

Practical Lab Topic 4 - Creating Page Layouts With CSS - The Park City Gazette (20 Marks)

Aim:

To test your knowledge of CSS to design the layout for the front page of local newspaper.

Datafiles needed for this case problem :

address.txt , blake.jpg, cougar.jpg , links1.txt , links1.txt, libks2.txt, modernizr-1.5.js , paperrxt.css , parch.jpg, parch2.jpg , parktxt.ht, , pcglogo.jpg , story1.txt-story4.txt [Download ZIP Archive] , also available on Stream.

The Park City Gazette:

Park City Wellington is a rural mountain community noted for its ski slopes and fishing holes. Kevin Webber is the editor of the weekly Park City Gazette. The paper recently redesigned its printed layout and Kevin wants you to do the same thing for the online version. He's prepared several files containing sample text from recent article and a few lists of links that usually appear in the front page of the newspaper's website. He also provided you with image files that can be used for the paper's logo and background. Your job will be to use all of these pieces to create a sample web page for him to evaluate. The page **should look** as follows:

The mockup shows a website for 'The Park City Gazette'. At the top is a banner image of a mountain range with the text 'The Park City Gazette' overlaid. Below the banner is a left sidebar with a list of links: HOME PAGE, News, Local, State, National, International, Sports, Weather, Classifieds, For Sale, Wanted, Employment, Real Estate, Personal, Tourism, Attractions, Events, Parks, Camping, Subscriptions, and Contact Us. The main content area is divided into three columns. The first column features two articles: 'Local Woman Wins Marathon' with a photo of Laura Blake and a text block, and 'Highway 6 Reopens' with a text block. The second column features an article titled 'Cougar Sightings Increase' with a photo of a cougar and a text block. The third column features a box titled 'If You Encounter a Cougar' with a list of instructions, and a 'Stories Inside' section with a list of links. At the bottom of the page is a footer with the text: 'Park City Gazette 801 Elkheart Avenue Park City, CO 80511 1 (800) 555-2918'.

Local Woman Wins Marathon

Park City native Laura Blake won the 27th Front Range Marathon over an elite field of the best long-distance runners in the country. Laura's time of 2 hr. 28 min. 21 sec. was only 2 minutes off the women's course record set last year by Sarah Rawlings. Kathy Lasker and Lisa Peterson finished second and third, respectively. Laura's victory came on the heels of her performance at the NCAA Track and Field Championships, in which she placed second running for Colorado State.

In an exciting race, Peter Teagan of San Antonio, Texas, used a finishing kick to win the men's marathon for the second straight year, in a time of 2 hr. 12 min. 34 sec. Ahead for much of the race, Kyle Wills of Billings, Montana, finished second when he could not match Teagan's finishing pace. Jason Wu of Cutler, Colorado, placed third in a very competitive field.

This year's race through downtown Boulder boasted the largest field in the marathon's history, with over 9500 men and 6700 women competing. Race conditions were perfect with low humidity and temperatures that never exceeded 85 degrees.

Highway 6 Reopens

Highway 6 will reopen this Friday, May 3rd, after a final safety inspection. A late blizzard delayed road crews, marking this as one of the latest dates on record for the highway's reopening.

Rising to an elevation of 12,351 feet at Grace Pass, Highway 6 is a main link between Park City and Lake Elton. The reopening of the road is one of the annual signs that summer is near and the tourist season will soon be upon us!

Cougar Sightings Increase

Cougar sightings have increased 40% in the Park City area according to a report released yesterday by the state DNR. In the last month alone, there were ten sightings in Park City and the surrounding communities of Riley and Dixon. This compares to only twelve sightings for the entire spring of last year.

Reasons for the growing number of cougar sightings include increasing encroachment by people into former wildlife habitats and new wildlife regulations that result in decreasing numbers of elk and deer being taken by hunters. Cougars may be wandering into developed areas, following the herds.

DNR spokesman Steve Tasker asks residents to call the DNR report line at 555-6981 if they believe they have seen a cougar or any large predatory animal. Two fatalities have already occurred in the west this year from cougar attacks.

If You Encounter a Cougar

- Stop, stand tall, and don't run. A cougar's instinct is to chase.
- Try to appear larger than the cougar by raising your arms.
- Back away slowly, always keeping eye contact.
- If the cougar displays aggressive behavior, shout and wave your arms. Convince the cougar that you are not prey, but a potential danger.
- In case of an attack, stay on your feet and fight back aggressively.

Stories Inside

- Complete Marathon Results
- National Park Acquires Land
- School Board Election Results
- Spending Referendum Defeated
- Graduation Awards
- New Highway Proposed
- Camping Tips
- Cougar Sightings Increase
- Editorials
- Park City Profile

Tasks To Do

Complete the following tasks:

1. Use your IDE to open the `parktxt.htm` and `papertxt.css` files from the ZIP archive provided with this problem sheet. Add your name and the date in the comment section of each file. Save each file as `park.htm` and `paper.css` respectively in a folder named: `lab4`;
2. Using the content of the *address*, *links (all of them)* and *story* text (*all of them*) files create the content and structure of the `park.htm` file. You are free to supplement the material in these text files with additional content of your own if appropriate . Use the `#` symbol for the value of the `href` attribute in your hypertext links because you will be linking to pages that don't actually exist (as in - ``);
3. Link the `park.htm` file to `paper.css` style sheet file and then save your changes ;
4. Go to the `paper.css` style sheet and create a layout for your *Park City Gazette* page sample page. The layout **should be based on a fluid design** that will render well on pages width from 100 to 1400 pixels
5. The specifics of the page is up to your imagination and skill must include the following features:
 - a. Use the `display` property
 - b. Application of `width` and `height` style properties
 - c. Floated elements and cleared elements
 - d. Defined margin and padding spaces as well maximum and minimum widths
 - e. Border styles
 - f. Rounded or elongated corners
 - g. Use of progressive enhancement along with one or more browser style extension
 - h. A tiled or non-tiled background image
 - i. An example of relative or absolute positioning
6. Test your layout and design on a variety of devices (*hint: use your browser's developer options*), browsers and screen resolutions to ensure that your sample page is readable under different conditions. Test for 2-3 different web browsers and devices.
7. Publish your website to your website on SFS-WEBDEV.

Marking Schedule	
Component	Marks
Task 1 & 2	2
Task 3	2
Task 4	3
Task 5 (a-i ;1 mark each)	9
Task 6 (You can take a screenshot for each scenario to show it to your lab lecturers)	2
Task 7	2