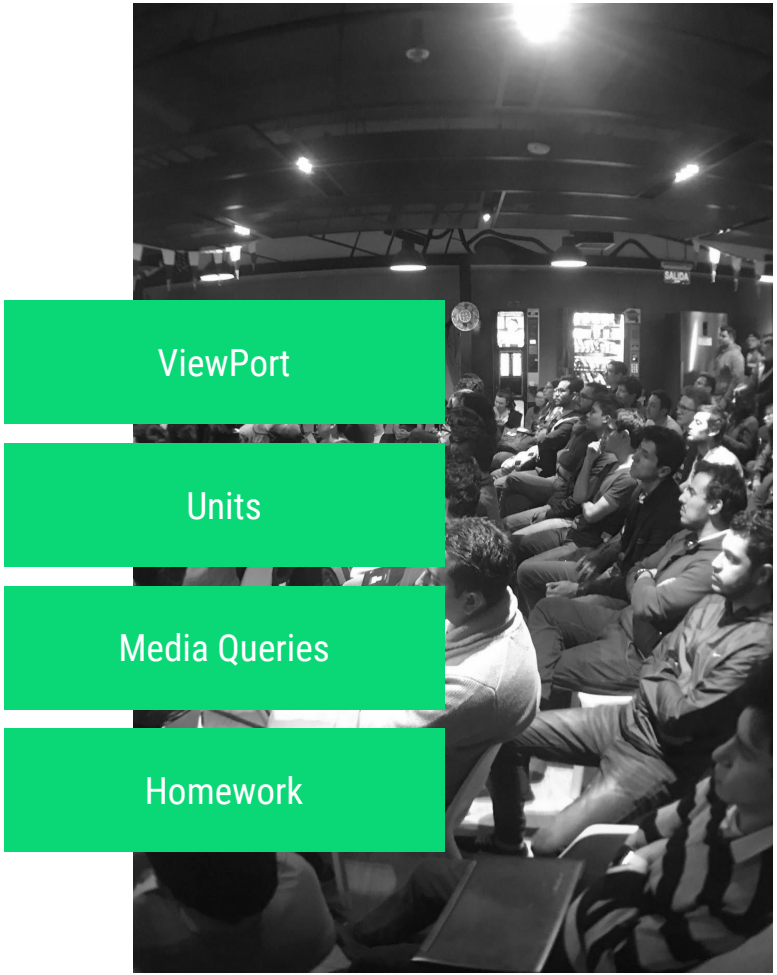
Responsive Design

Globant

Responsive Design

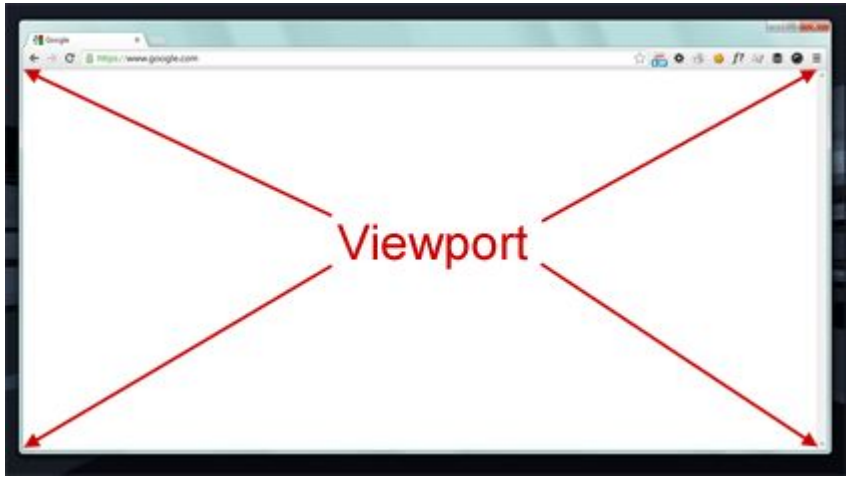
Responsive design is the practice of designing a website so it looks and works properly on a range of different devices — particularly mobile phones and tablets as well as desktops and laptops.

- Mozilla Web Docs



UI Boot Camp: Responsive Design

Viewport



- Width
- Height
- Initial-scale
- Minimum-scale
- Maximum-scale
- User-scalable

Ex:

```
<meta name="viewport" content="user-scalable=no, width=device-width, initial-scale=1">
```

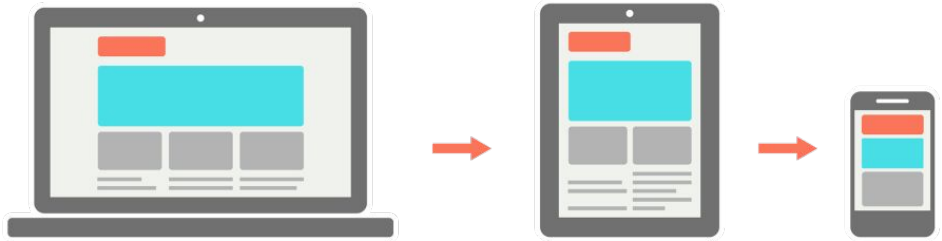
UI Boot Camp: Responsive Design

Portrait vs Landscape

Source: MDN web docs

UI Boot Camp: Responsive Design

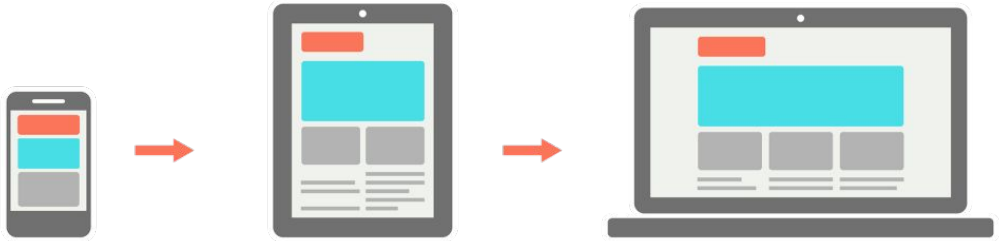
Desktop First ->



Responsive Web Design

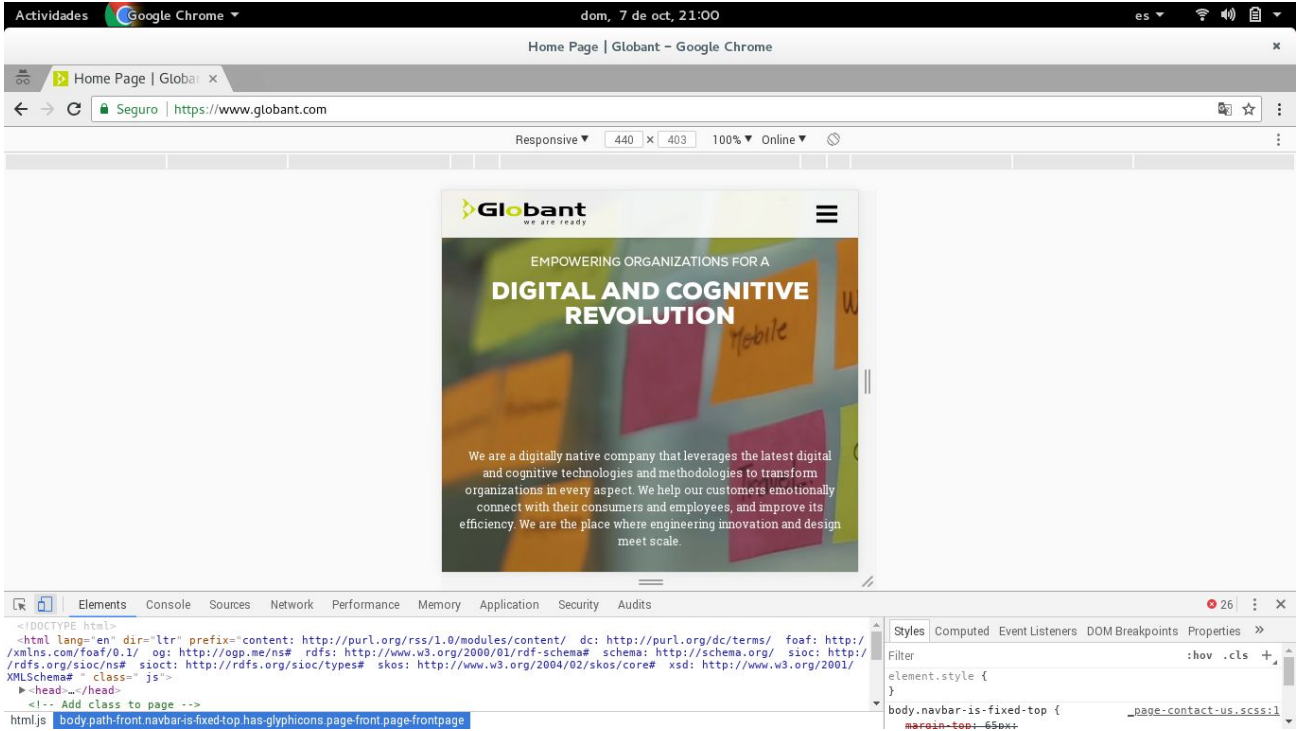
Mobile First Web Design

Mobile First ->



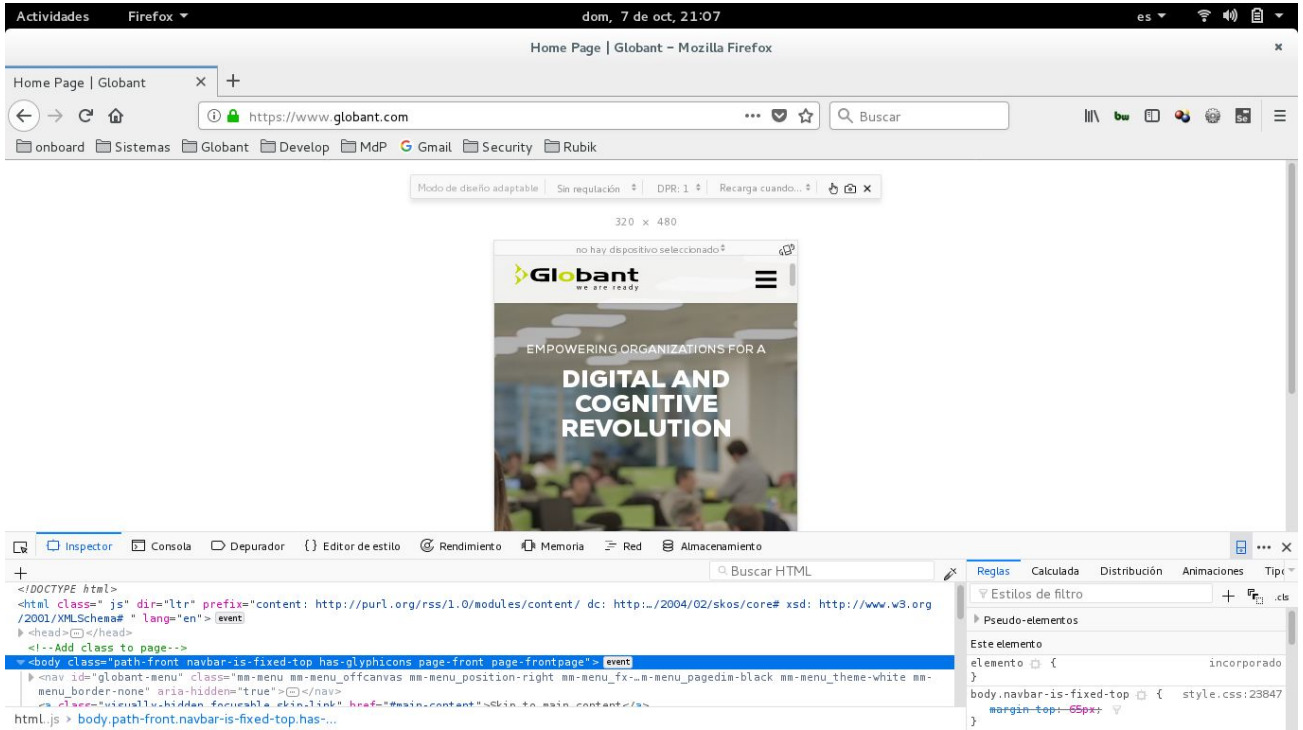
UI Boot Camp: Responsive Design

DevTools



UI Boot Camp: Responsive Design

DevTools



UI Boot Camp: Responsive Design

Patterns

- Tiny Tweaks
- Mostly Fluid
- Column Drop
- Layout Shifter
- Off Canvas

UI Boot Camp: Responsive Design

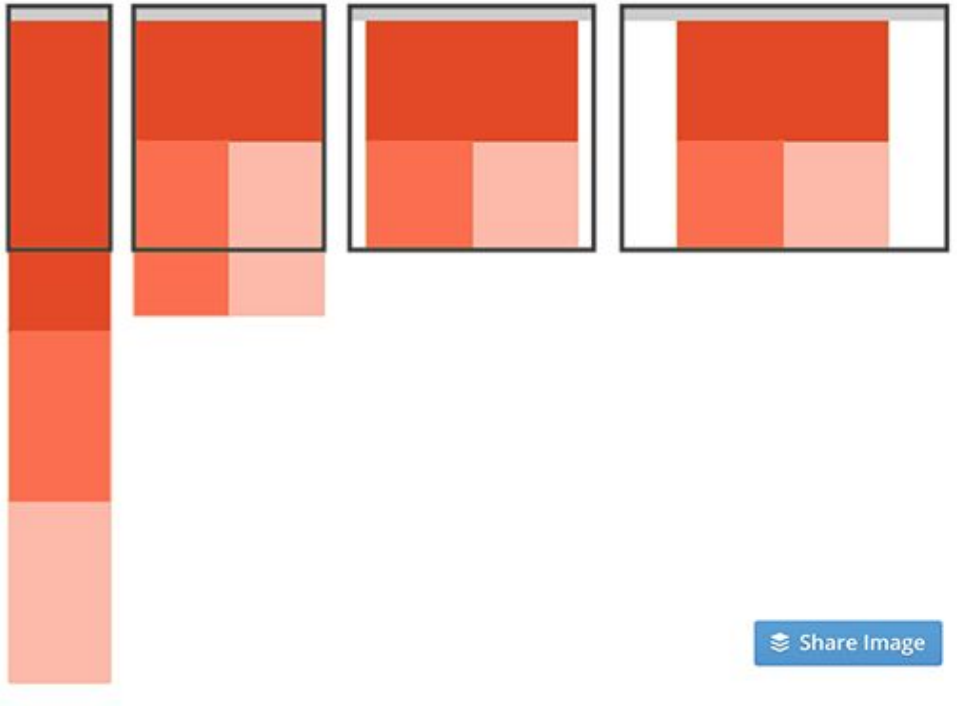
Patterns

Tiny Tweaks

UI Boot Camp: Responsive Design

Patterns

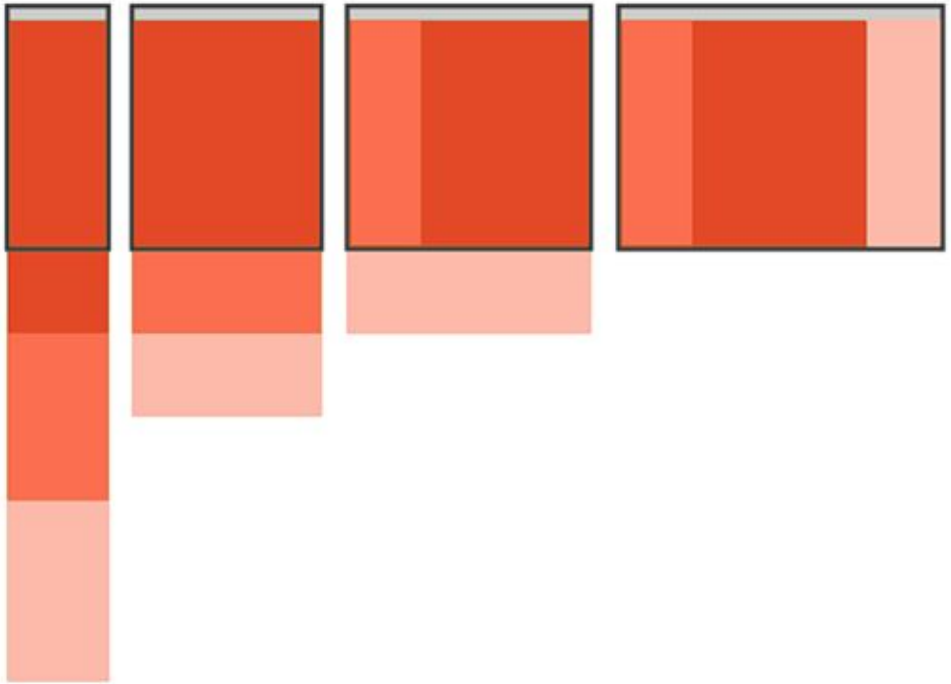
Mostly Fluid



UI Boot Camp: Responsive Design

Patterns

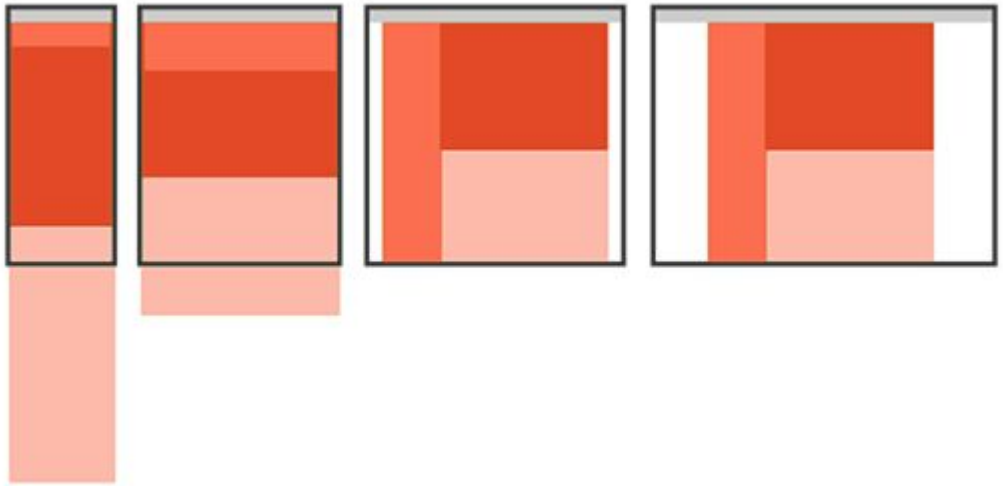
Column Drop



UI Boot Camp: Responsive Design

Patterns

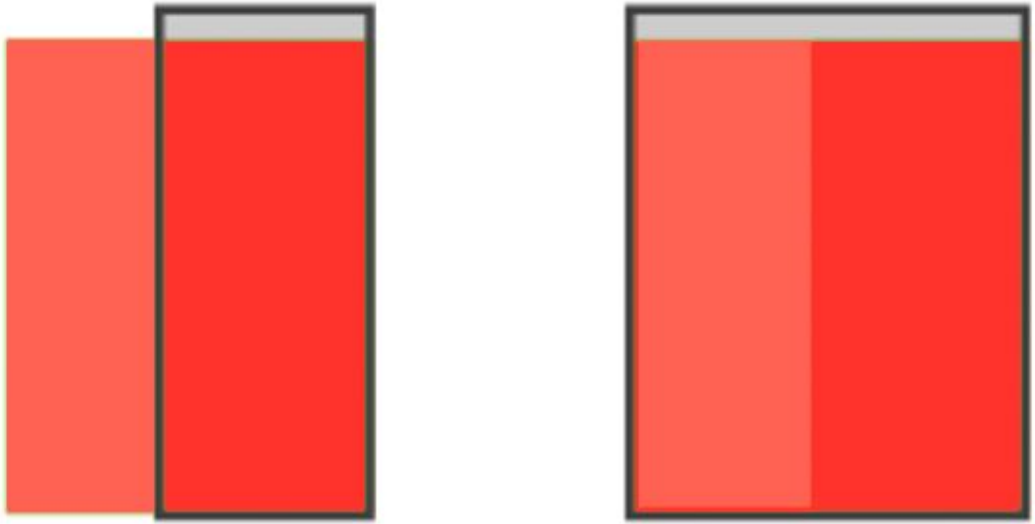
Layout Shifter



UI Boot Camp: Responsive Design

Patterns

Off Canvas



UI Boot Camp: Responsive Design

Css Units

Unit	Description
em	Relative to the font-size of the element (2em means 2 times the size of the current font)
rem	Relative to font-size of the root element
vw	Relative to 1% of the width of the viewport
vh	Relative to 1% of the height of the viewport
vmin	Relative to 1% of viewport's smaller dimension
vmax	Relative to 1% of viewport's larger dimension
%	Relative to the parent element

If the viewport is 50cm wide, 1vw = 0.5cm.

UI Boot Camp: Responsive Design

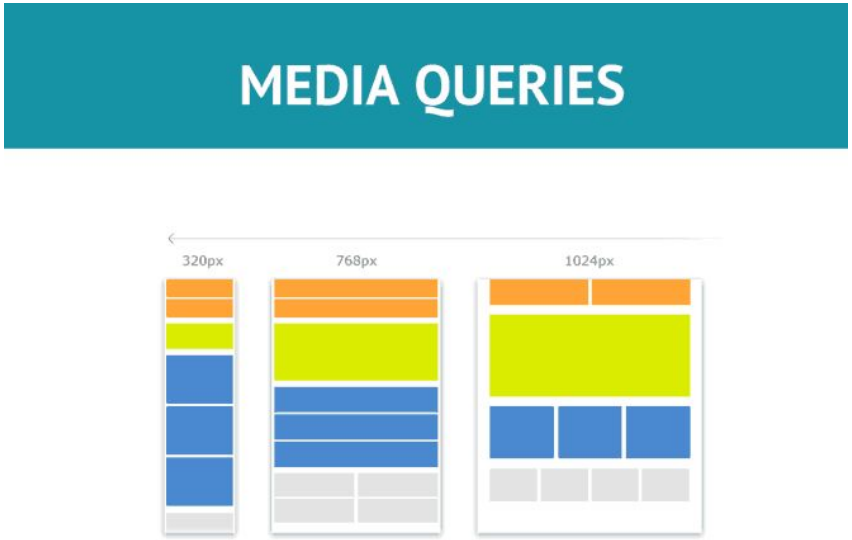
Media Queries

Media queries are useful when you want to modify your site or app depending on a device's general type (such as print vs. screen) or specific characteristics and parameters (such as screen resolution or browser viewport width).

```
/** Desktop Layout Sizes */
    @media only screen and (min-width:1025px) {}

/** Tablet (Landscape) */
    @media only screen and (min-width:769px) and (max-width:1024px) {}

/** Tablet (Portrait) */
    @media only screen and (min-width:581px) and (max-width:768px) {}

/** Phone (Landscape) */
    @media only screen and (min-width:321px) and (max-width:580px) {}

/** Typical Phone (Portrait) */
    @media only screen and (max-width:320px) {}
```

UI Boot Camp: Responsive Design

Media Queries



Mobile First

```
@media screen type and (max-width: 320px) { }
@media screen type and (max-width: 480px) { }
@media screen type and (max-width: 768px) { }
@media screen type and (max-width: 1024px) { }
```

Desktop First

```
@media screen type and (min-width: 1024px) { }
@media screen type and (min-width: 768px) { }
@media screen type and (min-width: 480px) { }
@media screen type and (min-width: 320px) { }
```

UI Boot Camp: Responsive

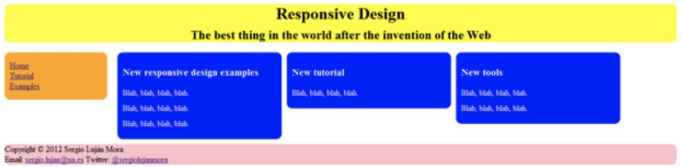
Homework:

http://flexboxfroggy.com

UI Boot Camp: Responsive

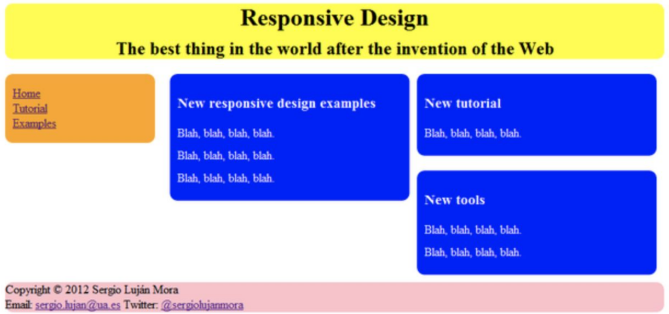
Homework:

1366 pixels:



[source]

936 pixels:



Globant
we are ready