

## POST-CLASS LEARNING AND PRACTICE 3.2: ARRANGE USER INTERFACE (UI) CONTENT BY USING CSS

### Lesson Objective 3.2:

Arrange user interface (UI) content by using CSS.

### Additional learning resources:

**MSDN®:**

**Flexible box ("Flexbox") Layout:** [http://msdn.microsoft.com/en-us/library/5d673531\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/5d673531(v=vs.85).aspx)

**CSS:** [http://msdn.microsoft.com/en-us/library/5d673536\(v=vs.85\)](http://msdn.microsoft.com/en-us/library/5d673536(v=vs.85))

### Other resources (books, e-reference):

**Hands On: Windows® 8 HTML5 Platform:** [http://ie.microsoft.com/testdrive/Graphics/hands-on-css3/hands-on\\_flex.htm](http://ie.microsoft.com/testdrive/Graphics/hands-on-css3/hands-on_flex.htm)

**HTML Rocks:** <http://www.html5rocks.com/en/tutorials/flexbox/quick/>

**W3Schools:** <http://www.w3schools.com/cssref/default.asp#flexbox>

### Resources, software, and additional files needed for this lesson:

1. None

### Student activity:

#### Directions to the student:

Read the following scenario and answer the questions. Verify your answers with the instructor.

#### Scenario:

Tamer Salah owns a web design company. He recently spent time learning about the new HTML5 tags and is using them on a project for an artist who specializes in wood, bronze, and stone sculptures.

He is extremely happy with the direction of HTML5 because it has reduced the complexity of using HTML tags such as the doctype. Now that he has basic knowledge of HTML5, he is ready to take on the challenge of learning more about CSS3, starting with the new Flexible Box Model.

#### Content:

1. What box properties are available for arranging content on the page?
2. How can Tamer use the new properties for handling extra space?
3. What properties can he use to set the direction of the content in the Flexible Box Model?
4. Create a sample HTML page with corresponding CSS that uses the following box properties: box-align: after, box-pack: justify, and box-orient: horizontal. Sketch your idea on paper first, and then use the CSS properties listed to create the page and view it in a browser.

## KEY 3.2: ARRANGE USER INTERFACE (UI) CONTENT BY USING CSS

### Content:

1. What box properties are available for arranging content on the page?

**Answers will vary. Tamer can use the box-align (after, before, middle, and stretch) properties and the box-orient (horizontal and vertical alignment).**

2. How can Tamer use the new properties for handling extra space?

**Answers will vary. There are several properties for determining the location of extra space, including box-pack (end, justify, start, and center).**

3. What properties are used to set the direction of the content in the Flexible Box Model?

**Answers will vary. The box-direction property allows developers to set the direction to normal or reverse.**

4. Create a sample HTML page with corresponding CSS that uses the following box properties: box-align: after, box-pack: justify, and box-orient: horizontal. Sketch your idea on paper first, and then use the CSS code listed to create your page and view it in a browser.

**Answers will vary.**