

In EVERY file submitted (except graphics files) you MUST place the following information at 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 <!-- comments --> CSS files use /* */ comments.

Your Full Name
Your Email @my.smccd.edu
CIS 114 OL
File Name
Midterm 2
Date

Your full name MUST 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 midterm2.

- 1) Create a program with files planets.html, planets.js, and planets.css. Download the midterm2.zip file containing image files and text data from WebAccess. Create a folder named planets. Create a folder named images for the image files, a js and a css folder. Place the js, images, and css folders in the planets folder. Place the planets folder in the midterm2 folder.

The planets.html file will display a drop-down list with the names of the planets along with the last option for Galaxies. Note that only the planets menu should display unless the Galaxies option is chosen. Feel free to improve upon the CSS design.

The planets.js file will have the following functions:

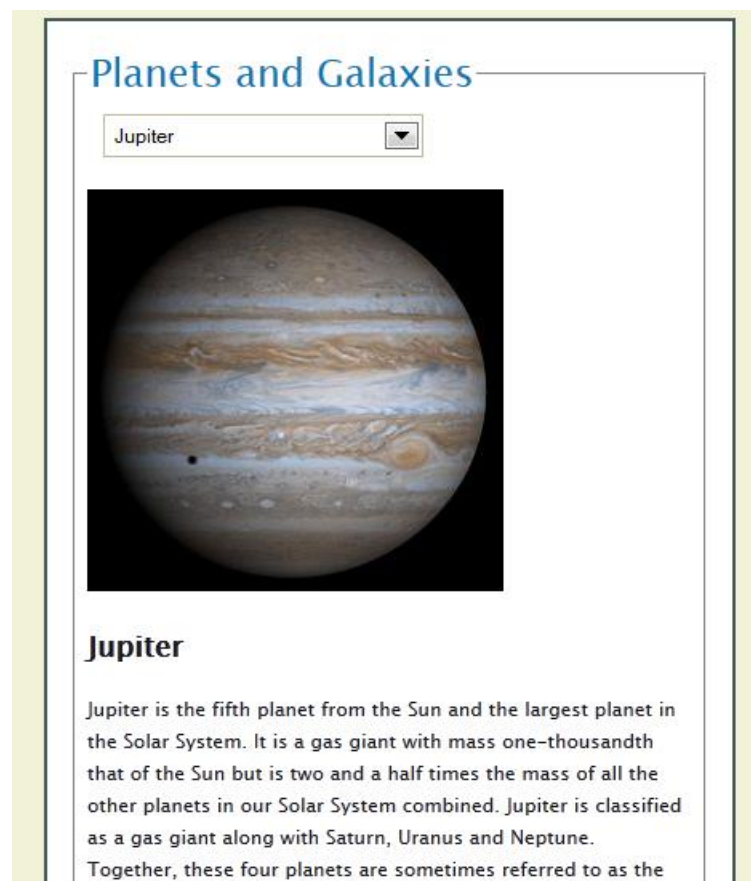
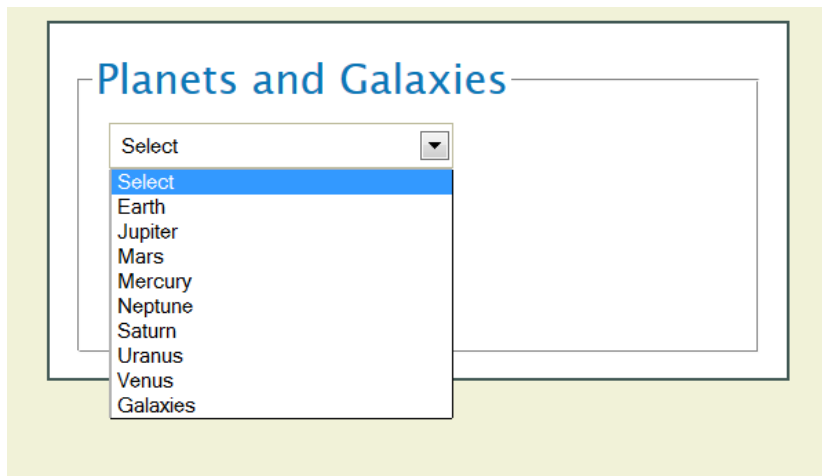
- A displayPlanet function to display the planet name and description.
- An updateMenu function to create and display a second drop-down list containing galaxy names.
- A displayGalaxy function to display the galaxy name and description.
- Note that you must also have an init function for window.onload.

The displayPlanet function must update the page to display an image file of the planet along with the information about the planet when the user chooses a planet from the list. However, if the choice is Galaxies call the updateMenu function. If the choice is Select don't display anything.

The updateMenu function will dynamically create a drop-down list for the galaxies. This new list should appear under the planets list. Be sure to attach an event handler to the new galaxy list.

The displayGalaxy function will display the image file of the galaxy chosen from the drop-down list, along with information about the galaxy. If the choice is Select wait for a selection and don't display anything. If the user chooses a planet from the planets list, the drop-down list for the galaxies MUST become invisible.

Screenshots:



Planets and Galaxies

Galaxies

Select

Select
Andromeda Galaxy
M82 Galaxy
Milky Way
NGC 5866
Omega Centauri
Whirlpool Galaxy

Planets and Galaxies

Galaxies

Whirlpool Galaxy



Whirlpool Galaxy

The Whirlpool Galaxy (also known as Messier 51a, M51a, or NGC 5194) is an interacting grand-design spiral galaxy in the constellation Canes Venatici. Recently it was estimated to be 23 ± 4 million light-years from the Milky Way Galaxy, but different methods yield distances between 15 and 35 million ly. Messier 51 is one of the best known galaxies in the sky.

Create a folder named visits and place it in the midterm2 folder.

- 2) Create a JavaScript file visits.js that creates or retrieves a cookie named visits that keeps count of the number of times the user has visited the page. You must use the cookie library from chapter 9. Create a visits.html file that displays the number of visits to the site. Do NOT use an alert for this. If it is the first visit you should display “Welcome, this is your first visit” otherwise it should display “Welcome back, you have visited this site x times” (here x would be the actual visit count INCLUDING the current visit). The message must appear on the visits.html page. Do NOT use an alert for this program. You do not need a CSS file for this program.

You should see the correct count displayed on the visits.html page when you load or reload the page (do NOT use an alert for this message). Test this program in several browsers to make sure that the count is being correctly incremented. Note: it will NOT work in all browsers so be sure to test in several.

SUBMIT: Place the planets and visits folders into the midterm2 folder and zip it INTO A SINGLE FILE called midterm2.zip, then upload it to WebAccess before the deadline. Make sure that you include ALL FILES, including image files. You should try unzipping your zip file to make sure 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 midterm2.zip file to the upload link in WebAccess by the due date/time.

<http://smccd.mrooms.net>