Bootstrap

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Agenda

1. Introduction
2. Components
3. Grid System

1. Introduction

- Bootstrap?

1. Introduction

- **<u>Bootstrap</u>** is a free front-end framework (HTML and CSS) for faster and easier web development

- Bootstrap is famous for being developed with components that have the ability to follow the properties of responsive designs

2. Components

- Bootstrap provides a huge collecton of pre-defined components for websites

- Go to **https://getbootstrap.com/docs/4.0/components/forms**
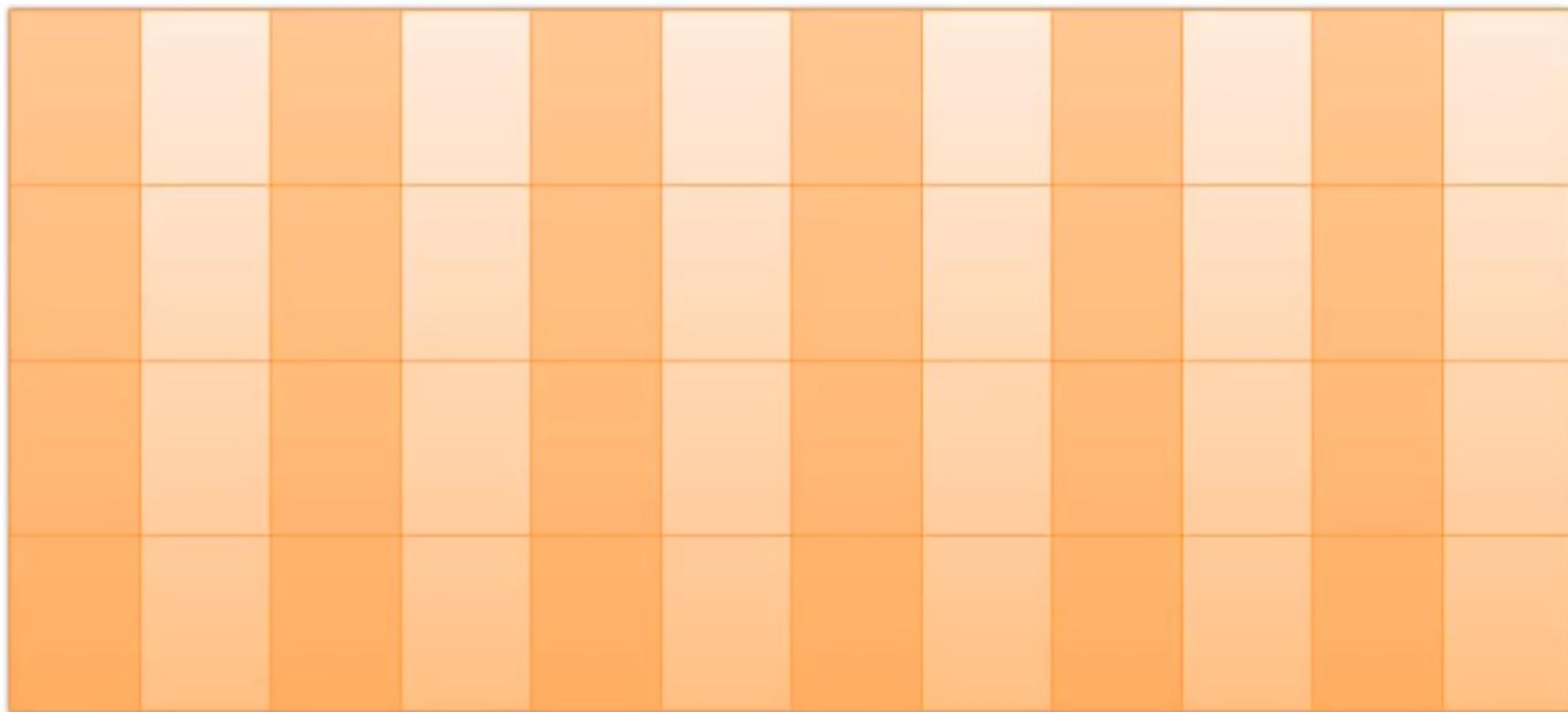
2. Components

Tasks: (separate each task with a horizontal line)

1. Create a folder bootstrap_2 with an index.html.
2. Include Bootstrap 4 libraries by CDN or download them locally.
3. Create a container.
4. Create a login with username and password inputs, two buttons „Login" and „Forgot Password".
5. Create a signup with firstname, lastname, address, email, email-repeat and one button „Register Now".
6. Create a Pizza Order form with five Pizza types (Margherita, Regina, Capriciosa, Calzone, Diavolo) and four sizes (small, medium, large, extra-large)
7. Download three pictures of a nice beach. (beach1-3.jpg). Create a slide show of them using the carousel component.
8. Create a drop-down menu „Order by" and give it three options: Revenue, Costs and
9. Create a Navbar with three navigation items Home, Users, Settings and Logout. Also add a search box on the right side of it.

3. Grid System

	Extra small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra large ≥1200px
Max container width	None (auto)	540px	720px	960px	1140px
Class prefix	.col-	.col-sm-	.col-md-	.col-lg-	.col-xl-
# of columns	12				
Gutter width	30px (15px on each side of a column)				
Nestable	Yes				
Column ordering	Yes				

3. Grid System

3. Grid System

.col-xx-6

3. Grid System

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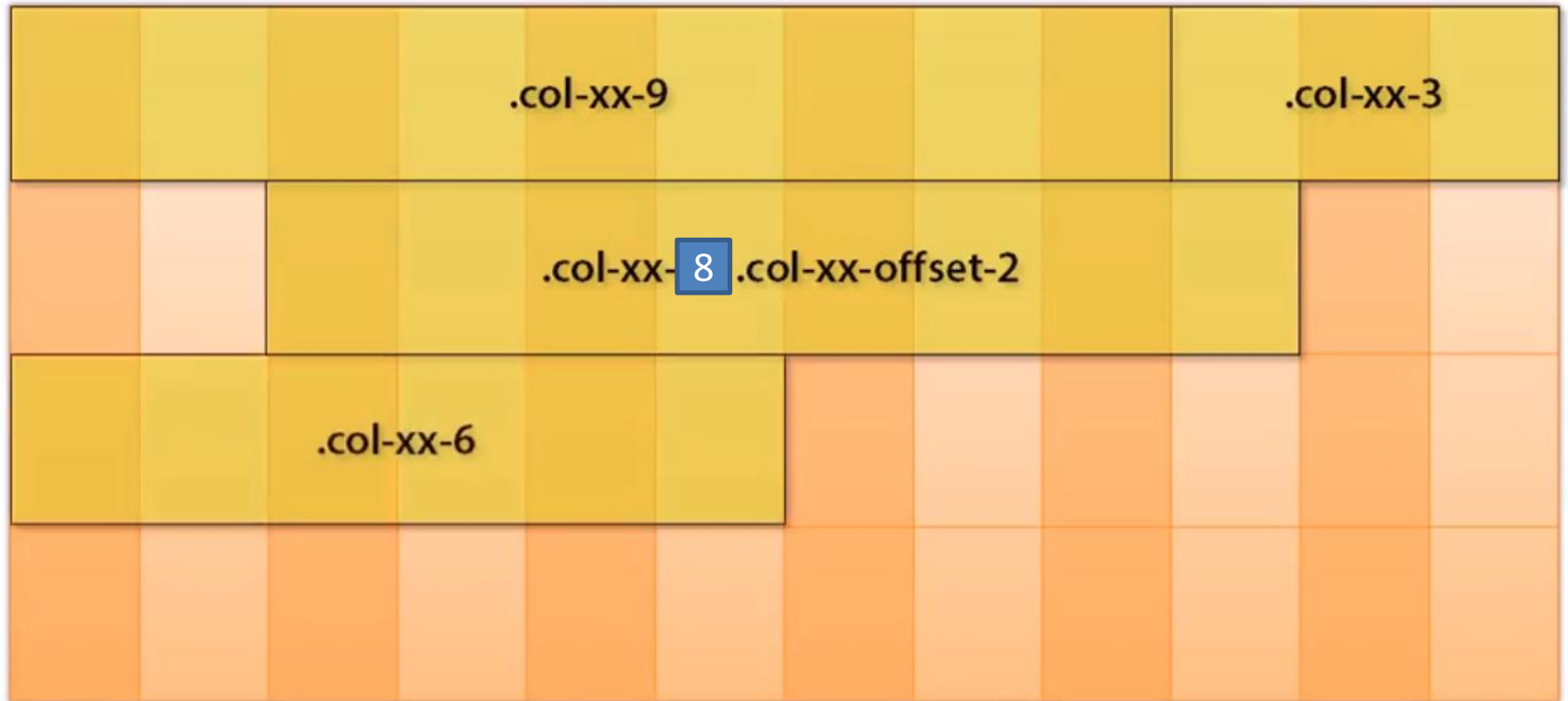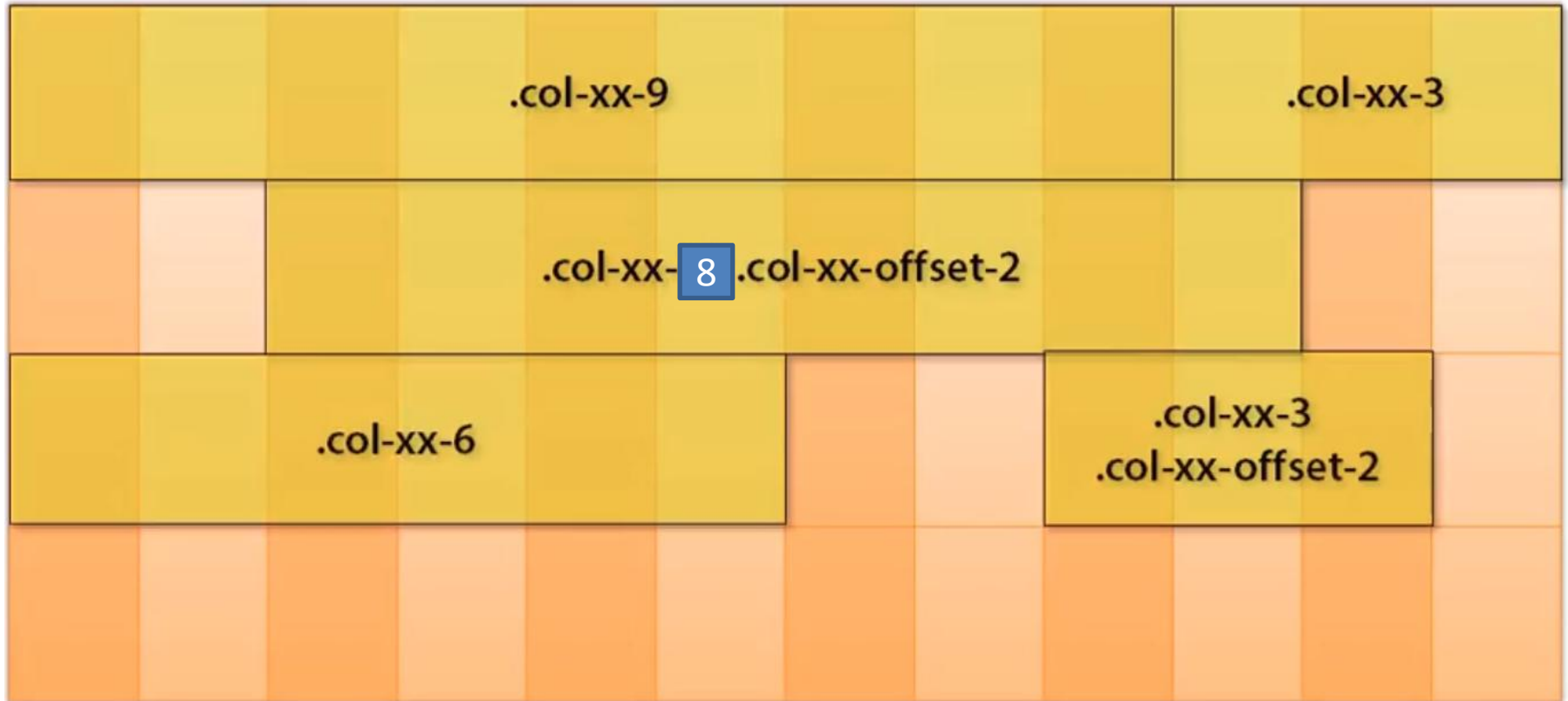# 3. Grid System

3. Grid System

3. Grid System

3. Grid System

.col-xx-9

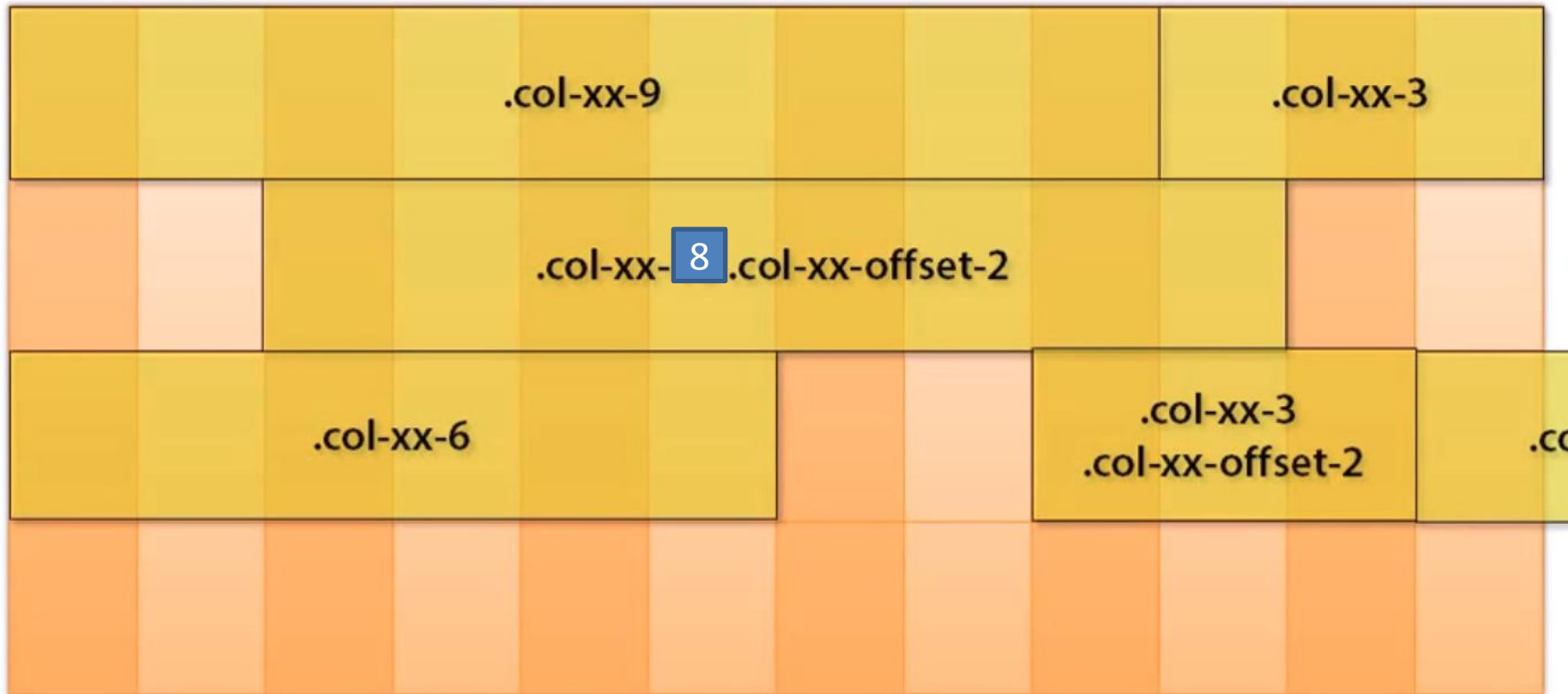# 3. Grid System

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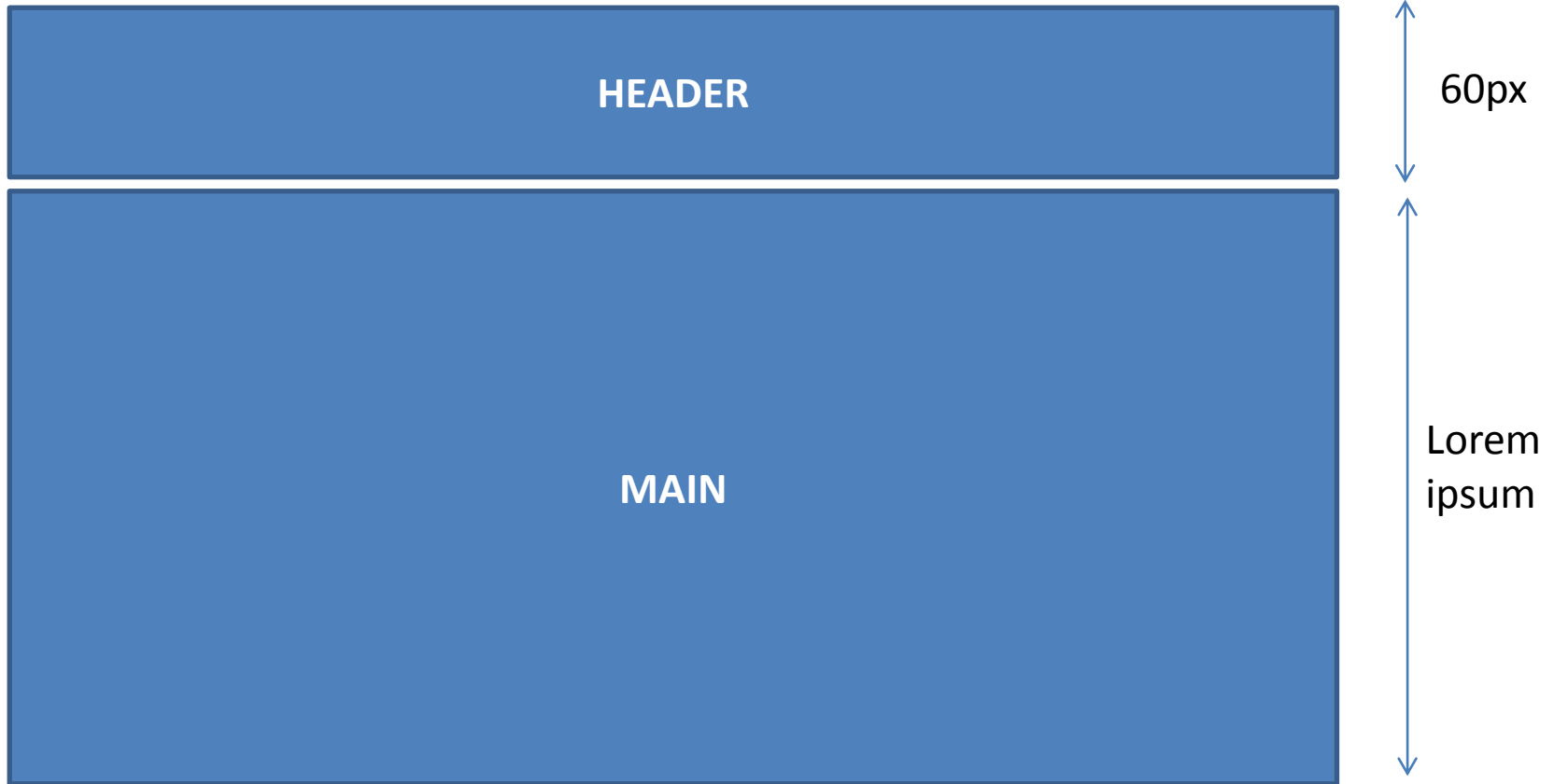
3. Grid System

- XS < SM < MD < LG < XL
 - XS scales up to XL
  - XL does not scale down to XS

3. Grid System

1. Rows must be placed within a .container (fixed-width) or .container-fluid (full-width) for proper alignment and padding
2. Use rows to create horizontal groups of columns
3. Content should be placed within columns, and only columns may be immediate children of rows
4. Predefined classes like .row and .col-sm-4 are available for quickly making grid layouts
5. Grid columns are created by specifying the number of 12 available columns you wish to span. For example, three equal columns would use three .col-sm-4
6. Column widths are in percentage, so they are always fluid and sized relative to their parent element
7. The biggest **difference between Bootstrap 3 and Bootstrap 4** is that Bootstrap 4 now uses flexbox, instead of floats. One big advantage with flexbox is that grid columns without a specified width will automatically layout as "equal width columns" (and equal height). Example: Three elements with .col-sm will each automatically be 33.33% wide from the small breakpoint and up. **Tip:** If you want to learn more about Flexbox, you can read our CSS Flexbox Tutorial
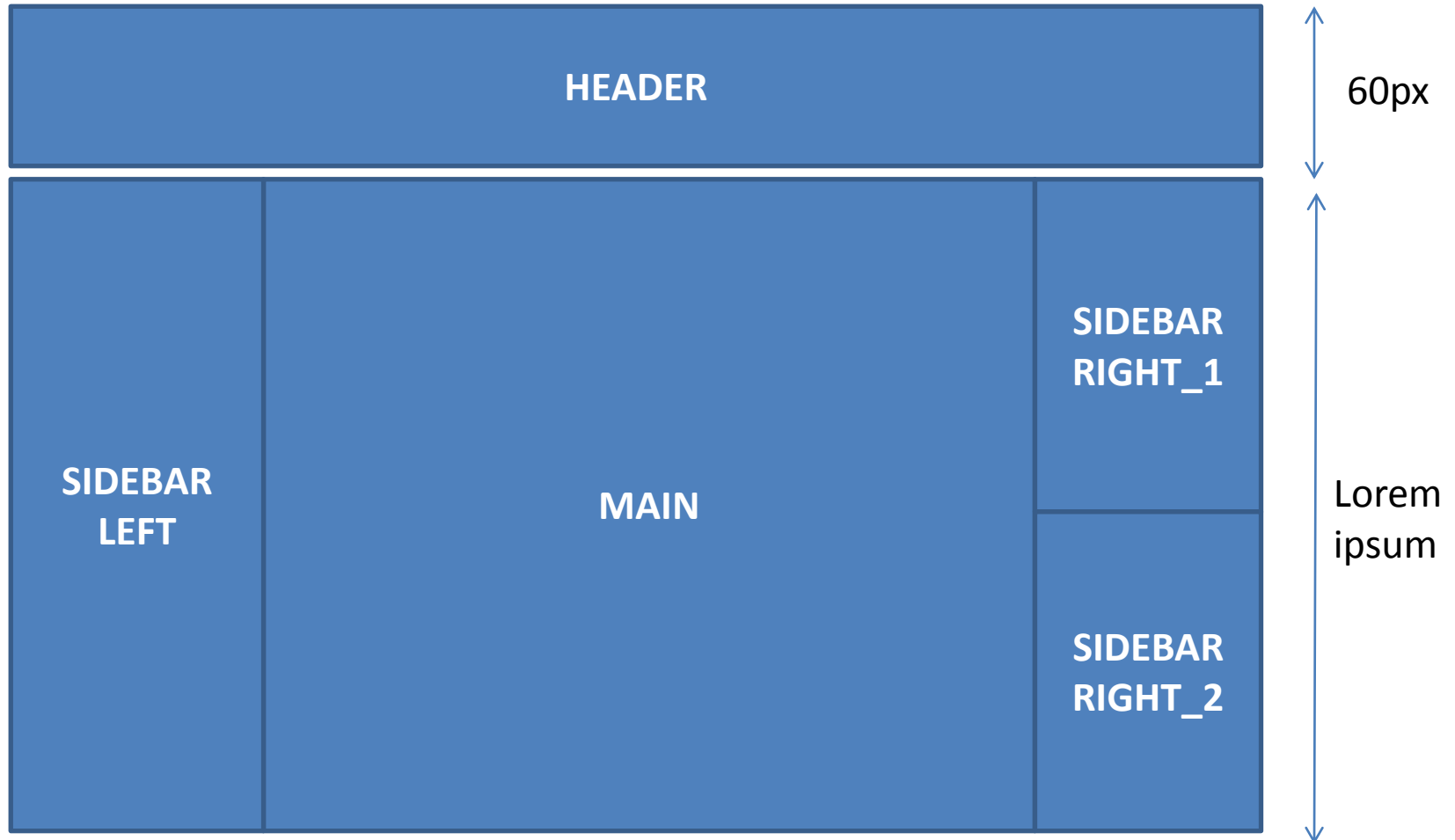
3. Grid System

HEADER

60px

MAIN

Lorem ipsum

3. Grid System

HEADER

60px

MAIN

SIDEBAR RIGHT

Lorem ipsum
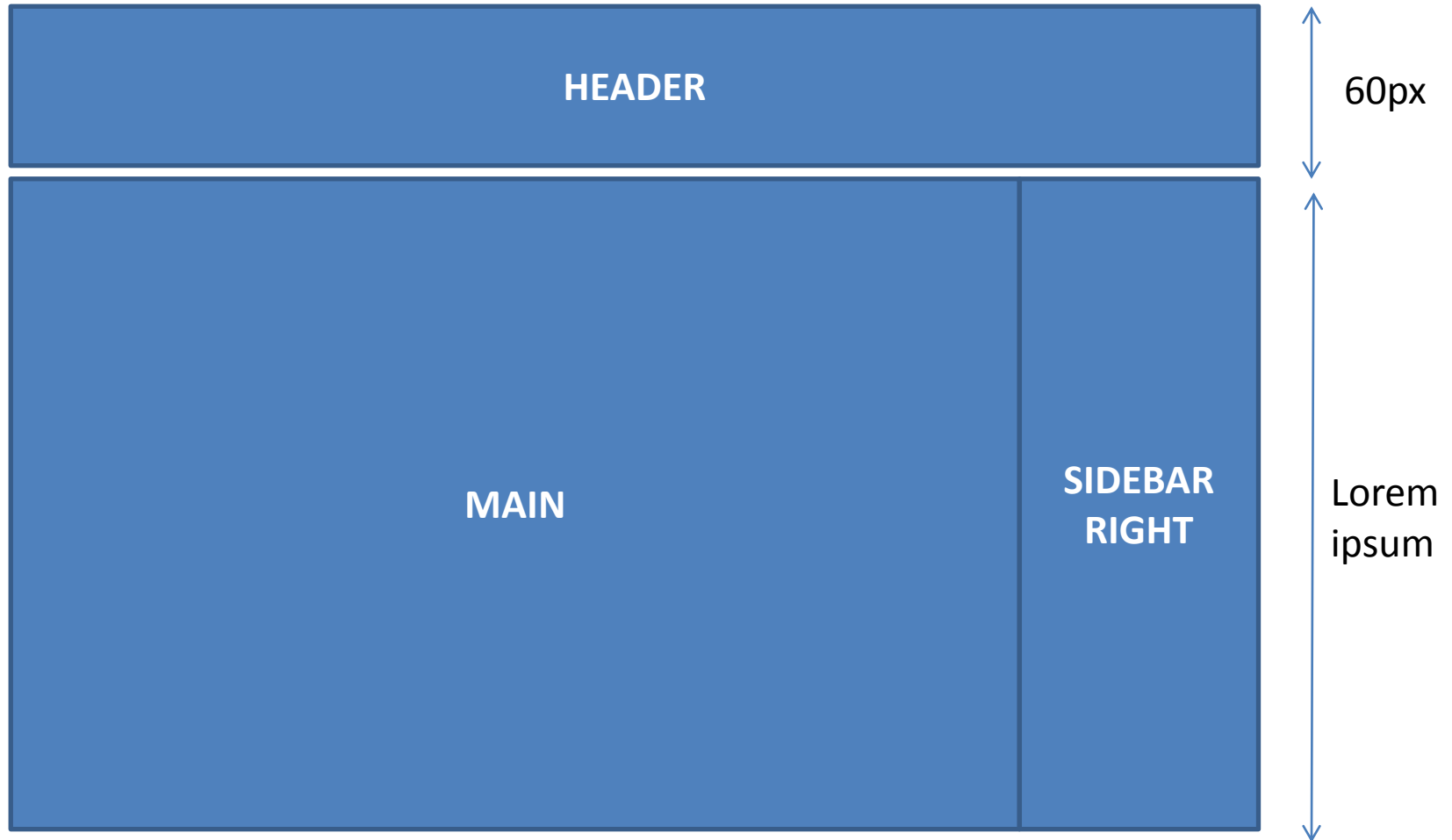
3. Grid System

Task: Create a bootstrap page about yourself

Your Name

60px

Home | About | Contact | Searchbox

CAROUSEL PICTURES OF SOMETHING YOU LIKE

CARD_1

CARD_2

CARD_3

Task: Create a bootstrap page about yourself

Task: Create a bootstrap page about yourself