In EVERY file submitted (except graphics files) you MUST place the following information near the top of the page – use JavaScript or HTML comments depending on the file type. JavaScript comments are // (single line) or /* */ (multi-line) HTML comments use `<!-- This is a comment. -->`   CSS files use only multi-line /* */ comments.

> Your Full Name
> Your Email @my.smccd.edu
> CIS 114 OL
> File Name
> Chapter #
> Assignment #
> Date

Your full name must ALSO appear in the title bar when HTML files are displayed in the browser. Use the <title> element in the document head to do this. 1 point will be deducted for each file missing any of the above information.

Create a folder named assign4.

1. In chapter 9 work through the chapter and do the Pursue bullet list items 8, 9, 14 and 15 at the end of chapter 9. Be sure to place a comment including the bullet number when modifying/adding code.   Create a folder named chapter9 and place all files in it. Maintain separate folders for the js and css files. Place the chapter9 folder in the assign4 folder.

    On page 368 step 11, the function call in the third line of code should be setTheme(theme).

    On page 356 there is an error in the section named Referencing Style Sheets:
      var mainCSS = document.getElementById('mainStyleSheet');
    This should be:
      var mainCSS = document.styleSheets[0];

2. In chapter 10 work through the chapter and do the Pursue bullet list items 2, 6 and 13 at the end of chapter 10. Be sure to comment out any code that you must modify before making the changes. Also, place a comment when modifying/adding code, including the bullet list item number.   Create a folder named chapter10 and place all files in it. Maintain separate folders for the js and css files. Place the chapter10 folder in the assign4 folder.

    Note that in os.js if a menu is disabled you should set the visibility property to hidden.

3. Use the original chapter 10 register.html file and rename it register2.html. You will add a password, address, credit card type, credit card number, and expiration date. Use the chapter 10 register.js file and rename it register2.js. Create a folder named register2 and place all files in it. Maintain separate folders for the js and css files. Place the register2 folder in the assign4 folder.
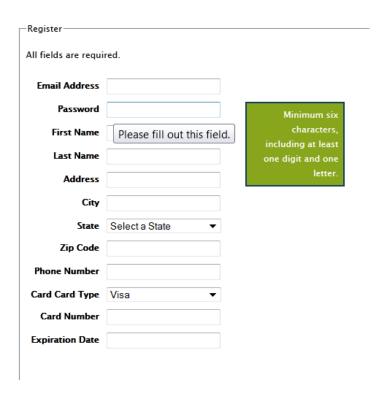
    Make these changes in register2.html:
    a. Move the email field to the top of the form and create and place the password field directly under it. Add a tooltip for the password to display "Minimum six characters, including at least one digit and one letter."
    b. Create an address input field and place it above the city field.
    c. At the bottom of the form, add a selection element for the credit card type: Visa or MasterCard.
    d. Add an input field for the credit card number. Add a tooltip to display "In the format XXXX XXXX XXXX XXXX or XXXX-XXXX-XXXX-XXXX or XXXXXXXXXXXXXXXX."
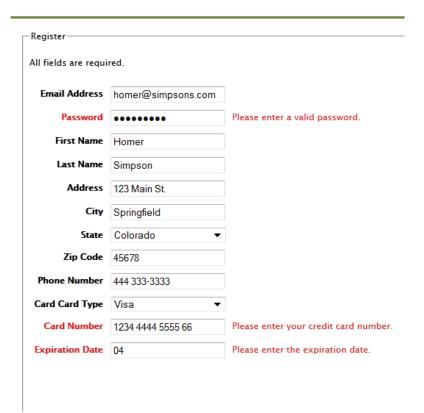   e. Add an input field for the expiration date. Add a tooltip to display "In the format MM/YYYY."

    Make these changes in register2.js:
    a. Validate the password with a regular expression. The password must have at least 6 characters and must contain at least one digit and one letter (upper- or lowercase). You can get some help with the regular expression here (see #3): http://www.the-art-of-web.com/javascript/validate-password/
    b. Add validation for the last name, address and city fields (similar to first name).
    c. Validate the credit card number with a regular expression. The credit card number must have 16 digits and can have a space or hyphen between groups of 4 digits, or can contain no spaces or hyphens. (For anyone wanting more of a challenge, you could research the numbering conventions used by Visa and MasterCard. Also, you could add more credit cards and validation for them.)
    d. Validate the expiration date with a regular expression. The expiration date must be in the format MM/YYYY.   In addition, the expiration date must be in the future from the time that the form was submitted (use the Date class).
    e. Be sure to enable the tool tips for the new input text fields (except address).
    f. Test to be sure that error messages are shown if there is any invalid or missing input.

    No changes are necessary in newform.css, unless you want to improve upon the design. No changes are necessary in utilities.js or errorMessages.js.

Register

All fields are required.

Email Address	
Password	
First Name	
Last Name	
Address	
City	
State	Select a State ▼
Zip Code	
Phone Number	
Card Card Type	Visa ▼
Card Number	
Expiration Date	

Register

All fields are required.

Email Address	
Password	
First Name	Please fill out this field.
Last Name	
Address	
City	
State	Select a State ▼
Zip Code	
Phone Number	
Card Card Type	Visa ▼
Card Number	
Expiration Date	

Minimum six characters, including at least one digit and one letter.

Register

All fields are required.

Email Address homer@simpsons.com

Password •••••••• Please enter a valid password.

First Name Homer

Last Name Simpson

Address 123 Main St.

City Springfield

State Colorado ▼

Zip Code 45678

Phone Number 444 333-3333

Card Card Type Visa ▼

Card Number 1234 4444 5555 66 Please enter your credit card number.

Expiration Date 04 Please enter the expiration date.

SUBMIT: Place the chapter9, chapter10, and register2 folders in the assign4 folder. Then zip the assign4 folder into a single file named assign4.zip and upload it to WebAccess.

Make sure that you include ALL FILES. If you neglect to submit ALL FILES you will receive a zero for each program missing any file(s). You should try unzipping your zip file to ensure that ALL FILES were correctly included. If you are uncertain what ALL FILES means, it is your responsibility to ask.

**An easy way to zip in Windows is to right-click on your file and then choose
Send To-> Compressed (zipped) Folder**

**On a Mac follow these instructions to zip your files:
http://www.macinstruct.com/node/159**

**Upload the assign4.zip file to the upload link in WebAccess by the due date/time.
http://smccd.mrooms.net**