Naturally Sandwell

GitHub Repository: https://github.com/Danbob81/naturally_sandwell

Deployed website: https://danbob81.github.io/naturally_sandwell/

Scenario

A group of residents living in Sandwell, in the Black Country, West Midlands wish to organise group meet-ups to share their passion for the wildlife they find in the green spaces in their local area. The group is to be open to all people regardless of age, gender, disability, ethnic background etc. They require a website to enable them to open up the group to enable more people to join them.

Task

To build a website which clearly and concisely guides the user to find information that they would need to:

- Learn about the group – it's aims/ideals
- Find out when and where meet-ups/activities will be happening
- Who particular activities will be suitable for – i.e. families, individuals, groups, physical abilities
- Find out about particular locations (including map/directions) where activities are planned
- Join the group to keep updated with the latest information (via email and/or phone)

Action

I created the website using VSCode and GitHub. Some Bootstrap was used for the layout as well as the modal and carousel components. I used Google Fonts for the heading and main text. Font Awesome was used for the icons.

Steps taken to create the website:

- Create initial index.html page layout
- Create Navigation bar in the header
- Create style.css page and add some style to the navigation bar as well as set out overall font styles for the site
- Create footer with social media links and style in CSS

- Copy html from home page and paste into two new pages to create locations.html and signup.html with the same header/nav bar and footer sections across the whole website
- Add main hero image with text overlay to index.html, style in CSS
- Add background image for meet up section
- Add four sections within the meet up section with headings and text, style all in CSS
- Add image and text to 'about' section in index.html, style in CSS
- Add text to locations.html
- Add Bootstrap carousel component for park images and iframe section, for Google map, to locations.html, style in CSS
- Add Bootstrap modals, linked to each of the four sections within the meet up section, to give more information for each meet up activity, style in CSS
- Add images to carousel, edit park information section text, style in CSS
- Add form to signup.html page, style in CSS
- Create additional page, confirmation.html, to link to form submit button to give user confirmation that the form has been submitted
- Add background image and text to confirmation.html, style in CSS
- Add pdf download to modal for 'Dawn Chorus'

Throughout the process I used the Google Chrome Developer Tool to help with CSS styling and to assist me in making site elements, and the overall site, responsive when viewed on various screen sizes i.e. desktop, tablet, mobile.

I made CSS style, and a few layout, adjustments as I went along.

A more precise record of the process can be seen via the commit messages in my Naturally Sandwell GitHub repository.

I used Google Maps via the following method:

- Open Google Maps and search 'West Smethwick Park'
- Click 'Share'
- From 'Share' pop-up, select 'Embed a map'
- Select size from drop-down menu and click 'Copy html'
- Paste copied code snippet into locations.html

Result/Test

For testing the different viewport sizes for desktop and laptop views, tablet views and mobile views, I used the Google Chrome Developer Tool. I used this throughout the development process as well as for testing the website once it was deployed to GitHub Pages.

The website was also tested using Chrome, Edge and Firefox as well as on mobile (using Chrome for Android).

Black box testing was carried out on final deployed website as shown below:

Test No.	Test Feature	Expected Result	Actual Result (Pass/Fail)	Comments
1	Open/Launch website	Website opens and displays the Homepage	Pass	Tested in Chrome, Edge & Firefox
2	Logo/Company name	Logo/company name available in stipulated colour	Pass	
3	Font colour/sizes/Styles	Font colour/sizes/styles as expected	Pass	
4	Finished website layout	Finished website layout matches planned layout	Pass	
5	Images	Images display as expected	Pass	Including within carousel feature
6	Intra-link within a webpage (using text/image as the link medium)	Hyperlinks user to a different section of the same webpage or pop-up/modal within the same page	Pass	Modals
7	Inter-link across webpages in the same website (using text/image as the link medium)	Hyperlinks user to a different webpage within the same website	Pass	
8	External-link across webpage onto a different website (using text/image as the link medium)	Hyperlinks user to a webpage in a different website	Pass	All links open external page in a new tab
9	Download link	Downloads pdf file as expected	Pass	
10	Sign up page	Sign up page available with correct, expected details	Pass	
11	Sign up form if available, checked, works and links	Sign up form works and links as expected	Pass	Links to confirmation page which also links user back to sign up page
12	SPaG / Proof-reading	Spelling, Punctuation and Grammar all correct	Pass	

Reflections/Evaluation

I have met the requirements of the client by creating a website which showcases their group and enables other like-minded people to join them. This can be seen from the test results above.

If I were to expand or recreate the website I would do so by including a member's area where people can submit their own wildlife photos to a gallery and perhaps a chat function where members can interact with each other online.