



WEB DEVELOPMENT

Task 2: Design Implementation

2024/25 Competition

Competition Duration 	<p>This assessment has a <u>2.5 hour</u> time limit.</p> <p>Ensure your files are submitted prior to the deadline. Late submissions will not be entered.</p>
Resources 	<p>This is a closed book assessment.</p> <ul style="list-style-type: none"> • No internet access or external resources are permitted in this assessment. • Your work must be entirely your own. Templates, website builders, asset generators or toolkits must not be used.
Hardware/Software 	<p>You will be provided with a selection of Web IDEs to complete this task.</p> <p>We recommend the following:</p> <ul style="list-style-type: none"> • Visual Studio Code (Recommended) • PHPStorm • Web Storm
Submissions 	<p>Your files will be submitted online.</p> <ul style="list-style-type: none"> • Ensure your work is clearly labelled as instructed. • Allow plenty of time to upload your work before the deadline. • If you are unable to submit your work, please let us know ASAP.
Contact Information 	<p>Competition Organisation Partner</p> <p>Olivia Sills Coleg Sir Gar</p> <p>olivia.sills@colegsirgar.ac.uk</p> <p>TP Designer</p> <p>Val Adamescu</p> <p>val.adamescu@port.ac.uk</p>



Introduction

You have been recruited to build a website for Apertura Studio, a small photography business owned by Alexander Guirerra, a professional photographer specializing in fashion and portrait photography. Although Alexander has a clear vision and has already selected a design for his site, he lacks the technical expertise to bring it to life on the web. Your task is to develop the website based on the provided design, ensuring it meets modern standards of usability, accessibility, and responsiveness. This project will require you to transform static design files into a fully functional, interactive website that effectively showcases Apertura Studio's services and Alexander's portfolio.

Colours

dark-bg	secondary-dark	main-colour	variation	light-grey
#111111 (17, 17, 17)	#222222 (34, 34, 34)	#DF4343 (223, 67, 67)	#DC3232 (220, 50, 50)	#AAAAAA (170, 170, 170)
#111111	#222222	#DF4343	#DC3232	#AAAAAA

These are the key colours needed for the site. Transparency/filters may be applied as needed.

Fonts

Two fonts are used throughout the website. The files are within the **assets/fonts** folder. These fonts should not be installed on the computers, instead, they should be linked using CSS.

- **Open Sans**
- **Font Awesome**

To save time, a pattern for the colours and the fonts importing structure was provided in the **assets** folder (patterns.css).

Images

All images, icons and logos have been provided. Do not modify the photos/images: Any image manipulation should be completed using CSS/JS.



DESCRIPTION OF PROJECT AND TASKS

Task 1 of 1: Single Page Website

This website consists of one web page (index.html). Additional CSS file(s) and JavaScript file(s) should also be created.

*Everything that you need can be found within the **assets** folder (images, fonts, texts and patterns). You should not need to edit images using image editing software, as you need to use CSS/JS where necessary.*

HTML5 and external CSS should be used throughout the page. The HTML CSS and JavaScript pages should utilise comments to make sense of classes and styles used.

You should aim to create your site as close to the provided design/image as possible (pixel perfect concept). In addition, you should aim to make this site mobile compatible (responsive). The responsiveness will be assessed using Developer Tools with a mobile view of 430px width.

- There are several favicons included. You must use at least one format and correctly attach to your page.
- The page title should be “*Apertura Studio - Capturing Style, Crafting Stories*”
- The “Author” meta tag should be set to your name and college/training provider.
- ALL images should be stored in a subdirectory named “img”
- ALL fonts should be stored in a subdirectory named “fonts”
- ALL JavaScript and CSS code should be in their specific folders

Your code quality and best practice is also assessed throughout this brief, e.g. accessibility, efficiency, folders & code structure and layout.



Section 1: Header/Navigation

All elements should fit in a 1200px container, but some of them will be 100% screen width. Watch design and videos closely.



The logo must be left side, and it has a maximum width of 150px. The navigation links should be placed on the right of the container and utilise an unordered list. The nav text size is 16px, with an underline bar for active element, using normal body font OpenSans. Text is white by default, with a hover colour change to #DF4343 and 2px solid bottom border. Between navigation links is a gap of 40px.

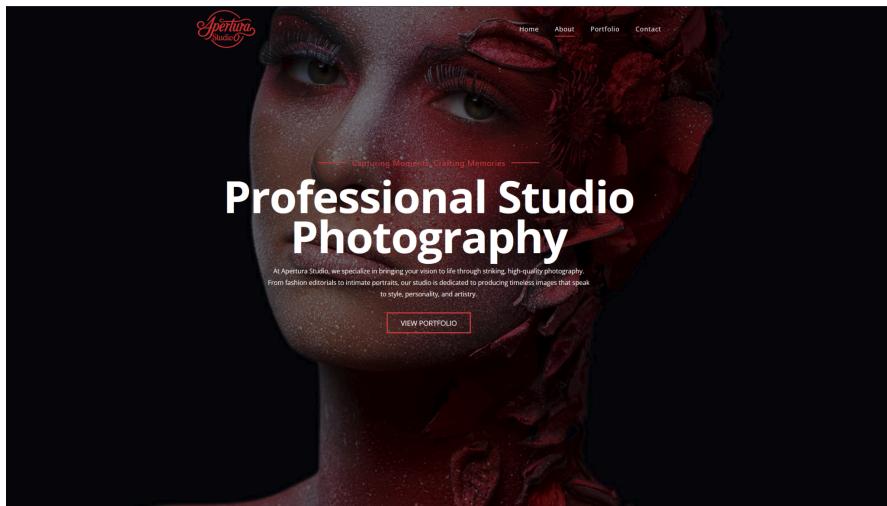
- HOME
- ABOUT
- PORTFOLIO
- CONTACT

Every link will scroll smoothly to their respective section based on id (see video for animation behaviour).

The header has a semi-transparent black background (#111111 at 90% opacity) with a blurred effect applied on scroll (see `assets/media_samples/video_sample.mp4` for animation behaviour and `assets/media_samples/buttons.mp4`).



Section 2: Home/Hero



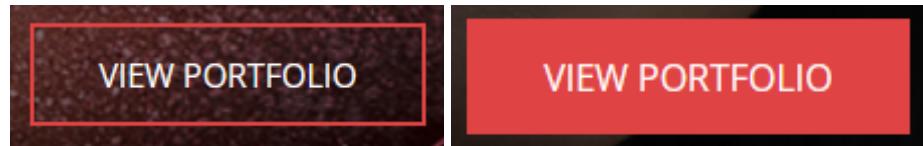


The home section should have a height and width of 100%. The background images should be applied so that it does not stretch/skew or alter its aspect ratio.

The home page have a simple transition between 3 images with a slight zoom (see [assets/media_samples/video_sample.mp4](#)) for the full effect.

The heading text should use H1 with **7rem** (112px) and centred both horizontally and vertically.

The button “**VIEW PORTFOLIO**” button should have a transparent background with a 3px red border and a horizontal padding of 2rem and vertical 0.7rem. Text should be styled to match the supplied example. The button should link to the portfolio section (see [assets/media_samples/buttons.mp4](#)).



Section 3: ABOUT

A screenshot of a website's "About" section. It features a large, dark-toned portrait of a man with long hair and a beard. To the right of the portrait, the text "HI I'M ALEX" is displayed above the title "Professional Photographer". A bio text follows, describing the individual's passion for fashion and portrait photography. Below the bio is a handwritten-style signature "Alexander Guirerra". At the bottom, there are four small circular icons with social media symbols: a gear, a person, a previous arrow, and an Instagram icon.

The ABOUT section has a gradient background from bottom-left to top-right (red to black) that has 100% width. The content has 100px top & bottom and is centred in the container.

```
background-image: radial-gradient(at bottom left, var(--accent-color) 0%, transparent 70%);
```

The “Professional Photographer” titles is an H4. The icons (font-awesome) are ‘dribbble’, ‘behance’; ‘x’-previous Twitter; ‘Instagram’. The signature is provided in [assets/images/about](#).

The social media icons have a hover effect where the background is filled by the primary colour (see [assets/media_samples/buttons.mp4](#)).



Section 4: PORTFOLIO

OUR PORTFOLIO

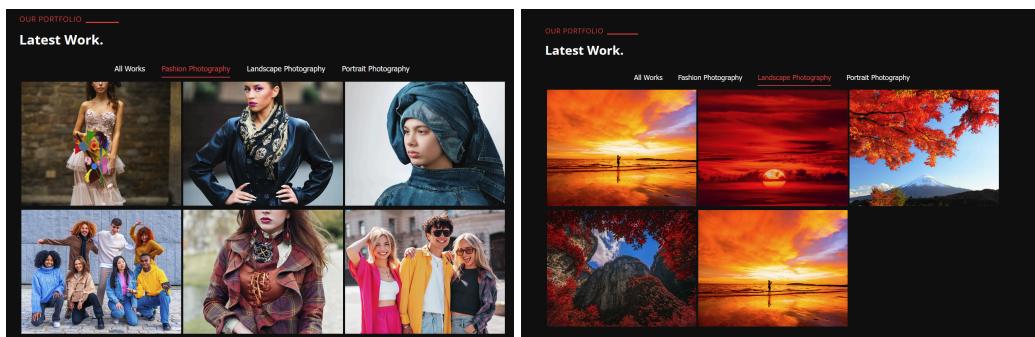
Latest Work.

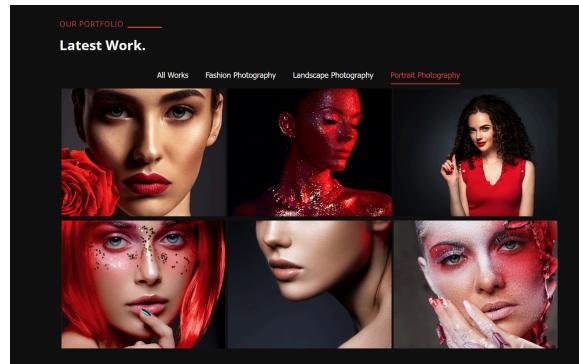
All Works Fashion Photography Landscape Photography Portrait Photography



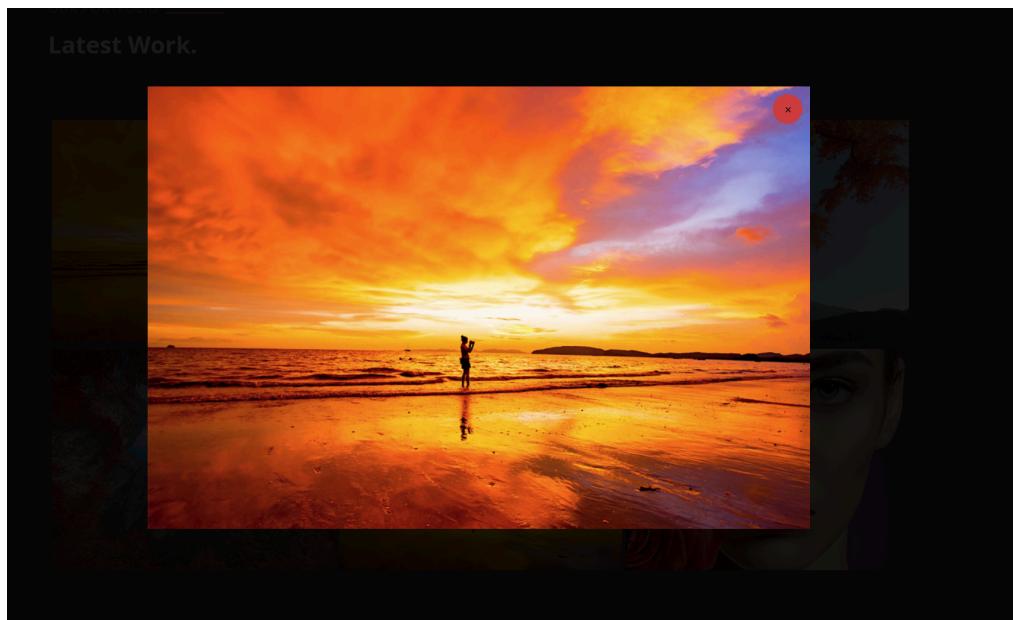
[VIEW MORE](#)

The section will match the ABOUT width. There are images that can be filtered based on categories ('All Work', 'Fashion', 'Landscape', 'Portrait') and the active category will have an underline. The default will be always 6 images and the 'VIEW MORE' button will load more images. (see [assets/media_samples/portfolio_filtering.mp4](#)) for the full effect.





When click on any of the images, a modal will appear with full size of the picture and a 90% darkened background. It can be closed either by clicking outside the picture, using the close button or pressing ESC.



SECTION 5: CURRENT CUSTOMERS



The current customers section at page load (provided in *assets/images/Logos*) logos are scrolling in a continuous smooth scroll from left to right with the full width of the screen (see *assets/media_samples/customers_section.mp4*). Logos have a height of 80px and a top/bottom padding of 60px.

Section 6: Contact

GET IN TOUCH

Contact Us.

For inquiries, bookings, or to discuss your project ideas, feel free to reach out! I'm here to help bring your vision to life and answer any questions you may have.

Phone
123 123 1234

Email
hello@apertura.co.uk

Website
www.apertura.co.uk

Address
Usk Way, Newport NP20 2BP

This page has been divided into two equal sections of the container (50%) with 4rem top and 1rem margins padding.

Contact form:

A contact form has been designed using the fields below, The additional text is provided in the *assets/media_samples/texts.txt* file.

NOTE: The contact form does not need to work/send emails for this task.

Required fields:

- Name
- Email Address
- Message
- ‘Send Message’ (Submit button)

The submit button initially has a transparent background with a 2px border, and on hover the background becomes full (see *assets/media_samples/buttons.mp4*)

Your contact form should utilise HTML5 form validation: All fields should be required, with suitable input type and validation applied to each field. The icons are font-awesome icons

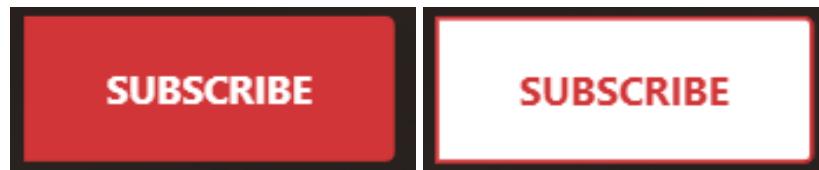
```
fa-solid fa-phone  
fa-solid fa-envelope  
fa-solid fa-earth-asia  
fa-solid fa-location-dot
```

Section 6: Newsletter



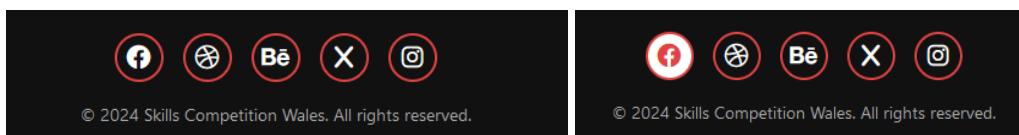
The newsletter section has a background image (*assets/images/background.jpg*) that is 100% width and a minimum 400px height of the screen size, padding 4rem 1rem. Between background and content is a black overlay with 0.8 transparency.

The email address should have the validation for emails addresses, and the submit button has a hover effect. The initial colour of background is red with white text, and on hover the background and text are swapped, keeping a 2px solid border of the main colour (see *assets/media_samples/buttons.mp4*).



Section 7: Footer

In the footer section, social media icons are white with a transparent background and a red 2px border. On hover, the icon become main colour and the background become white. The border is kept (see *assets/media_samples/buttons.mp4*).



The icon used are font-awesome icons

```
fa-brands fa-facebook
fa-brands fa-dribbble
fa-brands fa-behance
fa-brands fa-x
fa-brands fa-instagram
```

The 2025 year should be dynamic (change based on the current year) and not hardcoded.

<< END OF TASKS >>

INSTRUCTIONS TO THE COMPETITOR

Once complete, please save your work in a folder named **XX_task_b** where **XX** is your station number.

MARKING SCHEME SUMMARY

SECTION	CRITERION	JUDGEMENT MARKS	MEASUREMENTS MARKS	TOTAL
B1	Header	1	4	5
B2	Hero Section	2	4	6
B3	About Section	1	4	5
B4	Portfolio Section	2	4	6
B5	Clients Section	1	4	5
B6	Contact Section	1	4	5
B7	Newsletter & Footer Section	1	4	5
B8	Page layout & Responsiveness	3	7	10
B9	Organisation	1	4	5
B10	Validation & Maintainability	2	6	8
Total		15	45	60

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