

Adapting to Large Screens

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Large Screens

- Greater screen real-estate
- Need to optimize the use of the extra space
- Responsive design
- Ionic support:
 - Split pane
 - Ionic grid

Ionic Split Pane

- Supports multi-view layout on large screens
- Automatic adaptation/uncovering as screen sizes change
 - Sidemenu for example becomes part of the view
- `<ion-split-pane>`
 - Declare one element with main attribute

Screen Breakpoints

- Divided into five classes:
 - xs: min-width = 0px
 - sm: min-width: 576px
 - md: min-width: 768px
 - lg: min-width: 992px
 - xl: min-width: 1200px
- `<ion-split-pane when="lg">`

Ionic Grid

- Designed to be:
 - Responsive
 - Mobile first
 - Fluid
- Inspired by Bootstrap Grid

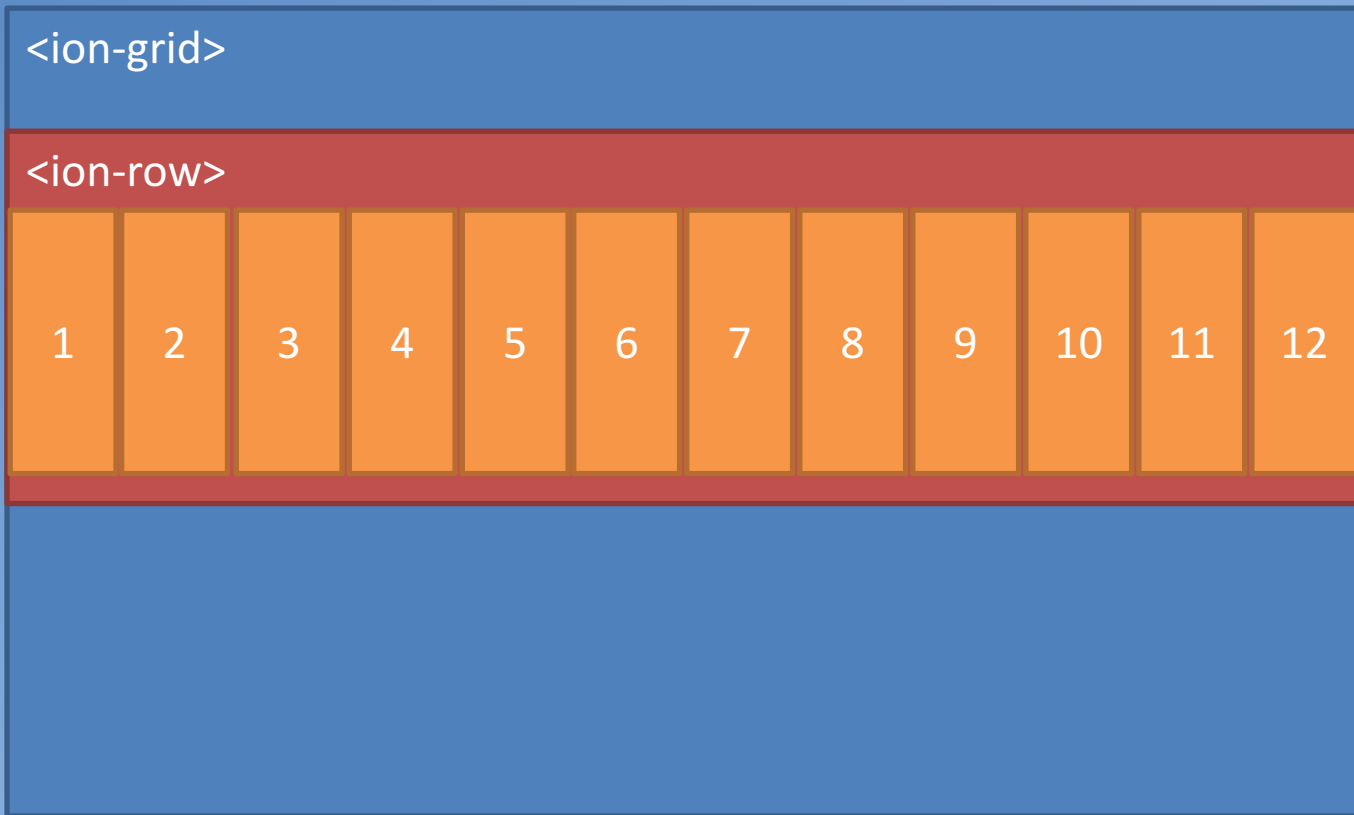
CSS Flexbox Layout

- Simpler and flexible layout options in CSS
- Can easily handle dynamic/unknown size of content containers
- Direction-agnostic layout

Why Flexbox for Ionic?

- Easy vertical alignment of content within a parent element
- Easy reordering of content across devices and screen resolutions with the help of media queries
- Easy CSS-only equal height columns for your grid-based layouts

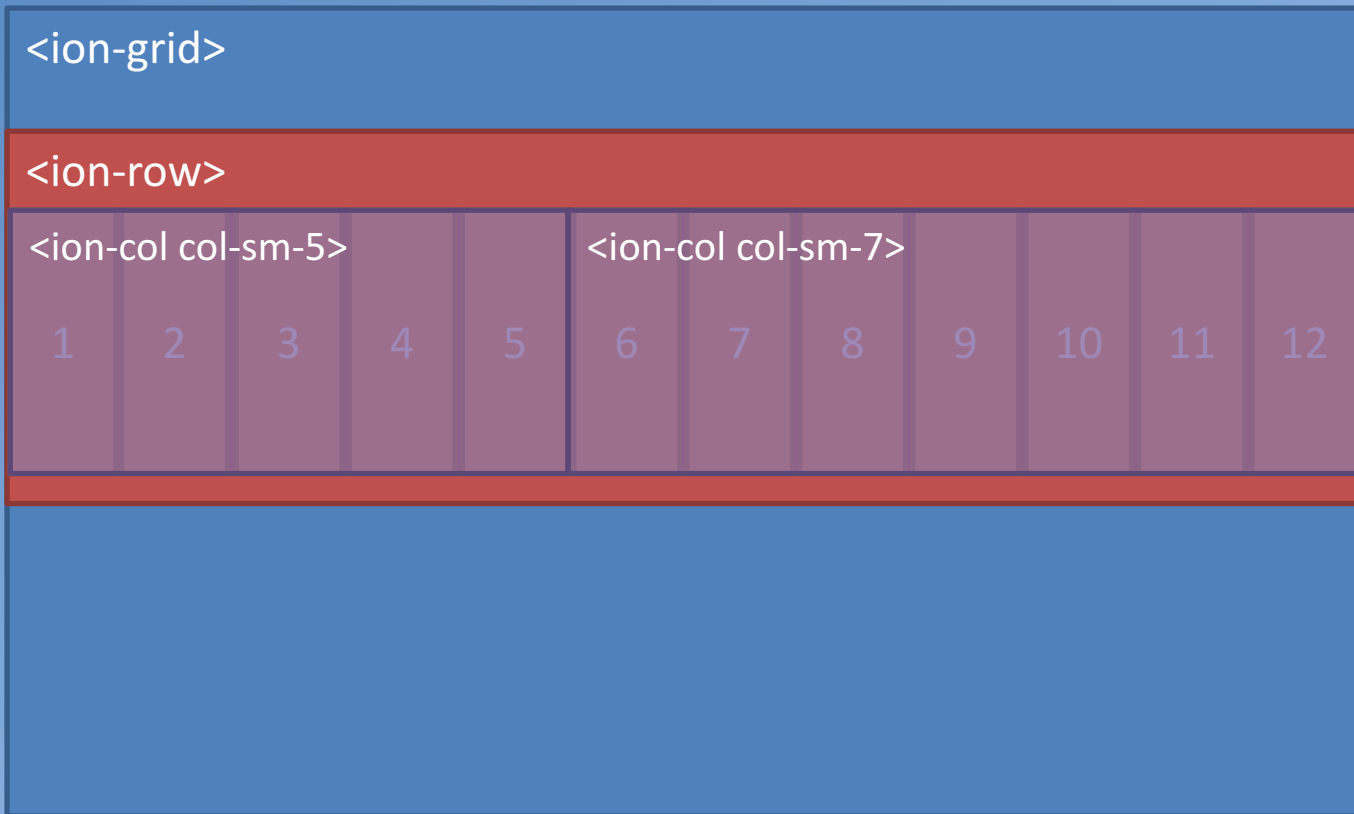
Ionic Grid



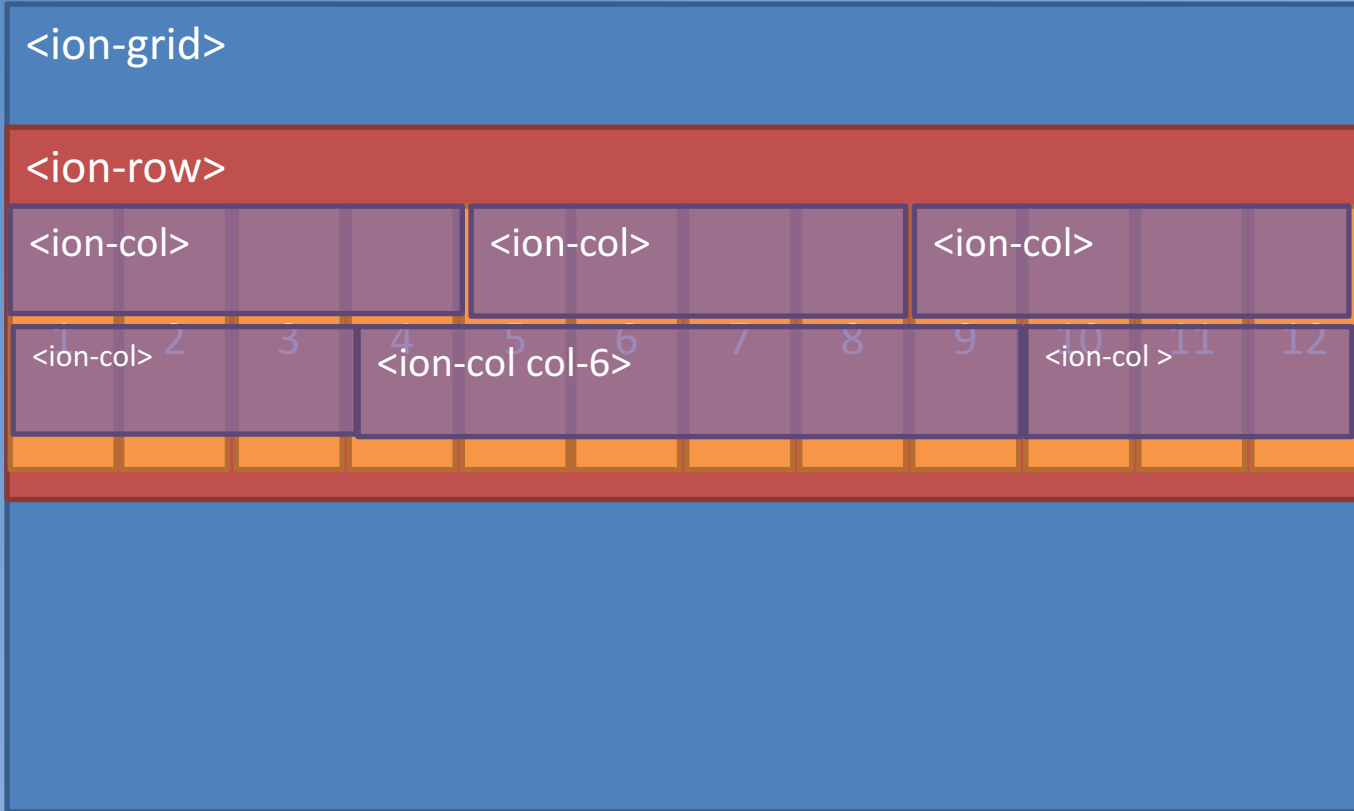
Ionic Grid

- Each row in Ionic grid system is divided into 12 columns
- Content enclosed within <ion-col> element
- Use the attributes col-*, col-sm-*, col-md-*, and col-lg-* for defining the layouts for the various screen sizes
- Specify how many columns each piece of content will occupy within a row, all adding up to 12 or a multiple thereof

Ionic Grid



Auto-layout Columns



Vertical Alignment

<ion-grid>

<ion-row align-items-center>

<ion-col col-5>

<ion-col col-7>

1

2

3

4

5

6

7

8

9

10

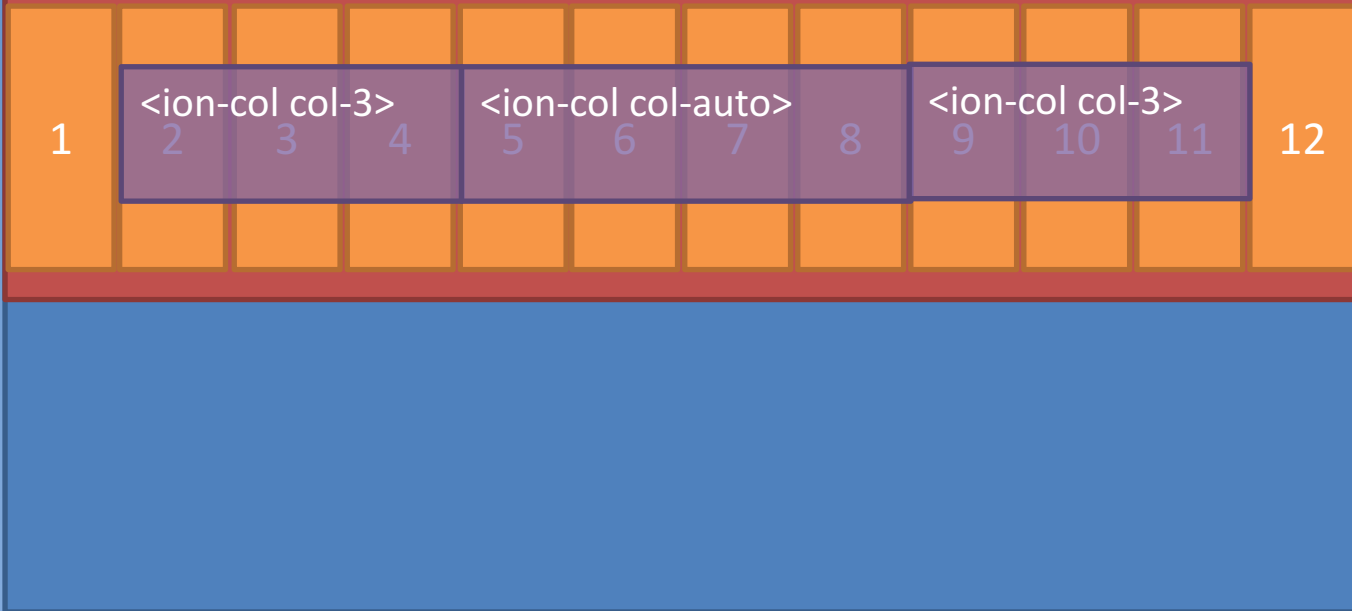
11

12

Horizontal Alignment

<ion-grid>

<ion-row justify-content-center>



Column Offsets

<ion-grid>												
<ion-row>												
1	<ion-col col-4 offset-1>					<ion-col col-7>						
	2	3	4	5	6	7	8	9	10	11	12	