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Student Number: 10

WEB DESIGN Textbook Assignment: Chapter 6: Multimedia and Interactivity Elements

POINTS: 10

DIRECTIONS: Type the answers to the following questions as appropriate. Underline your answers to distinguish them from the questions. This document should have a professional appearance when complete. *NOTE: Test questions will be based on this information.*

1. Definitions: Briefly define the following terms:

1. Multimedia is typically some combination of text, images, animation, audio, and video used to produce stimulation
2. animated GIFs is a single file in which separate images within multiple animation frames are stored
3. Adobe Flash is a powerful efficient software tool for creating sophisticated Flash movies for us on the Web
4. Microsoft Silverlight is a relatively new browser plug-in technology designed to play the multimedia content found in rich interactive applications
5. frame-by-frame animation: the designer must change the image manually
6. tweening: the image is not changed manually
7. avatar is an alternative persona or virtual identities for MMOGs or 3D virtual worlds
8. gadgets are small code objects that provide dynamic Web content
9. streaming audio begins playing as the audio is delivered by the server
10. online form: are structured Web documents on which information can be entered or options selected
11. applets are small programs that are designed to execute in a browser and are sent to a browser as a separate file together with the related Web page
12. servlets are similar to an applet, however a servlet executes from the server instead of executing within the visitor's browser
13. blogs are online journals used to promote Web site interactivity
14. live chat allows visitors to ask questions about products or services in real time

Questions: Answer each of the following briefly, but completely.

1. **Streaming Audio:** A great streaming media site is **Pandora** free radio, which offers customized music with no commercials.
 - a. Go to <http://www.pandora.com>
 - b. Create a PANDORA account.
 - c. Create a new radio station with music to your taste.
 - d. What was the name of your station? Lil Wayne Radio
 - e. List three songs you heard on your station: A Milli, I Luv It, Top Back

*NOTE: If you have an iPhone or iPod Touch, you can download **Pandora** as an **App** through the **App Store** and listen to your stations all the time in any wifi area. It is also available on a number of other mobile phones.*
2. **Animation:** To see some **Adobe Flash** animation:
 - a. Go to Hersheys: <http://www.hersheys.com>
 - b. Explore the site, noticing the animation, graphics, table layouts, etc.

- c. Click on RECIPES. In the search box, search for a recipe for **peanut butter fudge**. From the results, print the recipe you liked best and attach to this page.
3. **Animated GIFs:** GIF files can be animated. Find some fun ones you may want to use on your web pages by using GOOGLE IMAGES. Search for **subject ANIMATED GIF** (for example: **PUPPY ANIMATED GIF**). To see the animation, be sure to click on the image, and then click on **SEE FULL IMAGE**. (If it is not animating, check to see if it is a JPG. JPG files cannot be animated.). You can right-click and save the image if you want to use it later in your web pages. Print a copy of an animation you liked and attach to this assignment.
4. **Gadgets:** To find some free **gadgets** offered by google, go to <http://desktop.google.com/plugins/> List four gadgets you might like to download and what they do.
 - Games, Collection of Many Flash Games
 - Performance-Meter, system performance monitor
 - Battery Meter, Never lose track of your juice
 - Fast Shutdown, With one click you can turn your computer off or lock it
5. **Blogs:** There are blogs about almost anything you can imagine.
 - a. Google **SAVING MONEY BLOG** and read several blogs about saving money. What is a good money-saving tip you learned from the blog? Utilize generic products
 - b. Find a blog about something of interest to you. What blog did you find? Automotive Blogs
 - c. Print a page and attach to this assignment.
6. **Online Form:** To see a short online form, go to WALMART: <http://www.walmart.com>
 - a. Click on SIGN IN/NEW then CREATE A NEW ACCOUNT then CONTINUE (as if you were going to set up a new account).
 - b. Notice the address in the address box at the top of the window. It should have **https** rather than **http**, which means it is a secure site. Is this important for this form? Why or why not? Yes, so the fragile information does not get stolen by 3rd party members.
 - c. Notice the layout of the form. Is this an effective form? If so, what elements make it effective? If not, why not? Yes, because it is simple and user friendly
 - d. Take a screen shot of the form and insert it below.

NOTE: To take a screen shot of the screen: Just tap on the **PRT SCR** button on your keyboard. This will copy the entire screen image onto the Clipboard. Now switch back to this document and **PASTE** the image (**CTRL V**). Don't forget how to do this, as screen shots are valuable computing tools.



Skill Level:  Intermediate

Ingredients:

- CHOCOLATE CRUMB CRUST(recipe follows)
- 3 packages (8 oz. each) cream cheese, softened
- 3/4 cup sugar
- 3 eggs
- 1/3 cup dairy sour cream
- 3 tablespoons all-purpose flour
- 1 teaspoon vanilla extract
- 1/4 teaspoon salt
- 1 cup HERSHEY'S Semi-Sweet Chocolate Chips, melted
- 1 cup REESE'S Peanut Butter Chips, melted
- HERSHEY'S Fudge Topping(optional)
- Sweetened whipped cream(optional)

Directions:

1. Heat oven to 350°F. Prepare CHOCOLATE CRUMB CRUST.
2. Beat cream cheese and sugar in large bowl until smooth. Add eggs, sour cream, flour, vanilla and salt; beat until well blended.
3. Place half of batter (about 2-1/2 cups) in separate bowl. Stir melted chocolate into one bowl of cream cheese mixture and melted peanut butter chips into the second. Spread chocolate mixture in prepared crust. Gently spread peanut butter mixture over chocolate mixture. Do not stir.
4. Bake 50 to 55 minutes or until center is almost set. (For less cracking of cheesecake surface bake in water bath.) Remove from oven to wire rack. With knife, loosen cake from side of pan. Cool completely; remove side of pan. Cover; refrigerate.
5. To serve, drizzle each slice with fudge topping and whipped cream, if desired. Cover; refrigerate leftover cheesecake. 10 to 12 servings.

CHOCOLATE CRUMB CRUST: Heat oven to 350°F. Combine 1-1/2 cups vanilla wafer crumbs (about 45 cookies), 1/2 cup powdered sugar, 1/4 cup HERSHEY'S Cocoa and 1/3 cup butter or margarine (melted) in medium bowl. Press onto bottom and 1 inch up sides of 9-inch springform pan. Bake 8 minutes; cool.





Updates for 2010 Dodge Ram 1500 Include Higher Tow Ratings, New 3.21 Rear Axle Option

July 29, 2009

By Benson Kong

Photography by Melissa Spiering

Apparently, Chrysler understated the towing and payload capacities of its 2009 Ram half-tons, because the 2010 Ram 1500s will see both ratings increase without significant hardware revisions to the Dodge full-size trucks. A 2010 Ram regular cab equipped with a 5.7-liter Hemi V-8, rear drive, a 3.92 rear axle, 17-inch wheels, and a long-bed now carries a maximum towing capacity of 10,450 pounds, over 1000 pounds more than the 2009 rating of 9100 pounds.



When queried on the Ram's new mechanical capacities, Dodge truck spokesman Roger Benvenuti relayed to *PickupTrucks.com* that, "engineers determined the Dodge Ram was capable of towing much more than previously tested. Subsequently, the tow ratings were reassessed and the 2010 Dodge Ram increased its gross combined weight rating by 1500 pounds without any component or calibration changes to the vehicle." The likewise-equipped Ram from the previous paragraph now carries a maximum GCWR of 15,500 pounds.

Although the Crew and Quad Cab models do not carry the same maximum trailer rating of their Regular Cab sibling, both of their capabilities are still quite respectable. Both Crew and Quad Cab models equipped with the Hemi V-8, rear drive, 3.92 rear axle, and 17-inch wheels are rated at 10,200 pounds, while 20-inch-wheel-equipped models sit at 10,150 pounds.

While all I've mentioned until now has been the 3.92 rear axle, a taller 3.21 rear axle will also be available for Ram buyers who don't need the extra towing capacity. The new axle can be had only on Hemi-equipped models with rear drive, and while fuel economy ratings have not been officially updated yet, the new rear axle should be capable of slightly improving the ratings of 14 city/20 highway for the 2009 trucks.

All Ram trucks with the 3.21 final drive ratio carry a GCWR of 11,000 pounds. The standard cab can tow up to 6100 pounds when equipped with 17-inch wheels and 5900 pounds with 20-inch wheels. The Crew Cab

model will be able to pull up to 5700 pounds, while the Quad Cab can do 5800 pounds. Seventeen-inch rims will be the only wheel option for the Crew and Quad Cabs.

In addition to the bumped tow and payload ratings and new rear axle, other changes and amenities include optional manual- or power-folding trailer-towing mirrors, an optional integrated trailer-brake controller, a standard TPMS, iPod integration, new passive head restraints, and a fuel-saver indicator light for the V-6-equipped Ram. To help improve fuel economy, the front air dam has been deepened by 0.7 inch for improved aerodynamics, while a fuel shutoff feature during deceleration has also been added. New 22-inch wheels are also available for the Ram R/T.

Maximum payload figures have not been explicitly released, but the Ram regular cab with the base 3.7-liter V-6 and rear drive saw its payload increase by 50 pounds, pushing it to 1900 pounds total. Payload figures across the lineup should increase anywhere from 10 to 75 pounds, dependent on equipment configuration.

Source: PickupTrucks.com

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