Introduction

This assignment is creating a website for a charity group. A small charity group, ACS, has requested to create a website for them. This charity group promotes an annual charity show in the community finding funds to extend their help to the animal shelters around the country. This website must be able to help their process of allowing customers to register into the system and kept informed of the monthly updates and annual charity shows the charity hosts.

Task – 1 HTML - Web Design

There is a total of seven pages for the whole website: home, charity events, fund raising, community, news and reviews, tools and calculators and Join Us Now pages. These HTML pages are linked to a CSS file as the style sheet for them.

All the pages are mainly divided into four sections: logo, navigation, contents and footer.

The logo area consists of the name of the website and a background image. The footer and the logo is the same in all the pages; no changes are made.

The colors used in this page are mainly orange and black on a white background so that it will not be very disturbing. The texts are written in black so that it can be easily read. They are also fairly big enough to be read in a mobile screen too.

The texts for the contents are written in short paragraph so that they will not be in long blocks. Users tend to lose interest in reading if there are so many block texts. The text are written in ‘p’ tag and some in ‘dl’ tags.

The contents of the navigation and the links are written using ‘a’ tags.

1. Home Page

Figure 1.1(Home Page)

This is the first page of the website. The introduction of the website what they do and how to contact them are shown here in this page. At the top of the content area, the information of the charity group is shown. There are also information about where and how to contact them in this page. They can also find out about the charity group from other links like Facebook, google and other links. Signing into the system can also be done from here. There is a sign in form at the bottom of the page. There is also a video to inspire the people adopt the pets or help in the charity.

The introduction texts next to the picture is written in ‘dl’ tags.

An ‘a’ tag has been used to link the page to other places. Above the sign in form there is a link to go to Join us now page. If the user is not in the system, they can subscribe to it from there.

The video is put in using ‘video’ tag. The ‘img’ tag is used to put in the images.

As for the form, it used a ‘form’ tag.

2. Charity Events Page

Figure 1.2(Charity Events Page)

Charity Events page is the second page of the website. The upcoming charity events that will be hosted by the different animal shelters around the country are posted here. The people who are willing to participate in such charity events can look at the posted events and find out more about them as they are linked to the animal shelters.

3. Fund Raising

Figure 1.3(Fund Raising)

The progress of the funds collected by the ACS group and how they collect the funds from the people can be found on this page. A graph has been provided to display the progress of the charity. There are also some events of how the ACS collect the funds.

4. Community

Figure 1.4(Community)

This page provides a form where the people can write suggestions and comments on these events. This is basically a survey of what the people think about the website.

A form is provided to the user to fill in the comments and suggestions. The users can also rate the website.

5. News and Reviews

Figure 1.5(News and Reviews)

The latest news about the different animal shelters around the country are shown here. Each news is bounded with a border to make it neater to read. Readers will be able to read the news with more interest as the news are neater and grouped individually.

6. Tools and Calculators

Figure 1.6(Tools and Calculators)

The people who are interested in adopting a pet can calculate how much it will take to take care of a pet. They can calculate the total amount that they will need to adopt a pet. To calculate the cost the user will be asked what kind of pet they are adopting and its date of birth for the calculator to calculate how old the pet is. After putting in the values, the calculations will take place as soon as the calculate button is clicked.

The calculator is written in a form tag. The value of what kind of pet the user is adopting is asked in a drop down box with a limited number of selections. This is written using the selection tag.

7. Join Us Now

Figure 1.7(Join Us Now)

Users are allowed to subscribe into the newsletter. A form must be filled which include the user’s personal details and the reason why they are interested in the charity and how they would like to help the charity. They can also sign in using other social media links.

A form of subscription which will ask the user to input the details is written in the form tag using p tags. The inputs use tags input with different types respectively. For name and some ordinary data, it uses text type input. For password, it uses password type input tag and for radio button the type is radio. At the last, a button is provided for the registration to take place.

Task - 2 CSS Code

For the whole website, the responsive type of CSS code is used. Therefore, there is only one CSS file in here for both PC and mobile web.

1. body

2. {

3. width: 85%;

4. margin:3.57%; /\*margin top and bottom\*/

5. margin-right: 15%;

6. margin-left: 8%;

7. border: 10px solid #ffab00; /\*surround a border around the whole page : thickness: 10px, border type: solid line\*/

8. border-radius: 10px; /\*curve the edges of the border\*/

9. box-shadow: 0.35% 0.35% 035% #424242; /\*create some shadow around the border\*/

10. }

11. #logo

12. {

13. margin-top: 0.7%; /\*declaring where the margins\*/

14. margin-bottom: 1.42%;

15. margin-left: 0.42%;

16. margin-right: 0.42%;

17.

18. background-image: url("../images/background.JPG"); /\*placing background image\*/

19. background-repeat: no-repeat; /\*for only one background image to appear\*/

20. background-size: cover; /\*for the image to cover the entire place\*/

21. background-origin: border-box; /\*declaring the background not to appear behind the border\*/

22.

23. border: 3px groove; /\*creating border\*/

24. padding: 0.35% 1.42%; /\*spacing between text or image from the border from inside\*/

25. box-shadow: 5px 5px 5px #424242;

26.

27. color: #ffab00; /\*font properties\*/

28. font-style: "High Tower Text", "Arial";

29. font-size: 200%;

30. }

31. #navigation

32. {

33. clear: both; /\*stop the float properties for both left and right\*/

34. margin-top: 0.71%;

35. margin-bottom: 0.71%;

36. margin-left: 0.43%;

37.

38. text-align: center; /\*text to appear in the center\*/

39.

40. background-color: #000;

41. }

42. #navigation a

43. {

44. color: #ffab00;

45. font-size: 120%;

46. font-family: "High Tower Text", "Arial";

47. text-decoration: none; /\*to stop underlining the links\*/

48.

49. display: block; /\*turn the links into individual blocks\*/

50. float: left;

51.

52. padding-top: 1.42%;

53. padding-bottom: 1.42%;

54. padding-left: 2.7%;

55. padding-right: 2.7%;

56.

57. background-color: #424242;

58. margin-bottom: 0.57%;

59. }

60. #navigation a:hover /\*process for what will happen when the pointer hovers over it\*/

61. {

62. color: white; /\*if the pointer hovers above the text will change color\*/

63. }

64.

65. /\*-----------------------------------content-------------------------------------------\*/

66.

67. #content

68. {

69. clear: both;

70. margin-top: 0.7%;

71. margin-left: 0.43%;

72. margin-bottom: 0.7%;

73. }

74. #content .intro img /\*the image in home page\*/

75. {

76. margin-top: 2%;

77. width: 30%;

78. float: left;

79. box-shadow: 0.35% 0.35% 0.35% #424242;

80. }

81. #content dt.home

82. {

83. color: #ffab00;

84. font-size: 200%;

85. margin-left: 35%;

86. margin-right: 0.7%;

87. }

88. #content dd.home

89. {

90. font-size: 150%;

91. margin-left: 35%;

92. margin-right: 0.7%;

93. }

94. #content .intro /\*Intro of ACS in home page\*/

95. {

96. clear: both;

97. float: left;

98. margin-right: 0.35%;

99. margin-left: 0.35%;

100. margin-top: 0.7%;

101. margin-bottom: 0.7%;

102. }

103. #content p

104. {

105. clear: both;

106. font-style: "Times New Roman", "Arial";

107. font-size: 120%;

108. margin-right: 0.7%;

109. margin-left: 0.7%;

110. }

111. #content .socialmedia p

112. {

113. margin-left: 45%;

114. color: #ffab00;

115. font-size: 200%;

116. }

117. #content .socialmedia img

118. {

119. margin-left: 37%;

120. width: 20%;

121. }

122. #content .socialmedia video

123. {

124. width: 80%;

125. margin-left: 12%;

126. }

127. #content .info p

128. {

129. font-size: 120%;

130. margin-left: 25%;

131. }

132. #content p.Links /\*For the links at the bottom of the home page\*/

133. {

134. margin-top: 1%;

135. margin-left: 22%;

136. margin-right: 25%;

137. text-align: center;

138. font-size: 110%;

139. }

140.

141. /\*------------------------------------forms---------------------------------------------------\*/

142. #content form /\*Forms from home page and Join Us Now page\*/

143. {

144. width: 35.7%;

145. position: center;

146. margin-left: 28%;

147. margin-right: 21.43%;

148. border: 1px solid #fff;

149. box-shadow: 5px 5px 5px #424242;

150. font-size: 120%;

151. text-align: left;

152. }

153.

154. /\*---------------------------JoinUsNow(link)--------------------------------------\*/

155. #content .sociallink img

156. {

157. width: 80%;

158. margin-left: 5%;

159. }

160. /\*-----------------------from Calculator-------------------------\*/

161. #content .Calculator

162. {

163. color: #ffab00;

164. text-align: center;

165. font-size: 180%;

166. }

167.

168.

169. /\*---------------------------------content for Charity Events----------------------------------\*/

170. #content\_CE

171. {

172. clear: both;

173. margin-top: 0.7%;

174. margin-left: 0.43%;

175. margin-bottom: 0.7%;

176. }

177. #content\_CE h1

178. {

179. color: #ffab00;

180. font-size: 250%;

181. }

182. #content\_CE dl

183. {

184. border: 3px double #ffab00;

185. box-shadow: 3px 3px 5px #424242;

186. margin-top: 2%;

187. margin-bottom: 2%;

188. margin-left: 3%;

189. margin-right: 3%;

190. padding: 1.5%;

191. }

192. .news a

193. {

194. font-size: 100%;

195. }

196. .news dt.main

197. {

198. color: #ffab00;

199. font-size: 220%;

200.

201. margin-left: 35%;

202. margin-right: 10%;

203. }

204. .news dt.eventname

205. {

206. color: #ffab00;

207. font-size: 180%;

208. margin-left: 35%;

209. margin-right: 10%;

210. }

211. .news dd

212. {

213. font-size: 150%;

214. margin-left: 35%;

215. margin-right: 10%;

216. }

217. .news img

218. {

219. float: left;

220. margin-top: 2%;

221. margin-left: 5%;

222. width: 20%;

223. }

224. /\*---------------------------Content for News and Reviews----------------------\*/

225. #content\_NR

226. {

227. clear: both;

228. margin-top: 0.7%;

229. margin-left: 0.43%;

230. margin-bottom: 0.7%;

231. }

232. #content\_NR h1

233. {

234. color: #ffab00;

235. font-size: 250%;

236. }

237. #content\_NR dl.news

238. {

239. border: 3px double #ffab00;

240. box-shadow: 3px 3px 5px #424242;

241. margin-top: 2%;

242. margin-bottom: 2%;

243. margin-left: 3%;

244. margin-right: 3%;

245. padding: 1.5%;

246. }

247. #content\_NR .news dt

248. {

249. color: #ffab00;

250. font-size: 180%;

251. margin-left: 35%;

252. margin-right: 10%;

253. }

254. #content\_NR dt.sub

255. {

256. color: #ffab00;

257. font-size: 130%;

258. margin-left: 35%;

259. margin-right: 10%;

260. }

261. #content\_NR .news dd

262. {

263. font-size: 150%;

264. margin-left: 35%;

265. margin-right: 10%;

266. }

267. #content\_NR .news img

268. {

269. float: left;

270. margin-top: 1%;

271. margin-left: 5%;

272. width: 12%;

273. }

274. /\*----------------------------Content for Fund Raising--------------------------\*/

275. #content\_FR

276. {

277. clear: both;

278. margin-top: 10%;

279. margin-left: 0.43%;

280. margin-bottom: 0.7%;

281. }

282. #content\_FR h2

283. {

284. color: #ffab00;

285. font-size: 180%;

286. text-align: center;

287. }

288. #content\_FR p

289. {

290. margin-top: 3%;

291. margin-right: 0.7%;

292. margin-left: 10%;

293. font-style: "Times New Roman", "Arial";

294. font-size: 150%;

295. }

296. #content\_FR .graph img

297. {

298. margin-left:25%;

299. width:40%;

300. border: 3px solid #424242;

301. }

302. #content\_FR dl

303. {

304. margin-top: 3%;

305. margin-right: 0.7%;

306. margin-left: 10%;

307. font-style: "Times New Roman", "Arial";

308. font-size: 150%;

309. }

310. #content\_FR dt

311. {

312. color: #ffab00;

313. font-size: 120%;

314. margin-left: 15%;

315. margin-right: 10%;

316. }

317. #content\_FR dd

318. {

319. font-size: 100%;

320. margin-left: 15%;

321. margin-right: 10%;

322. }

323.

324. /\*--------------------------------------------------------------------------------------------\*/

325.

326. #footer

327. {

328. width: 99.56%;

329. clear: both;

330. margin-top: 2%;

331. border: 2px solid #424242;

332. text-align: center;

333. background-color: #424242;

334. font-size: 130%;

335. font-family: "High Tower Text", "Arial";

336. color: #ffab00;

337. }

Task – 3 Testing

Website Validation by W3C

Figure (3.1.1)

Error: This is seen in every page of the whole website. This kind of error appears due to the difference in windows. The website was asked to create with a different value or version.

Solution: use another version to open the HTML

Figure (3.1.2)

Error: The image tag cannot be placed inside a dl tag (detail list).

Solution: In order to display an image inside that dl tag without error, an object tag can be used.

Figure (3.1.3)

Error: lang=”en” missing in the page

Solution: should write that at the top of the page.

Figure (3.1.4)

Error: The tag input with type date is not supported on some browsers.

Solution: Should try to use a polyfill instead of input type date.

Figure (3.1.5)

Error: the starting p tag is not found

Solution: put a starting p tag

Figure (3.1.6)

The first error is due to different HTML versions. This is written for HTML 5.

The second error is due to some attributes having no height or width setting.

The website has only three low error for mobile version.

Different between two browser

When the websites are run using different browsers or devices, some changes will occur to the appearance and function of the website.

1. Difference with input tags

Figure (3.2.1) in mobile browser

Here the input with date type is with a down arrow on the side and it works. And the text boxes, the left border of the text box is missing.

Figure (3.2.2) in Microsoft edge

As for here, there is no down arrow. But the tag works. All the borders of the text box is visible. The text box is a plain white box.

Figure (3.2.3) in google chrome

In google chrome, the input works. The text box is wholly visible. But the text field can alter in size.

2. Differ in video layout

Figure (3.2.4) in chrome

The video design is not the same as in Microsoft edge. The bar is white and there are only four icons and settings on the bar.

Figure (3.2.5) in Microsoft edge

The video bar is not the same as in google chrome. The number of icons and the shape and design of the icons on the video is different.

Figure (3.2.6) in mobile browser

There is no bar on the bottom of the video at the start. And the video appears sideways in this browser.

Task – 4 Critical Evaluation

Advantages and disadvantages of multimedia file formats

For image multimedia, there are several different types of file formats PNG (Portable Network Graphic) and JPEG or JPG.

As for videos, there are different formats: mp4 and AVI (Audio Video Interleaved).

Advantages and Disadvantages of GIF, PNG and JPEG or JPG

File formats Advantages Disadvantages

PNG

Good for logos, icons and flat areas

Better compression rate than GIF

Smaller image and file size than GIF Not good for photographic

Not supported well on old version of phones

JPEG or JPG

Used for images for photographic and images with millions of colors

Very high details with high quality image When compressed information will be lost and the image, text, color and lines may blur

Not good for logos and icons

(Krynin, 2018) (tbwhs, 2017)

Advantages and Disadvantages of mp4, AVI

File Formats Advantages Disadvantages

Mp4 Used for video streaming on the internet

Loose less quality even with high degree of compression Not easy to edit

AVI High audio fidelity

Can easily create files into AVI file formats If not compressed will result with very large file size

If compression passes limit, the video will decrease in quality

(Lee, 2017) (ByteScout, 2006-2018)

Advantages and disadvantages of multimedia file elements

For images, the elements such as img and object tags can be used.

The img is a standalone element which is put inside another element to be valid.

The object tag needs to specify what application must be used to display the file. This tag can be given parameter.

About the Website

Advantages of this website

The coloring, background and the contents are made to look simple. The texts which are written in this website uses Times New Roman if not Arial. Only those in the logo, navigation, headings or titles and the footer uses High Tower Text. Since the texts are written in Arial or Times New Roman the users will not have difficulties in reading.

Disadvantages of this website

It is also very simple. The contents and the designs are not eye catching. Some of the users might get bored quickly.

The navigation is too shallow with many links spreading in the navigation bar, they should be hierarchically organized. The navigation is not very easy to navigate. There is also no bread crumbs so it’s not very easy to know which page the user is at.

This website is not able to be used by disabled users. For blind users, there are no audio files telling them what to do.

Future Amendments

The background and the borders can be changed in color or put a background picture and the buttons will be with icons to make the website look more interesting.

Some bread crumbs navigations should be added to it. When the users use the website, they will easily be able to find out which page they are at. The navigation will be organized into hierarchical order to prevent information chunking.

Some audio files will be added. For example, an audio file which navigates the user what to do especially for the blind users.

Accessibility of the mobile user

This website is able to use in mobile. The sizes of the contents of the whole website are in percentage so it can easily be resized according to the screen size.