



Meta-Art Gallery

Web Design and Client Side Scripting
By Ben Thompson



Requirements

Design and build a website for an Art Gallery located within Dublin to provide a professional online presence for clear information on ongoing and upcoming events.

Ensure it has responsive design to enable clear navigation

Feature search engine optimisation.

Use design patterns effectively.

Index.html

- 
- Home
 - Newsletter
 - Exhibitions
 - Contact

Meta-Art Gallery

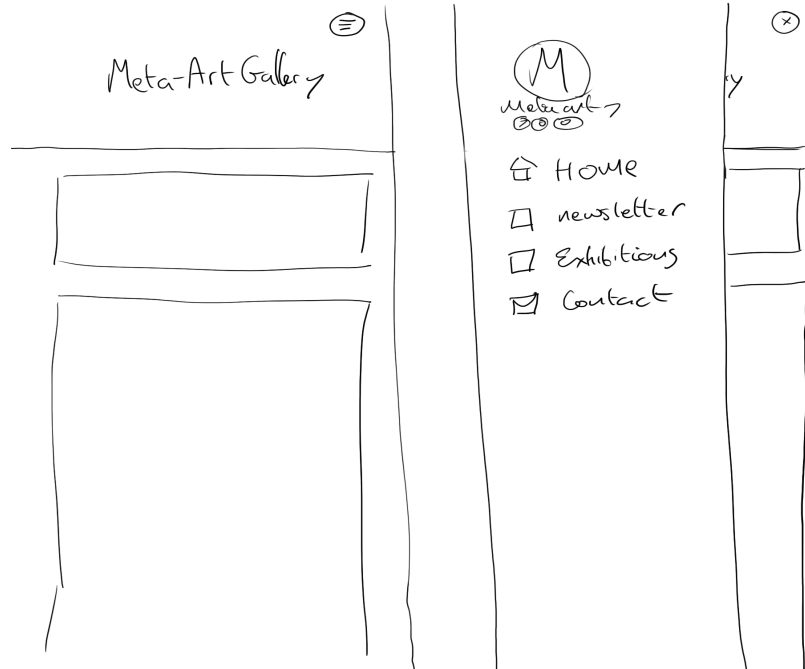
About

Grid Layout used throughout the about page.

Bootstrap

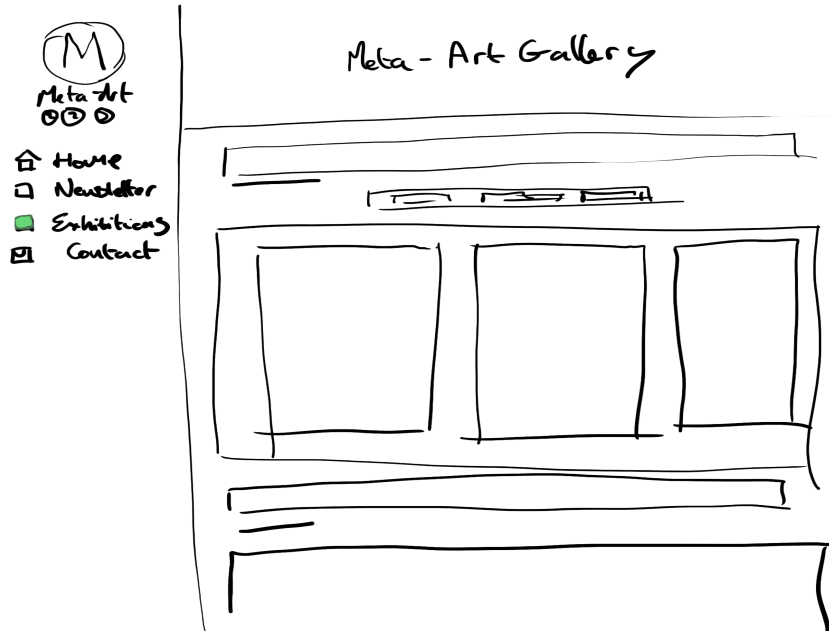


Newsletter.html



Hamburger Button - Responsive design

Exhibitions.html



Navigation Tab - simplified - no hierarchy on site - In a more complex situation could be expanding to include breadcrumbing

Contact.html



Grid Layout

Navigation Tab - simplified - no hierarchy on site -
In a more complex situation could be expanding to
include breadcrumbing



Javascript

Used to toggle the Nav Bar for mobile devices

Form validation

- email Regex query

- check for @



Form Validation

HTML validates the inputs to not be empty and ensures email has @

Form validation

- email Regex query

- check for @



Optimisation

Search Engine Optimisation

Keywords used in meta

Keywords used in content

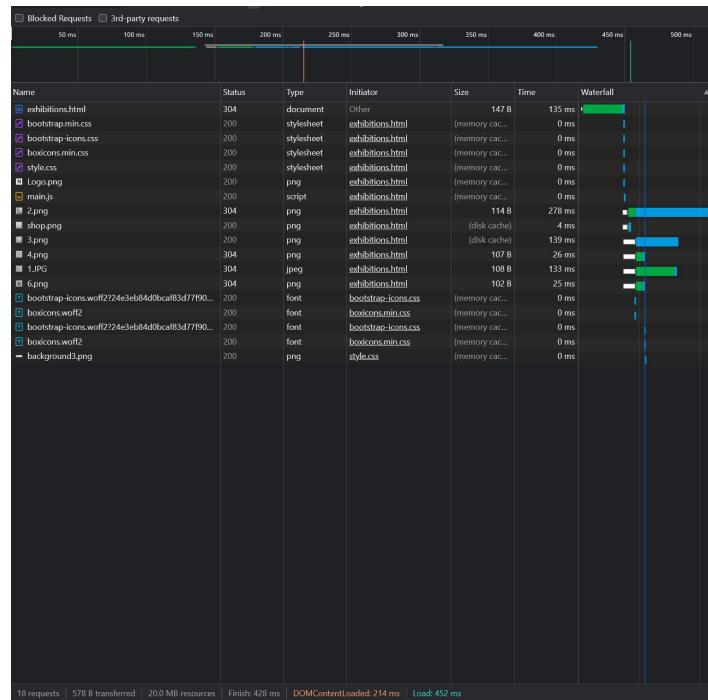
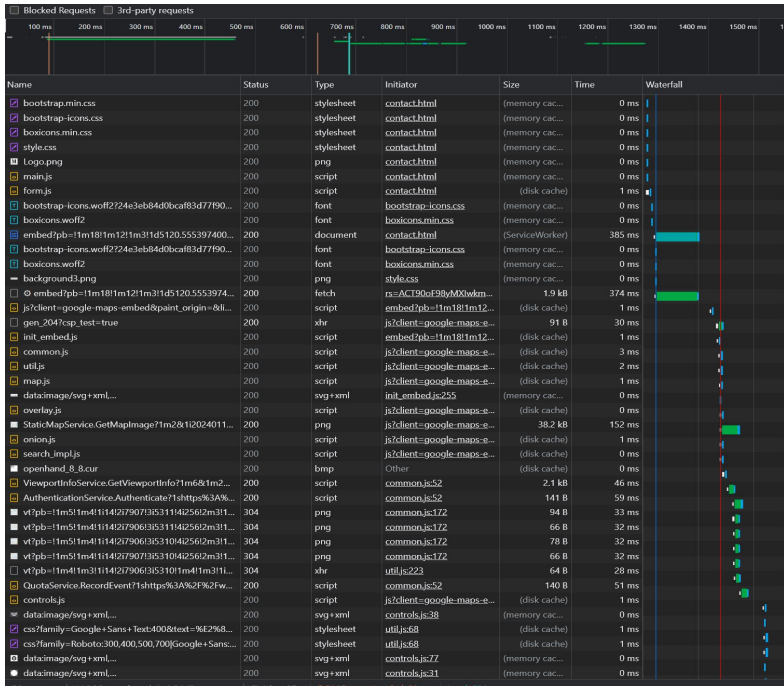
Website Optimisation

Lazy loading of images

Reduced image size

Loading required files only

Ensuring no blocked content trying to load





Performance



Accessibility



Best Practices



SEO



Performance

Values are estimated and may vary. The [performance score](#) is calculated directly from these metrics. [See calculator.](#)

▲ 0-49 ■ 50-89 ● 90-100



METRICS

[Expand view](#)

● First Contentful Paint

0.3 s

● Total Blocking Time

100 ms

● Speed Index

0.5 s

▲ Largest Contentful Paint

12.7 s

● Cumulative Layout Shift

0.05

📅 Captured at Apr 18, 2023, 10:39 PM GMT+1

🖥️ Emulated Desktop with Lighthouse.10.1.0

🔗 Single page load

🕒 Initial page load

⚙️ Custom throttling

👤 Using HeadlessChromium.111.0.5563.146 with lr

[View Treemap](#)





Questions

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