STREAM 1 PROJECT

This doc is to show the thought that has gone into the site design and the structured way in which the design/experience and manual testing has been approached. This may seem overkill for such a small site, but it serves as an illustration of awareness that a structured approach needs to be taken with Web Development projects, and demonstrate my ability to step through one of those approaches and apply it to a real life example.

Site:
The idea behind this site was for it to be a portfolio site through which I could demonstrate competency in basic Web Development skills to a future employers, providing a contact form through which they could contact me. The website has a dual purpose of being a piece of graded project work an as such I had to be aware that there were two distinct primary audiences it was addressing.

Users

ACTOR & GOAL
- **Website Browser**: Browses website looking at different pages and absorbing content

USER ROLE
- **Potential Client:** Looks at site for quality of delivery and ease of use.
- **Exam Assessor:** Assesses site against course grading criteria.

USER PROFILE
- **Users:** 5-10 clients/assessors visit this website monthly
- **Activities:** Browsing
- **Computer Skills:** Moderate to expert
- **Domain expertise:** Typical users (clients/assessors) will have used websites before.

PERSONA
Due to the limited scope of this site, specific personas have not been developed but this has been kept in to acknowledge that it is a part of the development process that should be considered.

User Experience

Strategy:
Business/Website goals drive who is going to use it and where it is going to be used, it is this that develops strategy.

Website Goals:
To show my competency in developing a basis websites to future employers

To show my competency to the examination board (via their marking criteria).

To show/explain good practice has been followed, such as:
- **Design**
  - Garrets Elements of UX Stack
  - Usability Heuristics (where applicable)

- **Coding:**
  - W3C HTML/CSS compliant
  - Cross browser compatibility (HTML/CSS/JS)
  - Semantic MarkUp
  - Modular Coding
  - Scripts at bottom of body
  - External CSS/JS and JS in scripts folder

To showcase one of my interests (scenic photography/video)

Who is going to be using it?
Exam board (for Certificate)
Prospective/Future free portfolio builders (charities or good causes)
Prospective/Future Employers
Friends/Family

Where will it be used?
- **Mobile phone** – *Friends/Family, viewing in social context with them, exam board for assessment purposes (i.e mobile friendly design).*
- **Tablet** – *Friends/Family viewing in home context, some employers might use tablets for profile/portfolio browsing, exam board for assessment purposes (i.e tablet friendly design) and potentially charities for portfolio review.*
- **Laptop/Desktop** – *Employers for profile/portfolio browsing, charities for portfolio review, exam board for assessment purposes, possibly friends/family for home viewing.*

User task-centric Scope:
What tasks will the users want to be able to do?
- Access social media links
- Contact me through form
- Browse
  - Navigate Site (no need, too small for breadcrumb or site map)
  - Browse Photos/Videos
    - By location

Structure:
The structure of the site was clear as it is of such small size.

Skeleton:
The page skeletons were wireframed in LibreOffice Impress.

Surface:
This can be seen as you browse the site

Manual Testing
This is an overview of the manual testing carried on the site.

Functionality Testing:
- **Test the outgoing links from all the pages**
  - w3Schools link on home page, OU links to twitter, facebook and youtube
- **Test all internal links.**
  - Menu links, each pages menu goes to the right page.
- **Test photo viewer**
  - Test that the user can't select previous/next before selecting location
  - Test that the photos for each location cycle round (no end of array issues)
  - Test that you can stop half way through one photo gallery and view another

- **Form**
  - Test the user can't put in a single character in first/last name fields
  - Test the user can't put in a numeric within the first/last name fields
  - Test the user can only enter a HTML5 validated email in email field
  - Test that user can't input a date before current date in start date field
  - Test that user can't input a day greater that 31 in start date field
  - Test that user can't input a day less than 1 in start date field
  - Test that user can't input a month greater that 12 in start date field
  - Test that user can't input a month less than 1 in start date field
  - Test that user can't input a year greater than 2029 in start date field

- **Validating your HTML: https://validator.w3.org/**
  - HomePage:
  - Media Page:
  - Profile Page:
  - Contact Page:

Compatibility Testing:
Browser compatibility
- Firefox
- Chrome
- IE
- Safari

Operating system compatibility
- Win10
- macOS

Responsiveness
Physical Devices:
- Tablet (iPad and Android)
- Laptop (Windows)
- Desktop (macOS)

Software Simulations (simulating an array of different device types/sizes):
- Device Toolbar (Within Google Chrome's web developer tools).
- Responsive Design Mode (Within FireFox web developer tools)