**Web Development Report**

**Site content and design:**

**The URL of the website is:**

The website (Car Fever) simulates a car blog that shows the latest car news and presents a few car reviews. The website also has a fixed layout design.

Diagram

Description automatically generated**Wireframes of the website:**

**Home Page:**

**Reviews Page:**

**Diagram

Description automatically generated**

**News Page:**

**Use of HTML5:**

A variety of tags were used in this website such as <h1> for the heading of the page, <h2> for the subheadings and <p> for the paragraphs.

The <div> tags were used to separated certain sections on the web page. For example, <div id = “footer”> was used for separating the bottom section of the webpage form the others. This also helps the web page look cleaner as it will stop some sections from overlapping with each other. Besides that, the division tag makes using CSS to edit these certain sections much easier. The <span> tag was used to mark up a piece of text making it simpler to style by using CSS as shown in the about us paragraph in the home page.

The navigation bar used on the website was created by using an unordered list tag (<ul>) and <a> tags. The <ul> tag was used as it represents several different items whereas the <a> tags were used to link these items to the pages they represent.

The images used on the website were inserted using the <img> tag. The syntax of the code is as follows <img src="image.png" width="100" height="100" alt="image">. After the equal sign, the source of the image is shown, then specifying the width and heigh of the image and alt provides a description of the image itself. The following code <a href="mailto:hussain-m-@outlook.com">email</a> simulates a link to the email of the company in case the visitor has a suggestion or a question.

The <iframe> tag was also used on the website as shown in the location section. This tag has many uses, one of which is to attach another html page to the current one. In this instance, the <iframe> tag was used to attach another page that contains the virtual location of Car Fever. Besides that, a <form> tag was used to allow different types of input. Therefore, allowing an input of name, email, comment and a gender checkbox. This is done by specifying the type of input required in the code. For the checkbox, <label> tags were used to label each of the options as shown on the website. Moreover, in the form action, a “mailto” option was used to simulate sending the form to the email of Car Fever once pressing the submit button.

**CSS Explanation:**

Many different CSS techniques were used to style the website. One of which is the color of the backgrounds of both the footer and the navigation area. This was done by specifying the code of the color that suits the website.

In the container section of the home page, the child element was specified in the CSS sheet by #container p. Therefore, it styles the <p> tag of the container section instead of styling the whole section. Moreover, a dotted border was added by using the following syntax: border: 10px dotted #0000FF specifying the size, type and color of the border.

The margins of many elements were specified on the CSS sheet. Therefore, allowing more space between the different sections of the website. Paddings were also specified to make more space around the content of the element. For example, the <p> tag inside the container section the paddings were specified creating more space between the border and the text.

An overflow technique was used in the about us section of the home page. The value used within this technique was hidden which means that only the things that are in the section appear and the rest will not. To elaborate, everything outside of the element’s box is not going to be rendered. Moreover, in the margin technique, an auto value was used. Therefore, the element will take up the specified width and will adjust the left and right margins equally and accordingly.

Besides that, the text align feature was also used on many occasions such as in the unordered list of the navigation section. This feature can be used to move and align anything to the left, center or right of the page. Moreover, on the location and contact IDs, the float feature was used to float the divisions to the left and to the right, keeping them in two different columns. Min-width and max-width techniques were also used to specify the maximum and minimum width of a certain section on the website. Therefore, not allowing certain sections to be too big or too small for the website.

**CSS Techniques:**

**Border:**

<https://www.w3schools.com/css/css_border.asp>

**Overflow:**

<https://developer.mozilla.org/en-US/docs/Web/CSS/overflow>

**Float:**

<https://www.w3schools.com/css/css_float.asp>

**Graphics and Other Media:**

[Black Mercedes Benz Van Near House · Free Stock Photo (pexels.com)](https://www.pexels.com/photo/black-mercedes-benz-van-near-house-2385881/)

<https://pnghunter.com/png/old-instagram-logo/>

<https://www.freepnglogos.com/images/logo-twitter-png-5860.html>

<https://pngimage.net/print-button-png/>

**Testing:**

**Google Chrome:**

**Graphical user interface, website

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Firefox:**

**Graphical user interface, website

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Microsoft Edge:**

**Graphical user interface, website

Description automatically generated**

**Diagram

Description automatically generated with medium confidence**

**Validation:**

**HTML Validation:**

**Home Page:**

**Copyright Permission:**

All images used in this website are either copyright free, photographs taken personally or drawn by using designing apps and websites.

The feature line and the website’s logo were designed by using the following website:

<https://logomaker.thehoth.com/>

Graphical user interface, text, application, email

Description automatically generated