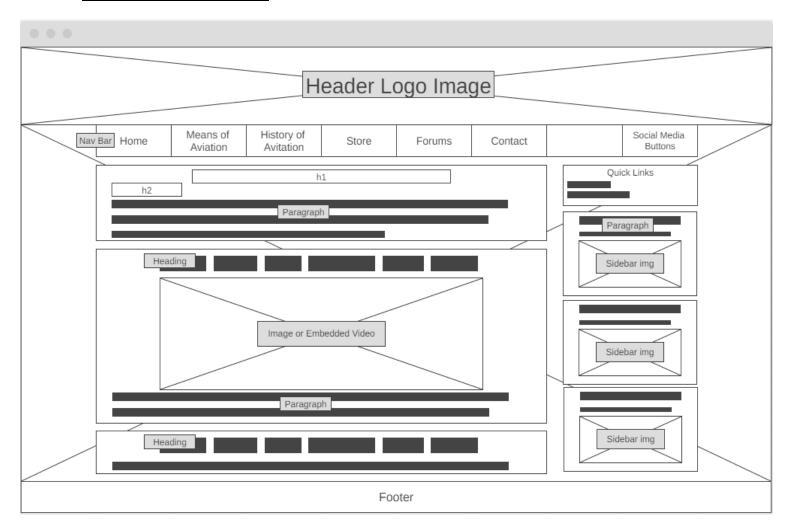
# COM109 Interactive Web Authoring - Assessment One Report Niall Morrissey (B00787301)

# **Soaring Aviation Website Report**

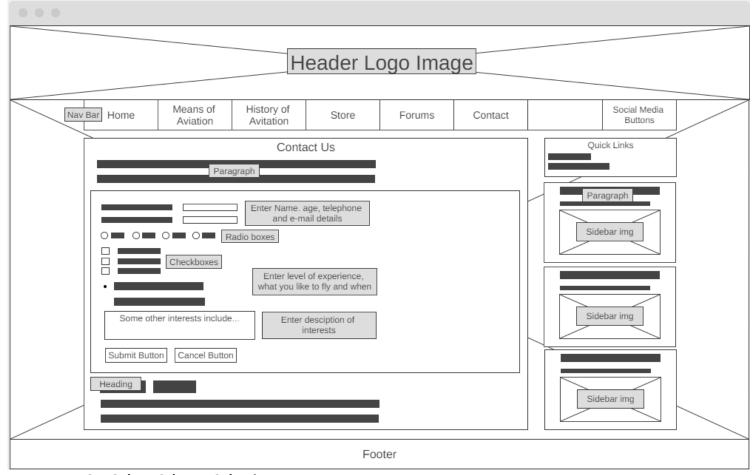
1. Initial Wireframe Designs (used wireframe.cc to design layouts)

I prepared a wireframe diagram to help develop the layout I planned to use on my website. The use of wireframe diagram allowed me to plan the layout of the website. I have included two wireframe diagrams, one for the index page layout which will also be used on the majority of web pages following to ensure the website has an overall consistent look and feel.

# index.html wireframe design



The second wireframe diagram was for the contacts page on which the layout was amended to reflect the contact information content being requested from the user. As this was different from the main index page, I considered it would be useful to set out the fields to be included.



### 2. Colour Scheme Selection

In deciding the layout and colour scheme of my website, I used blue as the primary colour. This looks well and reflects the sky etc therefore helping reinforce the theme and subject matter of the website. I liked the blue colour chosen, although not the colour of the sky enhances and complements the background image of the airfield.

For my menus I used a beige colour which contrasts well with the background colour and stands out without being too "loud" and making it unpleasant for the user to view.

Overall, the background colours and designs should enhance the content and not distract the reader from the information on the website. My background image is of an airfield/runway from a scenic location which reinforces the aeronautic theme. I reduced the opacity some of the div elements located in the centre of the web pages so that the background image is more visible. You will see the effect on the website as I have not reduced the opacity of the header and footer allowing the effect to be compared, whereas the middle div elements have been.

As seen in the attached screenshot below, reducing the opacity has added impact to the div elements containing content.



## 3. Web Site Design Process

I used the following steps when designing and building my website.

### a. Planning Stage

In this stage thought about the theme of my website. I am interested in aviation and decided to produce a website that would provide information about the different forms of aviation and link to content videos YouTube to provide more information. I prepared the index wireframe diagram to help plan the general layout.

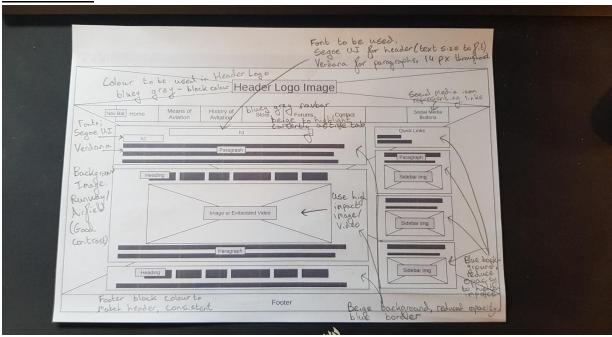
# b. Gathering Content

I started to research the content and look for appropriate text content and images online. I also reviewed videos on YouTube, that I could link to in my website.

# c. Design and build

Using the wireframe diagram, I annotated the bare diagram with colour schemes and effects that I intended to include in my website. I have attached in the screenshot below a photo of the wireframe diagram used for this phase of the design and build. Once I had the index page prepared, I replicated the design for the other pages. I have written my CSS to allow scaling of the webpage so when the user changes the size of their window or decided to access it on a smaller device i.e. a mobile device, the website should scale to fit.

# Plan Structure



# d. Testing - Checking for Validation and Compliance

I tested the website to ensure all was working properly and in particular the validation on the contents page. I tested all the features in my javascript function used in the contact form, all information was gathered correctly and the client-side validation was working as expected. In the attached <a href="mailto:Annex 1">Annex 1</a> below, I have attached screenshots of the produced validation reports after checking with https://validator.w3.org/#validate\_by\_input. I checked the StyleSheet.css, index.html and contact.html webpages. Each validation report returned with no errors or warning to show.

# 4. References

## Website Development

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# Website Content (Text and Images)

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## **Annex 1 - Screenshots of Validation Reports**

Document checking completed. No errors or warnings to show

'StyleSheet.css' Validation Report Screenshots

### Source

```
/* Soaring Aviation Cascading Style Sheet*/↔
     /* Body element styling for background images; top.png used as background header during full screen, \leftarrow background.jpg as main background for site */\leftarrow body{\leftarrow
        background: url(../Images/headerbackground.PNG) no-repeat , url(../Images/background.jpg) no-repeat center fixed;⊖
background-color: #222;⊖
 6.
7.
8.
        margin: 0:↔
        padding: 0;←
background-size: 100% 135px, cover;←
height: 100%;↔
      /* Header div for styling header logo image for each web page */ \leftrightarrow
     #headerlogo{←
margin-left: auto;←
margin-right: auto;←
max-width: 100%;←
        height: auto; ←
display: block; ←
     /* Container for containing both main and sidebar content */ e
     #container for contain

#container {⊕

max-width: 1400px;⊕

margin-left: auto;⊕

margin-right: auto;⊕
     } \leftarrow /* Maincontent div for setting dimensions and keeping it to the left */ \leftrightarrow
     #maincontent{←
width: 75.0%;←
float: left;←
     .content{←
margin-top: 5px;←
        margin-bottom: 10px; ↔
       float: left;←
background-color: rgba(212, 201, 186, .75); ←
border: 3px solid #294352;←
     }←
/* Embedded video div for containing and postioning embedded video */ ←
     #embeddedvideo-container {←
overflow: hidden;←
        padding-top: 56.25%; /* Setting a 16:9 aspect ratio */↔ position: relative;← margin-left: 1vw;←
     #embeddedvideo{←
       height: 95%;↔
width: 97%;↔
        top: 0;←
left: 0;←
        position: absolute; ←
        border: 3px solid #294352;↔
     /* Sidebar div for setting dimensions and keeping it to the right */ \leftrightarrow
     #sidebar{←
width: 24.5%;←
float: right;←
     width: 100%;↔
        width: 1808; □
mangin-top: 5px; □
margin-bottom: 18px; □
float: right; □
mangin-top: 5px; □
background-color:rgba(41, 67, 82, .75); □
        border-radius: 15px;↔
        color: #d4c9ba;↔
     }←

* Side image class for styling and centering sidebar images */ ←
.sideimage(←
margin-left: auto;←
margin-right: auto;←
max.width: 90%;←
        height: auto;←
display: block;∈
        margin-bottom: 10px;↔
```

## COM109 Interactive Web Authoring - Assessment One Report

```
/* Foot div for centering and positioning footer content */ \leftrightarrow
 84.
        #footer{←
clear: both;←
background-color: #294352;←
  86
  87
  88
           overflow: hidden; ←
           color: #d4c9ba; ←
text-align: center; ←
position: relative; ←
  89
  90
 91.
92.
93.
94.
           padding: 10px;↔
bottom: 0;↔
 95.
96.
97.
98.
             Navigation Menu (Links) */ ↔
        /* Unordered list for containing links */ \leftrightarrow ul {\leftrightarrow
99.
100.
101.
102.
103.
104.
105.
           list-style-type: none;↔
           margin: 0;←
           padding: 0;←
overflow: hidden;←
           border: 3px solid #d4c9ba;↔
background-color: #294352; ↔
font:16px "verdana", san-serif;↔
106.
107.
108.
109.
110.
       11 {←
            float: left;←
       }e /* Anchor element for styling and setting dimensions of horizontal navbar */ e
 112.
113.
114.
115.
          display: inline-block;↔
color: #d4c9ba;↔
padding: 12px 16px;↔
text-decoration: none;↔
115. padding: 12p
116. text-decorat
117. }+
118. a:link {+
119. color: #d4c9
120. background-c
121. }+
122. /* Anchor:hove
123. li a:hover {+
124. background-c
125. }+
126. /* Anchor:acti
127. li a:active, a
128. background-c
129. }+
130. /* Anchor.acti
131. li a.activepag
132. background-c
133. color: #2943
134. }+
135. /* Social icon
       a:link {←
color: #d4c9ba;←
           background-color: transparent;↔
          /* Anchor:hover for changing colour when user hovers over link */ ↔
           background-color: #222;↔
        /* Anchor:active for changing colour when user is actively clicking link */ \leftrightarrow li a:active, a:focus{\leftrightarrow
           background-color: #222;↔
        li a.activepage{↔
          background-color: #d4c9ba;↔
           color: #294352;↔
        135
136.
137.
138.
139.
        .socialicons{←
           float: right;↔
margin-top: -4px;↔
margin-bottom: -6px;↔
       140.
141.
142.
143.
144.
145.
148.
149.
150.
151.
152.
153.
155.
156.
157.
           font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;⊖
font-size: 30px;⊖
           text-align: center;
            font-family: 'Seg
font-size: 24px;↔
                                 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;↔
           margin-top: 10px;↔
           margin-bottom: 10px;
        h3{←
           ne
margin-left: 8px;⇔
font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;⇔
font-size: 24px;⇔
160.
161.
162.
163.
164.
165.
166.
167.
168.
170.
171.
172.
173.
174.
175.
176.
       h4{←
           4(←
margin-left: 8px;←
font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;←
font-size: 18px;←
text-align: center;←
margin-top: 2px;←
           margin-bottom: 2px;↔
        p{ ←
           margin-top: 4px;↔
margin-left: 10px;↔
           margin-right: 10px;←
font-family: Verdana, Geneva, Tahoma, sans-serif;←
font-size: 14px;←
       }←

/* Main field div for styling and positioning main field set */ ←

#mainfield{←
    color: #d4c9ba;←
    background-color:rgba(41, 67, 82, .9);←
    font-family:'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;←
    border-radius: 15px;←
178.
179.
180.
 181
182
           border-radius: 15px;←
margin-bottom: 5px;←
 183
 184.
185.
         /* Contact legend div for styling legend on contact page */ ↔
       #contactlegend ←
display: inline; ←
width: auto; ←
color: #294352; ←
border: 2px solid #294352; ←
background-color: rgba(212, 201, 186, .9); ←
 186
 188
 190
```

Total execution time 8 milliseconds

#### Source

```
<!DOCTYPE html>←
     <!DOCTYPE html>

<html lang="en">e

<head> <!-- Meta data information -->e

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"/>e

<meta name="author" content="Miall Morrissey">e

<meta name="Keywords" content="Aviation, Aircraft, Flying, Pilot, History, Enthusiatiast, Learning">e

<meta name="Viewport" content="Width=device-width, initial-scale=1.0">e

<!-- Title of Weboage and CSS/Favicon links -->e

  6.
7
  8.
               (title>Soaring Aviation</title>←

// rel="stylesheet" href="./CSS/StyleSheet.css">←

// rel="shortcut icon" type="image/ico" href="./Images/favicon.png"/> ←
 9.
10.
11.
12.
13.
14.
15.
16.
17.
18.
          </head>←
               </header>←
               20.
21.
22.
23.
24.
25.
26.
27.
28.
29.
                        <a href="store.html">Store</a>
                        <a href="forums.html">Forums</a>←<a href="contact.html">Contact</a>←</a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>
                        30.
31.
                   <!-- Start of maincontent div to hold content classes and keep it ordered to the left of webpage--> ←
32.
33.
34.
35.
36.
37.
38.
                   <h1>Welcome to Soaring Aviation!</h1>↔
<h3 id="about">What It's All About</h3>↔
                              ←
                               paring Aviation is a fanzine about everything aeronautical.
                             Within our website you can discover just about everything that can take off! You can do everything from discovering ↔ the history of the Cessna 150 to the mechanics of a Boeing AH-64 Apache helicopter. ↔ If you want to add to the discussion you can use our external forums to chat with other fellow airheads about your aviation dreams.↔
39.
40.
41.
42.
43.
44.
45.
46.
50.
51.
52.
53.
55.
57.
                        </div>←
                        <div class="content">↔
                             <h1>What's Your Favourite Form of Aviation?</h1>↔
                              Planes? Helicopters? Wing Suit? Air Ballon? ↔
                             No matter what form of aviation you are interested in we explore them all here! ←
Just check out the different means of aviation to get an idea of all the great ways to get around the world.↔
                             </div>
                             <em>←
                             Embedded video provided by the YouTube Channel 'Seeker'.↔
                              </em>↔
                        </divse
                        <div class="content">
                             <h1>Our Goals</h1>←
 59
                              ←
60.
61.
62.
                             Our goal is to keep you up to date with all current flight news and events so you don't miss out.↔
Thanks to all our readers for helping and supporting the website.↔
                             63.
                    </div> <!--End of maincontent div-->
65.
66.
67.
68.
                   <h2>Quick Links</h2>↔
69
70
71
72
73
74
75
76
77
78
80
81
82
83
                             ←
                              <a href="#about">About Us</a><br>+
                             <a href="./contact.html#contactus">Contact Information</a>
                              ⊖
                        </div>←
                        <div class="sidecontent">←
                             <h2>New Aircraft Releases</h2>↔
                        </div>←
                        <div class="sidecontent">
                             Aircraft operated by American Airlines.↔
                        ⊖
</div>⊖
84.
85.
                        <div class="sidecontent">↔
                             <h4>Airbus A350-1000</h4>↔
86.
87.
88.
90.
91.
92.
93.
94.
95.
96.
                              <a href="./Images/sideimage2.jpg"><img class="sideimage" src="./Images/sideimage2.jpg" alt="image of A350-1000 airliner "></a>←
                              The first delivery to Qatar Airways is expected in late-2020.↔
                         </div>←
                        <div class="sidecontent">↔
                              <h4>airBaltic CS300</h4>↔
                              <a href="./Images/sideimage3.jpg"><img class="sideimage" src="./Images/sideimage3.jpg" alt="image of CS300 airliner "></a> ↔
                             The launch customer of the larger CS300 CSeries aircraft is airBaltic. ↔
                              </div> ←
  </div> <!--End of sidebar div-->←
</div> <!--End of container div-->←
98.
100.
101.
               <div id="footer"> <!--Footer div containing copyright information-->↔
102.
103.
                    Copyright © 2021 Soaring Aviation
               </div>←
104. </br>
105. </html>
          </body>↔
```

Document checking completed. No errors or warnings to show.

## 'contact.html' Validation Report Screenshots

#### Source

```
<!DOCTYPE html>⊖
 8.
 9.
10.
11.
12.
13.
14.
15.
16.
         <body>←
             </header>←
             18.
19.
Start of maincontent div to hold content classes and keep it ordered to the left of webpage-->
                 <h1 id="contactus">Contact Us</h1>←
                          If you need to contact us at Soaring Aviation please complete the following form below⊖
                              we should be able to get back to you shortly.
                          <label for="lname">Last Name: <input type="text" name="lname" id="lname" size="20" placeholder="Smith"> *</label>+
                                   <label for="age">Age: <input type="text" name="age" id="age" size="1"> (years old) *</label>←
                                   <label for="tel">Telephone Number: <input type="text" name="tel" id="tel" size="20" placeholder="+447870 123456"> *</label>←
                                   <label for="email">E-mail Address: <input type="text" name="email" id="email" size="40" placeholder="email&#64;address.com"> *</label>+
                                   <label>Level of Experience:</label> <!-- Enter level of experience within combobox--> ←
                                      <optgroup label="Commercial Pilot">+
                                           <option value="5">CPL (Commercial Pilot Licence Holder)</option>←
<option value="6">ATPL (Airline Transport Pilot Licence Holder)</option>←
                                       </optgroup>↔
                                       </select>⊖
                                  </fieldset>↔
82
83
                                  84
85.
86.
87.
                                  </fieldset>€
88.
89.
90.
91.
92.
93.
94.
95.
96.
97.
98.
99.
100.
101.
102.
103.
104.
106.
107.
                                  <fieldset class="subset"> <!-- Check boxes for user interests-->
                                      eldset class="subset"> <!-- Check boxes for user interests--> ⊖

<legendolm interested in</legendolm classes for user interests--> ⊖

<input type="checkbox" name="c_1" id="c_1" value="yes" checked="checked">→

<label for="c_1"Seneral Aviation</label>>br>→

<input type="checkbox" name="c_2" id="c_2" value="yes">→

<label for="c_2">>Personal Aircraft</label>>br>→

<input type="checkbox" name="c_3" id="c_3" value="yes">→

<label for="c_3">>Commercial Aircraft</label>>br>→

<label for="c_3"></label for="c_3">
                                      </fieldset>←
                                   <label for="desc">Description of any other interests</label> <!-- Desc box for user to enter extra information on interests--> +
                                   <textarea name="desc" id="desc" rows="5" cols="44" wrap="soft">Some other interests include </textarea>↔
                                  clinput type="button" value="Display Details" onclick="javascript:formLoop();"> <!-- On click run function formLoop (located in external js)--> ←
<input type="reset" value="cancel" > <em>(* Required Fields)</em> ←
                              </fieldset>
```