

# Table of Contents

<b>1. Getting Started with Bootstrap Basics.....</b>	<b>1</b>
Introduction to Bootstrap 4.....	1
What Is Bootstrap?.....	1
What Is a Framework?.....	1
What Is Responsive Design?.....	1
What Is Mobile-first Design?.....	1
Major Changes in Bootstrap 4.....	2
<i>Exercise 1: Creating a Basic HTML Template with Bootstrap.....</i>	3
<i>Exercise 2: How to Download Bootstrap.....</i>	5
Applying Styles and Functions with Class.....	7
<b>2. Bootstrap Layout.....</b>	<b>13</b>
What Is the Viewport?.....	13
Understanding Breakpoints.....	14
Bootstrap's Breakpoints.....	15
Introducing Bootstrap's Grid System.....	15
Using Responsive Classes.....	16
Containers.....	16
Rows and Columns.....	17
<i>Exercise 3: Making Grids.....</i>	22
<b>3. Creating Responsive Navigation.....</b>	<b>31</b>
Using the nav Component.....	31
nav Modifiers.....	33
HTML data- Attributes.....	33
The role Attribute.....	33
<i>Exercise 4: Working with nav Modifier Classes.....</i>	35
Using the navbar Component.....	39
<i>Exercise 5: Create a Responsive Navigation Header.....</i>	42
<b>4. Bootstrap Typography.....</b>	<b>47</b>
How Bootstrap Updates Browser Defaults.....	47
Introducing Reboot.....	47
Bootstrap Default Styles.....	49
Understanding rem and em.....	50
em.....	52
rem.....	54
Headings and Paragraphs.....	56
<i>Exercise 6: Styling Blocks with rem.....</i>	60
Styling Text Inside Blocks.....	64
Inline Elements.....	64
Text Utilities.....	64

---

## Table of Contents

<b>5. Tables.....</b>	<b>69</b>
Responsive Tables.....	69
Breakpoint-specific Responsive Tables.....	72
Overall Table Styles.....	73
<i>Exercise 7: Styling Tables.....</i>	74
Table Headers.....	77
The scope Attribute.....	77
Contextual Classes.....	79
<b>6. Bootstrap Forms.....</b>	<b>81</b>
Browser Input Inconsistencies.....	81
Form Controls.....	81
Input Types.....	83
Form Layout.....	84
Form Groups.....	84
Grid Layout.....	85
Horizontal Forms.....	87
Sizing.....	89
<i>Exercise 8: Styling a Form.....</i>	91
<b>7. Images.....</b>	<b>99</b>
Making Images Responsive.....	99
Responsive CSS.....	99
Using the Picture Element.....	100
Aligning Images.....	102
Float Classes.....	102
Centering Images.....	104
Figures.....	107
<i>Exercise 9: Create a Page with Images.....</i>	109
<b>8. Bootstrap Components.....</b>	<b>111</b>
Styling Buttons.....	111
Outline Buttons.....	113
Button Sizes.....	115
Carousel.....	116
<i>Exercise 10: Make a Carousel.....</i>	117
Jumbotron.....	122
Alerts.....	123
Collapse.....	125
Modal.....	127
Pagination.....	129
Card.....	131
Tooltip.....	133
Popover.....	136

<b>9. Bootstrap Utilities.....</b>	<b>139</b>
Borders.....	139
Border Colors.....	139
Border Width.....	139
Rounded Corners.....	139
Position.....	141
Shadows.....	143
Spacing Utilities.....	144
Misc. Helpful Utilities.....	146
Clearfix.....	146
Close Icon.....	147
Embed.....	148
Screenreaders.....	149
Visibility.....	149
<i>Exercise 11: Build a Single-page Website, Part 1</i> .....	150
<b>10. Bootstrap Flex.....</b>	<b>161</b>
What is Flexbox?.....	161
Create a Flexbox Container.....	161
Inline Flexbox.....	162
Responsive Flexboxes.....	164
The Two Axes.....	164
Flex Directions.....	166
Justify Content.....	166
Alignment.....	169
Order.....	171
<i>Exercise 12: Build a Single-page Website, Part 2</i> .....	173