

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
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.

1. In chapter 5 modify the membership.js file according to bullet list items #3 and #4 in the Pursue section at the end of the chapter. Make sure that the membership.html program works correctly. Maintain separate folders for the js and css files.
2. Write a program zodiac.html that gets the user's birth month and year (must be in the range 1000-9999 inclusive) and determines the Chinese zodiac sign. Create a separate JavaScript file zodiac.js. Use the membership program in chapter 5 as an example. Maintain separate folders for the js and css files, as well as an images directory for image files. Rename the CSS file zodiac.css. Download the zip file containing the images from WebAccess.

The Chinese zodiac has twelve signs that correspond to twelve animals. To determine the sign (animal) you will use the remainder after dividing the year by 12 (use the % operator). You must use a switch statement with cases 0-11 (plus a default case). Each case will determine the sign based on the remainder value. Note that the year must be a four-digit number. The program will display an image file and the name of the sign. Chinese New Year is determined by the lunation cycle, so we will assume that January would be the sign of the previous year and that the New Year begins in February (otherwise the program becomes much more difficult).

http://en.wikipedia.org/wiki/Chinese_zodiac
<http://www.chinesezodiac.com/calculator.php>

Create a function named findSign that determines and displays the sign and image file.


To display the image file you must first create an img element.
<https://developer.mozilla.org/en-US/docs/HTML/Element/Img>

When the sign is determined, update the src attribute of the img element to display the corresponding image file:

```
document.getElementById('image').src = "pathToImageFiles/imageFile.jpg";
```

For a more challenging problem, you could also display the characteristics of the zodiac sign. In addition, anyone with CSS skills can improve upon the design.

Chinese Zodiac Sign



Enter your month and year of birth to get your Chinese zodiac sign

Year

Month

Chinese Zodiac Sign



Rabbit

Enter your month and year of birth to get your Chinese zodiac sign

Year

Month

SUBMIT: Place the two HTML files as well as the js, css and images folders in a folder named assign2. Then zip the assign2 folder into a single file named assign2.zip and upload it to WebAccess. Make sure that you include ALL FILES. You should try unzipping your zip file to ensure that all files were correctly included.

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 assign2.zip file to the upload link in WebAccess by the due date/time.

<http://smccd.mrooms.net>