CWEB 600 – Midterm

<u>Honest D's Used Car Sales 'New Arrivals' page</u>   <u>80 Marks</u>

You will complete an html file and then apply styling to it for a used car dealership. You are provided with 12 files for this question: 1 html, 3 css, 7 image files and one font file. These are all contained within the zip file starter.zip.

Part I – HTML (20 marks)

1. You will first complete the HTML file needed for this web page. Open car_arrivals.html in your editor.
2. [1 mark] Create a *header* element above the existing *section* element.
3. [2 marks] Add a header image using the header.jpg file provided. Use 'Honest Ds' as alt text.
4. [7 marks] Add a navigation element at the beginning inside the header, after the header image. You will need FIVE items in your navigation structure: 'Home', 'Search', 'Inventory', 'New Arrivals' and 'Contact Us'.
5. [1 mark] The navigation element should use a class called *horizontal.*
6. [1 mark] Add an aside element after the section element and before the footer.
7. [1 mark] Add a heading 1 element to the aside with the text 'Locations'.
8. [5 marks] Add FIVE images, each within its own div to the aside element. Each div will need an id. For all five, use the word location + a number 1-5. The first three will use the pinright.png image, the last two will use the pinleft.png image. You can use anything you like here for alt text.
9. [2 mark] Add a footer element containing the text 'Honest D's Used Cars © 2021 All Rights Reserved' as the last element in the body.
10. Save your HTML file.

Part II – CSS (60 marks)

11. [1 mark] Use your editor to open the car_arrivals.html, car_styles.css and car_arrivals.css files from the starter folder. Enter your name and the date in the comment section of each file.

12. [3 marks] Go to the car_arrivals.html file in your editor. Link the three css files: car_reset.css, car_styles.css, and car_arrivals.css. Save your changes to the file.

13. [2 marks] **Go to the car_styles.css file in your editor.** At the top, define a new custom font called RadioSpace using the included font file. Note you'll need to use 'truetype', not 'ttf'.

14. [4 marks] Under 'Horizontal Navigation List Styles', create a style rule that applies this font to any of the links in the nav item below the header graphic. Use a cursive font as a secondary. Set the font to be 1.4 em units and the line height to be 1.8 em units. Make sure the text is centered.

15. [4 marks] In the same section, create a style rule for the links to create a color highlight effect when the user mouses over a menu item. Whenever a user moves the mouse over a menu item, change the color to the regular css red color. Otherwise color the text the regular css blue color.

16. [3 marks] **Go to the car_arrivals.css file in your editor**. Within the Page Body Styles section, add a style rule that sets the width of the page body to 95% of the browser window width within the range of 650 to 950 pixels. Horizontally center the page body within the window.

17. [2 marks] **Go back to the car_styles.css file**, add a background which will appear 'behind' the body of the page. Use the cars.jpg file for this.

18. [5 marks] Add a style rule to the 'Map Styles' section to use the map.jpg file as the background for the aside element. It should be centered both horizontally and vertically, sized at 100%, set to not tile, and use the content-box. Also set the level one headings to be colored blue and add a 20 pixel margin along the top of the aside. **Once you've done this, you can switch back to car_arrivals.css for the rest of part II.**

19. [2 marks] Go to the 'Image Styles' section and create a style rule that displays all img elements as blocks with a width of 100%.

20. [6 marks] The navigation list should be displayed horizontally on the page. Go to the 'Horizontal Navigation Styles' section and create a style rule to make each list item line up next to each other from left to right. There are five items, but the first one 'Home' is quite a bit smaller than the others. Using just two rules, set the Home item width to 12% and the other widths to be 22%.

21. [1 mark] Display every hypertext link nested within a navigation list item as a block.

22. [3 marks] Next, you will create the grid styles for the New Arrivals page. Go to the Grid Styles section and create a style rule that displays the body as a grid with two columns such that the left column is 2/3 and the right is 1/3 with 20 pixels of space just between columns.

23. [2 marks] Create a style rule for the header and footer elements that has both elements span the entire body width.

24. [2 marks] Create a style rule for the section element with id "vehicledisplay" that displays that element as a grid consisting of two columns sized as 2/3 and 1/3, respectively.

25. [4 marks] Add the divs containing the vehicle pictures to the first column, and the divs containing the vehicle info to the second column.

26. [2 marks] Go to the Vehicle Info Styles section. Create a style rule for all div elements of the newvehiclepic class that sets the height to a maximum of 200 pixels and adds a 2 pixel dashed outline around the element with a color value of rgb(171, 129, 129).

27. [3 marks] Go to the Map Pin Styles section. In this section, you will create styles for the list of locations of all Honest D's dealerships. Pins are placed within the aside element. Create a style rule for the aside element that places it using relative positioning and sets it to be 650 pixels high.

28. [2 marks] Every pin in the aside element is stored in a div element. Create a style rule that places these elements with absolute positioning.

29. [5 marks each] Position the pins within the map box by creating style rules for each of the div elements in the aside. You can place them, in order from 1 to 5, as follows:

    1. 60px, 35%
    2. 190px, 15%
    3. 380px, 60%
    4. 390px, 33%
    5. 475px, 75%

30. [2 marks] Go to the page Body Styles at the top. Add a gradient to the *footer*. The gradient should be regular blue along the bottom edge, gradually moving to regular black along the top edge. To make this more visible, increase the size of the footer to 75px. Also, center the text vertically (this one doesn't have to be precise. Get it as close as you can).

31. [2 marks] Add a box shadow to the *aside* element. To get the effect we are after, we'll want to set the direction to left and down (yes… down). For a color, use a medium gray color (use 75 with your rgb color setting) and 25px of blur.

32. Save your changes to the style sheet and then open the car_arrivals.html file in your browser. Verify that the layout and design styles resemble the page shown below.

Once you've completed all of the above, zip your resulting files into a zip file and upload them to dropbox. If you need any help submitting, be sure to ask.