## Planning Analysis Sheet

### Website Goal

This website aims to target nature lovers, focusing the fauna available in Ireland. On this page, users can learn about the different species living in the different elements – air, water and land – learn about endangered species, have fun discovering which animal are they when clicking the quiz button as well as providing their favorite animal alongside the reason of their choice.

**URL:** <https://lra2001.github.io/irishWildlife/>

### Page Structure & Information Needs

This website was created as a single page website, separated by sections as detailed below:

|  |  |
| --- | --- |
| Section | Purpose & Key Information |
| Darkmode Toggle | Allows user to select dark/light mode on the page. Selection is saved on local cache to ensure preference is saved/displayed according to user preferences |
| Automatic Slideshow | This slideshow runs through a series of 6 photos, switching to the next one every 3 seconds. It contains the image number and the name of the animal being displayed |
| Animals by Element | Animals list is displayed as user selects the element they want to explore (air, land or water) |
| Endangered Species | Provides a small list of endangered species in Ireland |
| Quiz | When user clicks the button, a random animal is selected from the array in Javascript and presents the answer telling user what animal they are |
| Form | User types their favorite animal and the reason of their choice. Once the submit button is clicked, user gets a response thanking them for their answer and what the answers were |

### Sources

#### Code

* W3Schools and Stack Overflow for HTML, CSS and Javascript
* Validate HTML and CSS - <https://validator.w3.org/>
* CSS External Stylesheet - <https://www.w3schools.com/css/css_external.asp>
* HTML <script> src Attribute - <https://www.w3schools.com/TAgs/att_script_src.asp>
* Font Awesome - <https://fontawesome.com/kits/5860ee4324/setup>
* Introduction to the DOM - <https://developer.mozilla.org/en-US/docs/Web/API/Document_Object_Model/Introduction>

#### Colors

* Complementary Color Schemes - https://www.w3schools.com/colors/colors\_complementary.asp
* Khroma - <https://www.khroma.co/generator>
* Coolors - <https://coolors.co/6495ed-dbc7be-161925-23395b>
* HEX to RGBA Converter - <https://codebeautify.org/hex-to-rgba-converter>
* Canva Color Wheel - <https://www.canva.com/colors/color-wheel/>

#### Buttons

* CSS Buttons - <https://www.w3schools.com/css/css3_buttons.asp>
* JavaScript HTML DOM EventListener - <https://www.w3schools.com/js/js_htmldom_eventlistener.asp>
* Difference between DOMContentLoaded and load Events - <https://www.geeksforgeeks.org/difference-between-domcontentloaded-and-load-events/>

#### Darkmode

* How TO - Toggle Dark Mode - <https://www.w3schools.com/howto/howto_js_toggle_dark_mode.asp> Dark Mode UI Best Practices - <https://www.designstudiouiux.com/blog/dark-mode-ui-design-best-practices/>

#### Images

* Slideshow - <https://www.w3schools.com/howto/howto_js_slideshow.asp>
* Stock Images from Pexels - <https://www.pexels.com/>
* Convert image type to WebP - <https://www.freeconvert.com/webp-converter>
* Image Resizer - <https://imageresizer.com/>
* Create Logo - <https://www.canva.com/>
* Convert to favicon - <https://favicon.io/favicon-converter/>

#### References

* Hidden Ireland - <https://hiddenireland.com/flora-and-fauna-wildlife-along-the-wild-atlantic-way/>
* Wilderness Ireland - <https://www.wildernessireland.com/blog/irelands-marine-coastal-wildlife/>
* National Parks of Ireland - <https://www.nationalparks.ie/>
* National Biodiversity Data Centre - <https://biodiversityireland.ie/top10/10-species-at-risk-of-losing/>

### Tools

* GitHub and GitHub Desktop
* VsCode
* Figma:
  + Wireframe for Desktop: <https://www.figma.com/design/EmLHe6Tj4bT2RDl23qDJSo/Irish-Wildlife?node-id=1-3&t=GN7mcrzpN0PMbnIq-1>
  + Wireframe for Mobile: <https://www.figma.com/design/EmLHe6Tj4bT2RDl23qDJSo/Irish-Wildlife?node-id=2-148&t=GN7mcrzpN0PMbnIq-1>
  + Sitemap: <https://www.figma.com/design/EmLHe6Tj4bT2RDl23qDJSo/Irish-Wildlife?node-id=2-191&t=GN7mcrzpN0PMbnIq-1>
* Planning Analysis – Microsoft Word