

Practice the skills you learned in the tutorial using the same case scenario.

## PRACTICE

### Review Assignments

**Data Files needed for the Review Assignments:** `basiclogo.png`, `basicstick.png`, `basicstyles.css`, `modernizr-1.5.js`, `stick.txt`

Dave has found a host for his Web page and has published the document you helped him create on the Internet. Now he wants to start adding more pages to his Web site. He's come to you for help in creating a page describing his basic stick. He's already written the text for the Web page; he needs you to mark up that text with HTML code. Figure 1-48 shows a preview of the page you'll create for Dave.

Figure 1-48

### The Basic Stick product page



**the J-Prop Shop**

*Specials This Month*

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#### The Basic Stick

The Basic Stick is the perfect stick for beginners. The stick rotates slowly to provide extra time for performing stick tricks, but is flashy enough to impress your friends. Enjoy the following:

- Patented Dura-Coat®** finish ensures sticks can withstand all weather conditions. More durable than other sticks, these props will keep looking like new for as long as you own them.
- Enhanced stick flexibility** provides more bounce, allowing for better tricks. A soft rubber core adds a whole new element to the sticking experience that you have to feel to believe!
- Full customization** will give you the chance to own a pair of sticks unlike any others out there. I make exactly what you want, with your colors and your designs.
- A personal touch** through both my customization options and hand-crafted designs.



Our Basic Stick

#### Specifications

- Main Stick
  - Weight: 7 oz.
  - Length: 24 inches
  - Tape: Dura-Coat® finish with laser-style color choices
- Handle Sticks (one pair)
  - Weight: 2 oz.
  - Length: 18 inches
  - Tape: Soft ivory tape with rubber core

THE J-PROP SHOP • 541 WEST HIGHLAND DRIVE • AUBURN, ME 04210 • (207) 555 - 9001

Complete the following:

1. Use your text editor to create a new file named **basic.htm**, and then save it in the `tutorial.01\review` folder included with your Data Files.
2. Add the doctype for an HTML5 document.
3. Create the root `html` element and nest the `head` and `body` elements within it.

4. Within the `head` element, insert the comment
 

```
The J-Prop Shop
Sample Page for the Basic Stick
Author: your name
Date: the date
```

 where *your name* is your name and *the date* is the current date.
5. Add code to specify that the page uses the UTF-8 character set.
6. Set the page title as **Basic Sticks**.
7. Link the file to the **modernizr-1.5.js** script file to enable HTML5 support for older browsers.
8. Link the file to the **basicstyles.css** style sheet file.
9. Within the `body` element, create structural elements for the page header, main section, and footer.
10. Within the page header, insert an `h1` heading containing the inline image file **basiclogo.png**. Specify the following alternate text for the image: **The J-Prop Shop**. Below the `h1` heading, insert an `h2` heading containing the text **Specials This Month**. Group the `h1` and `h2` headings using the `hgroup` element.
11. Within the `section` element, insert an `aside` element. The `aside` element should contain an inline image pointing to the *basicstick.png* file and having the text string **photo** as the alternate text. Below the inline image within the `aside` element, insert a paragraph containing the text string **Our Basic Stick**.
12. Add two `article` elements to the `section` element.
13. Within the first article, insert an `h2` heading containing the text **The Basic Stick**. Add a paragraph containing the following text:
 

**The Basic Stick is the perfect stick for beginners. The stick rotates slowly to provide extra time for performing stick tricks, but is flashy enough to impress your friends. Enjoy the following:**
14. Add a block quote containing the following four paragraphs (you can copy this text from the *stick.txt* file):
 

**Patented Dura-Coat finish ensures sticks can withstand all weather conditions. More durable than other sticks, these props will keep looking like new for as long as you own them.**

**Enhanced stick flexibility provides more bounce, allowing for better tricks. A soft rubber core adds a whole new element to the sticking experience that you have to feel to believe!**

**Full customization will give you the chance to own a pair of sticks unlike any others out there. I make exactly what you want, with your colors and your designs.**

**A personal touch through both my customization options and hand-crafted designs.**
15. Mark the first few words of each of the four paragraphs as strong text, as shown in Figure 1-48.
16. Within the second article element, insert an `h2` heading with the title **Specifications**.
17. Directly below the `h2` heading, insert an unordered list. The list should contain two items: **Main Stick** and **Handle Sticks (one pair)**.

18. Within the *Main Stick* list item, insert a nested unordered list containing the following items:
  - **Weight: 7 oz.**
  - **Length: 24 inches**
  - **Tape: Dura-Coat finish with laser-style color choices**
19. Within the *Handle Sticks (one pair)* list item, insert a nested unordered list containing the following items:
  - **Weight: 2 oz.**
  - **Length: 18 inches**
  - **Tape: Soft ivory tape with rubber core**
20. Locate the two occurrences of *Dura-Coat* in the document. Directly after the word *Dura-Coat*, insert the registered trademark symbol ®. The character entity name of the ® symbol is *reg*. Display the ® symbol as a superscript by placing the character within the `sup` element.
21. Within the page footer, insert the company's address:
 

**The J-Prop Shop**  
**541 West Highland Drive**  
**Auburn, ME 04210**  
**(207) 555 - 9001**
22. Separate the different sections of the address using a solid diamond (character code 9830).
23. Save your changes to the file, open it in your Web browser, and then compare your Web page to Figure 1-48 to verify that it was rendered correctly. Older browsers may display some slight differences in the design.
24. Submit your completed files to your instructor, in either printed or electronic form, as requested.

Apply your knowledge of HTML5 to create a Web page for a mathematics Web site.

## APPLY

### Case Problem 1

**Data Files needed for the Case Problem:** [mhlogo.jpg](#), [mhstyles.css](#), [mhtxt.htm](#), [modernizr-1.5.js](#)

**Math High** Professor Lauren Coe of the Mathematics Department of Coastal University in Anderson, South Carolina, is one of the founders of *Math High*, a Web site containing articles and course materials for high school and college math instructors. She has written a series of biographies of famous mathematicians for the Web site and would like you to transfer content she's already written to an HTML5 file. You'll create the first one in this exercise. Figure 1-49 shows a preview of the page you'll create, which profiles the mathematician Leonhard Euler.