

nathm.net app code pack

HTML5, CSS and vanilla JavaScript source excerpts for each app demo.

This PDF is included so technical viewers can see how the interactive app demos were built. The live project also includes the original source files in the website folders.

apps/booking-planner/index.html continued

```
</label>
<label class="demo-label">Preferred date<input class="demo-input" type="date" name="date">
</label>
<label class="demo-label">Preferred time<select aria-label="time" class="demo-select" name="time">
<option>Morning</option>
<option>Afternoon</option>
<option>Evening</option>
</select>
</label>
<label class="demo-label">Notes<textarea aria-label="Anything useful to know?" class="demo-textarea" name="notes" placeholder="Anything useful to know?">
</textarea>
</label>
</form>
<div>
<div class="output-card" id="bookingOutput">
</div>
<div class="button-row" style="margin-top:.8rem">
<a class="btn btn-accent" id="bookingEmail" href="#">Open email draft</a>
</div>
</div>
</div>
<div class="mini-ad">
<div>
<strong>Your ad here</strong>
<br>
<span>Good spot for a local offer, sponsor or featured service.</span>
</div>
<a class="btn btn-secondary" href="../../index.html#contact">Use this flow</a>
</div>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-inner footer-updated">
<div>
<strong>nathm.net</strong>
<p>Custom-built websites, SEO basics, app-style tools, Cloudflare setup and friendly tech support from Swansea, Wales.</p>
</div>
<nav class="footer-links" aria-label="Footer navigation">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Demos</a>
<a href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../privacy.html">Privacy</a>
<a href="../../assets/downloads/nathm-app-code-pack.pdf" download>App code PDF</a>
<a href="../../assets/downloads/nath-m-cv.pdf" download>CV PDF</a>
<a href="mailto:hello@nathm.net">hello@nathm.net</a>
</nav>
</div>
<div class="footer-note">'<span id="year">
</span> Nathan M. Based in Swansea, Wales. No tracking by default. Ready for HTTPS, Cloudflare, VPS hosting and ongoing updates.</div>
</footer>
<script src="../../assets/js/main.js">
</script>
<script src="../../assets/js/app-demos.js">
</script>
</body>
</html>
```

apps/brand-palette/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Brand palette generator demo | Nathan M</title>
<meta name="description" content="A small brand colour palette generator demo built with HTML5 colour in
put and JavaScript.">
<meta name="robots" content="index, follow">
<link rel="canonical" href="https://nathm.net/apps/brand-palette/">
<link rel="icon" href="../../assets/img/favicon.svg" type="image/svg+xml">
<link rel="manifest" href="../../manifest.webmanifest">
<meta property="og:type" content="website">
<meta property="og:title" content="Brand palette generator demo | Nathan M">
<meta property="og:description" content="A small brand colour palette generator demo built with HTML5 co
lour input and JavaScript.">
<meta property="og:url" content="https://nathm.net/apps/brand-palette/">
<meta property="og:image" content="https://nathm.net/assets/img/og-card.svg">
<meta name="twitter:card" content="summary_large_image">
<meta name="theme-color" content="#171615">
<link rel="stylesheet" href="../../assets/css/main.css">
<link rel="stylesheet" href="../../assets/css/app-demos.css">
</head>
<body>
<a href="#main" class="skip-link">Skip to content</a>
<header class="site-header">
<nav class="nav" aria-label="Main navigation">
<a href="../../index.html" class="logo" aria-label="Nathan M home">
<span class="logo-mark">N</span>
<span>nathm.net</span>
</a>
<div class="nav-links" id="navLinks">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Work</a>
<a class="active" href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../index.html#contact">Contact</a>
</div>
<div class="nav-actions">
<a href="../../index.html#contact" class="btn btn-primary">Get a quote</a>
<button class="menu-btn" id="menuBtn" type="button" aria-expanded="false" aria-controls="navLinks">Menu<
/button>
</div>
</nav>
</header>
<main id="main">

<section class="app-shell">
<div class="app-hero">
<div class="app-panel">
<div class="app-kicker">Design tool demo</div>
<h1>Brand palette generator.</h1>
<p class="app-lead">A simple colour tool for picking a base colour and generating supporting shades. Use
ful for branding pages, design questionnaires or client onboarding.</p>
<div class="button-row">
<a class="btn btn-primary" href="../../apps.html">Back to app demos</a>
<a class="btn btn-secondary" href="../../index.html#contact">Ask about design tools</a>
</div>
</div>
<div class="app-panel dark">
<h2 style="font-size:2.3rem;margin-bottom:.75rem">Could be used for</h2>
<ul class="summary-list">
<li>Client brand questionnaires</li>
<li>Style guide pages</li>
<li>Website customisers</li>
</ul>
</div>
</div>
</section>
<section class="app-shell" style="padding-top:0">
<div class="app-tool" data-palette-app>
<div class="tool-top">
<div>
<h2>Pick a colour</h2>
<p>Click a swatch to copy the hex value.</p>
</div>
<label class="demo-label" style="max-width:220px">Base colour<input class="demo-input" id="baseColor" ty
pe="color" value="#f26b3a">
</label>
</div>
<div class="palette-grid" id="paletteGrid">
</div>
<p class="site-note" id="paletteStatus" style="margin-top:1rem">Tip: click a colour to copy it.</p>
<div class="mini-ad">
<div>
<strong>Your ad here</strong>
<br>
<span>Useful placement for printing, branding, design or photography offers.</span>
</div>
<a class="btn btn-secondary" href="../../index.html#contact">Add a tool like this</a>
```

apps/brand-palette/index.html continued

```
</div>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-inner footer-updated">
<div>
<strong>nathm.net</strong>
<p>Custom-built websites, SEO basics, app-style tools, Cloudflare setup and friendly tech support from S
wansea, Wales.</p>
</div>
<nav class="footer-links" aria-label="Footer navigation">
<a href="../../../index.html">Home</a>
<a href="../../../services.html">Services</a>
<a href="../../../demos.html">Demos</a>
<a href="../../../apps.html">Apps</a>
<a href="../../../cv.html">CV</a>
<a href="../../../privacy.html">Privacy</a>
<a href="../../../assets/downloads/nathm-app-code-pack.pdf" download>App code PDF</a>
<a href="../../../assets/downloads/nath-m-cv.pdf" download>CV PDF</a>
<a href="mailto:hello@nathm.net">hello@nathm.net</a>
</nav>
</div>
<div class="footer-note">'<span id="year">
</span> Nathan M. Based in Swansea, Wales. No tracking by default. Ready for HTTPS, Cloudflare, VPS host
ing and ongoing updates.</div>
</footer>
<script src="../../../assets/js/main.js">
</script>
<script src="../../../assets/js/app-demos.js">
</script>
</body>
</html>
```

apps/calculator/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Working calculator demo | Nathan M</title>
<meta name="description" content="A working HTML5 and JavaScript calculator demo that can be adapted for
a client website or small web app.">
<meta name="robots" content="index, follow">
<link rel="canonical" href="https://nathm.net/apps/calculator/">
<link rel="icon" href="../../assets/img/favicon.svg" type="image/svg+xml">
<link rel="manifest" href="../../manifest.webmanifest">
<meta property="og:type" content="website">
<meta property="og:title" content="Working calculator demo | Nathan M">
<meta property="og:description" content="A working HTML5 and JavaScript calculator demo that can be adap
ted for a client website or small web app.">
<meta property="og:url" content="https://nathm.net/apps/calculator/">
<meta property="og:image" content="https://nathm.net/assets/img/og-card.svg">
<meta name="twitter:card" content="summary_large_image">
<meta name="theme-color" content="#171615">
<link rel="stylesheet" href="../../assets/css/main.css">
<link rel="stylesheet" href="../../assets/css/app-demos.css">
</head>
<body>
<a href="#main" class="skip-link">Skip to content</a>
<header class="site-header">
<nav class="nav" aria-label="Main navigation">
<a href="../../index.html" class="logo" aria-label="Nathan M home">
<span class="logo-mark">N</span>
<span>nathm.net</span>
</a>
<div class="nav-links" id="navLinks">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Work</a>
<a class="active" href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../index.html#contact">Contact</a>
</div>
<div class="nav-actions">
<a href="../../index.html#contact" class="btn btn-primary">Get a quote</a>
<button class="menu-btn" id="menuBtn" type="button" aria-expanded="false" aria-controls="navLinks">Menu<
/button>
</div>
</nav>
</header>
<main id="main">

<section class="app-shell">
  <div class="app-hero">
    <div class="app-panel">
      <div class="app-kicker">HTML5 app demo</div>
      <h1>Working calculator.</h1>
      <p class="app-lead">A real calculator built with HTML, CSS and vanilla JavaScript. It supports key
board input, brackets and the basic operations a client might need for a quote, finance or measurement t
ool.</p>
      <div class="button-row">
<a class="btn btn-primary" href="../../apps.html">Back to app demos</a>
<a class="btn btn-secondary" href="../../index.html#contact">Ask about a custom tool</a>
</div>
      <div class="app-panel dark">
        <h2 style="font-size:2.3rem;margin-bottom:.75rem">What this proves</h2>
        <ul class="summary-list">
<li>Interactive JavaScript, not just static pages</li>
<li>Mobile-friendly controls</li>
<li>Useful for pricing, booking, finance or trade calculators</li>
</ul>
      </div>
    </div>
  </section>
<section class="app-shell" style="padding-top:0">
  <div class="app-tool" data-calculator>
    <div class="tool-top">
<div>
<h2>Try it</h2>
<p>Use the buttons or your keyboard. Press Escape to clear.</p>
</div>
<span class="pill">No external library</span>
</div>
    <div class="calc-shell">
      <div class="calc-display" aria-live="polite">
<div class="calc-expression" data-calc-expression>Ready</div>
<div class="calc-result" data-calc-result>0</div>
</div>
    <div class="calc-grid">
      <button class="calc-btn" data-calc="clear">C</button>
<button class="calc-btn" data-calc="back">â€‹ </button>
<button class="calc-btn" data-calc="(")>(</button>
<button class="calc-btn" data-calc=")">)</button>
      <button class="calc-btn" data-calc="7">7</button>
    </div>
  </div>
</section>
```

apps/calculator/index.html continued

```
<button class="calc-btn" data-calc="8">8</button>
<button class="calc-btn" data-calc="9">9</button>
<button class="calc-btn op" data-calc="/">^</button>
  <button class="calc-btn" data-calc="4">4</button>
<button class="calc-btn" data-calc="5">5</button>
<button class="calc-btn" data-calc="6">6</button>
<button class="calc-btn op" data-calc="*">^ </button>
  <button class="calc-btn" data-calc="1">1</button>
<button class="calc-btn" data-calc="2">2</button>
<button class="calc-btn" data-calc="3">3</button>
<button class="calc-btn op" data-calc="-">â </button>
  <button class="calc-btn wide" data-calc="0">0</button>
<button class="calc-btn" data-calc=".">.</button>
<button class="calc-btn op" data-calc="+">+</button>
  <button class="calc-btn equal wide" data-calc="=">=</button>
</div>
</div>
<div class="mini-ad">
<div>
<strong>Your ad here</strong>
<br>
<span>Good spot for a finance app, accountancy service or local sponsor.</span>
</div>
<a class="btn btn-secondary" href="../../index.html#contact">Use this layout</a>
</div>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-inner footer-updated">
<div>
<strong>nathm.net</strong>
<p>Custom-built websites, SEO basics, app-style tools, Cloudflare setup and friendly tech support from S
wansea, Wales.</p>
</div>
<nav class="footer-links" aria-label="Footer navigation">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Demos</a>
<a href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../privacy.html">Privacy</a>
<a href="../../assets/downloads/nathm-app-code-pack.pdf" download>App code PDF</a>
<a href="../../assets/downloads/nath-m-cv.pdf" download>CV PDF</a>
<a href="mailto:hello@nathm.net">hello@nathm.net</a>
</nav>
</div>
<div class="footer-note">` <span id="year">
</span> Nathan M. Based in Swansea, Wales. No tracking by default. Ready for HTTPS, Cloudflare, VPS host
ing and ongoing updates.</div>
</footer>
<script src="../../assets/js/main.js">
</script>
<script src="../../assets/js/app-demos.js">
</script>
</body>
</html>
```

apps/content-planner/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Homepage content planner | Nathan M</title>
<meta name="description" content="A small content planning tool that turns rough business details into a
  simple homepage structure and copy outline.">
<meta name="robots" content="index, follow">
<link rel="canonical" href="https://nathm.net/apps/content-planner/">
<link rel="icon" href="../../assets/img/favicon.svg" type="image/svg+xml">
<link rel="manifest" href="../../manifest.webmanifest">
<meta property="og:type" content="website">
<meta property="og:title" content="Homepage content planner | Nathan M">
<meta property="og:description" content="A small content planning tool that turns rough business details
  into a simple homepage structure and copy outline.">
<meta property="og:url" content="https://nathm.net/apps/content-planner/">
<meta property="og:image" content="https://nathm.net/assets/img/og-card.svg">
<meta name="twitter:card" content="summary_large_image">
<meta name="theme-color" content="#171615">
<link rel="stylesheet" href="../../assets/css/main.css">
<link rel="stylesheet" href="../../assets/css/app-demos.css">
</head>
<body>
<a href="#main" class="skip-link">Skip to content</a>
<header class="site-header">
<nav class="nav" aria-label="Main navigation">
<a href="../../index.html" class="logo" aria-label="Nathan M home">
<span class="logo-mark">N</span>
<span>nathm.net</span>
</a>
<div class="nav-links" id="navLinks">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Work</a>
<a class="active" href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../index.html#contact">Contact</a>
</div>
<div class="nav-actions">
<a href="../../index.html#contact" class="btn btn-primary">Get a quote</a>
<button class="menu-btn" id="menuBtn" type="button" aria-expanded="false" aria-controls="navLinks">Menu<
  /button>
</div>
</nav>
</header>
<main id="main">
<section class="app-shell">
<div class="app-hero">
<div class="app-panel">
<div class="app-kicker">HTML5 app demo</div>
<h1>Homepage content planner.</h1>
<p class="app-lead">A small content planning tool that turns rough business details into a simple homepa
  ge structure and copy outline.</p>
<div class="button-row">
<a class="btn btn-primary" href="../../apps.html">Back to app demos</a>
<a class="btn btn-secondary" href="../../index.html#contact">Ask about a custom tool</a>
</div>
</div>
<div class="app-panel dark">
<h2 style="font-size:2.3rem;margin-bottom:.75rem">Where this helps</h2>
<ul class="summary-list">
<li>Shows practical JavaScript ability</li>
<li>Can be adapted for client websites</li>
<li>Works as a useful lead or planning tool</li>
</ul>
</div>
</div>
</section>

<section class="app-shell" style="padding-top:0">
<div class="app-tool" data-content-planner>
<div class="tool-top">
<div>
<h2>Plan homepage content</h2>
<p>Enter rough details and the tool creates a simple content outline. This is useful when a client does
  not know what to write.</p>
</div>
<span class="pill">Copy helper</span>
</div>
<div class="tool-grid">
<div class="tool-stack">
<label class="demo-label">Business name<input class="demo-input" name="business" value="Northline Barber
  s">
</label>
<label class="demo-label">Main audience<input class="demo-input" name="audience" value="men who want rel
  iable local haircuts">
</label>
<label class="demo-label">Main service<input class="demo-input" name="service" value="barber cuts, skin
  fades and beard trims">
</label>
</div>
</div>
</div>
</div>
</div>
```

apps/content-planner/index.html continued

```
<label class="demo-label">Area<input class="demo-input" name="area" value="Manchester">
</label>
<label class="demo-label">Tone<select aria-label="tone" class="demo-select" name="tone">
<option>friendly</option>
<option>premium</option>
<option>straightforward</option>
<option>bold</option>
<option>warm</option>
</select>
</label>
<button class="btn btn-secondary" type="button" id="copyContentPlan">Copy plan</button>
<p class="form-help" id="contentCopyStatus" aria-live="polite">
</p>
</div>
<div>
<pre class="copy-output" id="contentOutput">
</pre>
<div class="mini-ad">
<div>
<strong>Your ad here</strong>
<br>
<span>Good spot for photography, logo design or copywriting support.</span>
</div>
<a class="btn btn-secondary" href="../../index.html#contact">Use this tool</a>
</div>
</div>
</div>
</div>
</section>

</main>
<footer class="site-footer">
<div class="footer-inner footer-updated">
<div>
<strong>nathm.net</strong>
<p>Custom-built websites, SEO basics, app-style tools, Cloudflare setup and friendly tech support from S
wansea, Wales.</p>
</div>
<nav class="footer-links" aria-label="Footer navigation">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Demos</a>
<a href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../privacy.html">Privacy</a>
<a href="../../assets/downloads/nathm-app-code-pack.pdf" download>App code PDF</a>
<a href="../../assets/downloads/nath-m-cv.pdf" download>CV PDF</a>
<a href="mailto:hello@nathm.net">hello@nathm.net</a>
</nav>
</div>
<div class="footer-note">'` <span id="year">
</span> Nathan M. Based in Swansea, Wales. No tracking by default. Ready for HTTPS, Cloudflare, VPS host
ing and ongoing updates.</div>
</footer>
<script src="../../assets/js/main.js">
</script>
<script src="../../assets/js/app-demos.js">
</script>
</body>
</html>
```

apps/invoice-maker/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Invoice and estimate maker demo | Nathan M</title>
<meta name="description" content="A simple invoice and estimate maker demo built in HTML5 and JavaScript
for freelance or service websites.">
<meta name="robots" content="index, follow">
<link rel="canonical" href="https://nathm.net/apps/invoice-maker/">
<link rel="icon" href="../../assets/img/favicon.svg" type="image/svg+xml">
<link rel="manifest" href="../../manifest.webmanifest">
<meta property="og:type" content="website">
<meta property="og:title" content="Invoice and estimate maker demo | Nathan M">
<meta property="og:description" content="A simple invoice and estimate maker demo built in HTML5 and Jav
aScript for freelance or service websites.">
<meta property="og:url" content="https://nathm.net/apps/invoice-maker/">
<meta property="og:image" content="https://nathm.net/assets/img/og-card.svg">
<meta name="twitter:card" content="summary_large_image">
<meta name="theme-color" content="#171615">
<link rel="stylesheet" href="../../assets/css/main.css">
<link rel="stylesheet" href="../../assets/css/app-demos.css">
</head>
<body>
<a href="#main" class="skip-link">Skip to content</a>
<header class="site-header">
<nav class="nav" aria-label="Main navigation">
<a href="../../index.html" class="logo" aria-label="Nathan M home">
<span class="logo-mark">N</span>
<span>nathm.net</span>
</a>
<div class="nav-links" id="navLinks">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Work</a>
<a class="active" href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../index.html#contact">Contact</a>
</div>
<div class="nav-actions">
<a href="../../index.html#contact" class="btn btn-primary">Get a quote</a>
<button class="menu-btn" id="menuBtn" type="button" aria-expanded="false" aria-controls="navLinks">Menu<
/button>
</div>
</nav>
</header>
<main id="main">

<section class="app-shell">
<div class="app-hero">
<div class="app-panel">
<div class="app-kicker">Business tool demo</div>
<h1>Invoice and estimate maker.</h1>
<p class="app-lead">A lightweight tool for building a quick estimate. It shows the kind of practical fea
ture that can sit inside a small business website or private client page.</p>
<div class="button-row">
<a class="btn btn-primary" href="../../apps.html">Back to app demos</a>
<a class="btn btn-secondary" href="../../index.html#contact">Ask about business tools</a>
</div>
</div>
<div class="app-panel dark">
<h2 style="font-size:2.3rem;margin-bottom:.75rem">Could become</h2>
<ul class="summary-list">
<li>A quote builder</li>
<li>A printable estimate</li>
<li>A private client dashboard</li>
</ul>
</div>
</div>
</section>
<section class="app-shell" style="padding-top:0">
<div class="app-tool" data-invoice-app>
<div class="tool-top">
<div>
<h2>Build an estimate</h2>
<p>Add items, change quantities and toggle VAT. Use print to save as a PDF from your browser.</p>
</div>
<span class="pill">Auto total</span>
</div>
<div class="tool-grid">
<div class="tool-stack">
<div class="invoice-table" id="invoiceRows">
</div>
<div class="button-row">
<button class="btn btn-secondary" id="addInvoiceRow" type="button">Add item</button>
<label class="demo-check">
<input type="checkbox" id="invoiceVat"> Add 20% VAT</label>
<button class="btn btn-primary" id="printInvoice" type="button">Print estimate</button>
</div>
</div>
<div class="output-card" id="invoiceOutput">
```

apps/invoice-maker/index.html continued

```
</div>
</div>
<div class="mini-ad">
<div>
<strong>Your ad here</strong>
<br>
<span>Useful advert space for accounting software, bookkeeping or finance partners.</span>
</div>
<a class="btn btn-secondary" href="../../index.html#contact">Build a tool like this</a>
</div>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-inner footer-updated">
<div>
<strong>nathm.net</strong>
<p>Custom-built websites, SEO basics, app-style tools, Cloudflare setup and friendly tech support from Swansea, Wales.</p>
</div>
<nav class="footer-links" aria-label="Footer navigation">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Demos</a>
<a href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../privacy.html">Privacy</a>
<a href="../../assets/downloads/nathm-app-code-pack.pdf" download>App code PDF</a>
<a href="../../assets/downloads/nath-m-cv.pdf" download>CV PDF</a>
<a href="mailto:hello@nathm.net">hello@nathm.net</a>
</nav>
</div>
<div class="footer-note">' <span id="year">
</span> Nathan M. Based in Swansea, Wales. No tracking by default. Ready for HTTPS, Cloudflare, VPS hosting and ongoing updates.</div>
</footer>
<script src="../../assets/js/main.js">
</script>
<script src="../../assets/js/app-demos.js">
</script>
</body>
</html>
```


apps/launch-checklist/index.html continued

```
<label class="check-item">
<input type="checkbox" name="forms">Forms or email links tested</label>
<label class="check-item">
<input type="checkbox" name="seo">Page titles and descriptions added</label>
<label class="check-item">
<input type="checkbox" name="sitemap">Sitemap and robots file ready</label>
<label class="check-item">
<input type="checkbox" name="images">Image alt text checked</label>
<label class="check-item">
<input type="checkbox" name="speed">Images and files kept lightweight</label>
<label class="check-item">
<input type="checkbox" name="domain">Domain and hosting connected</label>
<label class="check-item">
<input type="checkbox" name="backup">Project files backed up</label>
</div>
<div class="button-row" style="margin-top:1rem">
<button class="btn btn-secondary" type="button" id="resetLaunchChecklist">Reset checklist</button>
<a class="btn btn-primary" href="../../index.html#contact">Ask about launch help</a>
</div>
<div class="mini-ad">
<div>
<strong>Your ad here</strong>
<br>
<span>Good spot for hosting, domains, email setup or website maintenance services.</span>
</div>
<a class="btn btn-secondary" href="../../index.html#contact">Use this layout</a>
</div>
</div>
</section>

</main>
<footer class="site-footer">
<div class="footer-inner footer-updated">
<div>
<strong>nathm.net</strong>
<p>Custom-built websites, SEO basics, app-style tools, Cloudflare setup and friendly tech support from S
wansea, Wales.</p>
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<a href="../../services.html">Services</a>
<a href="../../demos.html">Demos</a>
<a href="../../apps.html">Apps</a>
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<a href="../../assets/downloads/nath-m-cv.pdf" download>CV PDF</a>
<a href="mailto:hello@nathm.net">hello@nathm.net</a>
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<div class="footer-note">' <span id="year">
</span> Nathan M. Based in Swansea, Wales. No tracking by default. Ready for HTTPS, Cloudflare, VPS host
ing and ongoing updates.</div>
</footer>
<script src="../../assets/js/main.js">
</script>
<script src="../../assets/js/app-demos.js">
</script>
</body>
</html>
```

apps/quote-estimator/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Website quote estimator demo | Nathan M</title>
<meta name="description" content="A working website quote estimator built with HTML5 and JavaScript for
small business enquiries.">
<meta name="robots" content="index, follow">
<link rel="canonical" href="https://nathm.net/apps/quote-estimator/">
<link rel="icon" href="../../assets/img/favicon.svg" type="image/svg+xml">
<link rel="manifest" href="../../manifest.webmanifest">
<meta property="og:type" content="website">
<meta property="og:title" content="Website quote estimator demo | Nathan M">
<meta property="og:description" content="A working website quote estimator built with HTML5 and JavaScript
pt for small business enquiries.">
<meta property="og:url" content="https://nathm.net/apps/quote-estimator/">
<meta property="og:image" content="https://nathm.net/assets/img/og-card.svg">
<meta name="twitter:card" content="summary_large_image">
<meta name="theme-color" content="#171615">
<link rel="stylesheet" href="../../assets/css/main.css">
<link rel="stylesheet" href="../../assets/css/app-demos.css">
</head>
<body>
<a href="#main" class="skip-link">Skip to content</a>
<header class="site-header">
<nav class="nav" aria-label="Main navigation">
<a href="../../index.html" class="logo" aria-label="Nathan M home">
<span class="logo-mark">N</span>
<span>nathm.net</span>
</a>
<div class="nav-links" id="navLinks">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Work</a>
<a class="active" href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../index.html#contact">Contact</a>
</div>
<div class="nav-actions">
<a href="../../index.html#contact" class="btn btn-primary">Get a quote</a>
<button class="menu-btn" id="menuBtn" type="button" aria-expanded="false" aria-controls="navLinks">Menu<
/button>
</div>
</nav>
</header>
<main id="main">

<section class="app-shell">
<div class="app-hero">
<div class="app-panel">
<div class="app-kicker">Pricing tool demo</div>
<h1>Website quote estimator.</h1>
<p class="app-lead">A simple pricing tool that helps a visitor understand the rough cost of a website be
fore they enquire. This kind of tool can reduce back-and-forth and bring in better leads.</p>
<div class="button-row">
<a class="btn btn-primary" href="../../apps.html">Back to app demos</a>
<a class="btn btn-secondary" href="../../index.html#contact">Ask about this</a>
</div>
</div>
<div class="app-panel dark">
<h2 style="font-size:2.3rem;margin-bottom:.75rem">Useful for</h2>
<ul class="summary-list">
<li>Web designers and agencies</li>
<li>Trades quote forms</li>
<li>Service package calculators</li>
</ul>
</div>
</div>
</section>
<section class="app-shell" style="padding-top:0">
<div class="app-tool" data-quote-app>
<div class="tool-top">
<div>
<h2>Build an estimate</h2>
<p>This is only a guide, but it shows how an interactive pricing section can work.</p>
</div>
<span class="pill">Live total</span>
</div>
<div class="tool-grid">
<div class="tool-stack">
<label class="demo-label">Project type<select class="demo-select" id="quoteType">
<option value="landing">One-page landing page</option>
<option value="business" selected>Small business website</option>
<option value="portfolio">Personal portfolio</option>
<option value="custom">Custom website</option>
</select>
</label>
<label class="demo-label">Number of pages <span>Move the slider to change the estimate</span>
<div class="range-row">
<input id="quotePages" type="range" min="1" max="10" value="4">
```

apps/quote-estimator/index.html continued

```
<output>1 to 10</output>
</div>
<label class="demo-check">
<input id="quoteSeo" type="checkbox" checked> SEO setup and launch basics</label>
<label class="demo-check">
<input id="quoteCopy" type="checkbox"> Help with wording</label>
<label class="demo-check">
<input id="quoteForm" type="checkbox" checked> Contact or enquiry form</label>
<label class="demo-check">
<input id="quoteAnalytics" type="checkbox"> Analytics setup</label>
</div>
<div class="output-card" id="quoteOutput">
</div>
</div>
<div class="mini-ad">
<div>
<strong>Your ad here</strong>
<br>
<span>A natural place for hosting, domains, payment tools or marketing partners.</span>
</div>
<a class="btn btn-secondary" href="../../index.html#contact">Add a calculator</a>
</div>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-inner footer-updated">
<div>
<strong>nathm.net</strong>
<p>Custom-built websites, SEO basics, app-style tools, Cloudflare setup and friendly tech support from S
wansea, Wales.</p>
</div>
<nav class="footer-links" aria-label="Footer navigation">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Demos</a>
<a href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../privacy.html">Privacy</a>
<a href="../../assets/downloads/nathm-app-code-pack.pdf" download>App code PDF</a>
<a href="../../assets/downloads/nath-m-cv.pdf" download>CV PDF</a>
<a href="mailto:hello@nathm.net">hello@nathm.net</a>
</nav>
</div>
<div class="footer-note">`' <span id="year">
</span> Nathan M. Based in Swansea, Wales. No tracking by default. Ready for HTTPS, Cloudflare, VPS host
ing and ongoing updates.</div>
</footer>
<script src="../../assets/js/main.js">
</script>
<script src="../../assets/js/app-demos.js">
</script>
</body>
</html>
```

apps/seo-checker/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>SEO basics checker | Nathan M</title>
<meta name="description" content="A simple browser-based checker for page title, description, H1, main p
hrase and URL slug. Useful before publishing a small business page.">
<meta name="robots" content="index, follow">
<link rel="canonical" href="https://nathm.net/apps/seo-checker/">
<link rel="icon" href="../../assets/img/favicon.svg" type="image/svg+xml">
<link rel="manifest" href="../../manifest.webmanifest">
<meta property="og:type" content="website">
<meta property="og:title" content="SEO basics checker | Nathan M">
<meta property="og:description" content="A simple browser-based checker for page title, description, H1,
main phrase and URL slug. Useful before publishing a small business page.">
<meta property="og:url" content="https://nathm.net/apps/seo-checker/">
<meta property="og:image" content="https://nathm.net/assets/img/og-card.svg">
<meta name="twitter:card" content="summary_large_image">
<meta name="theme-color" content="#171615">
<link rel="stylesheet" href="../../assets/css/main.css">
<link rel="stylesheet" href="../../assets/css/app-demos.css">
</head>
<body>
<a href="#main" class="skip-link">Skip to content</a>
<header class="site-header">
<nav class="nav" aria-label="Main navigation">
<a href="../../index.html" class="logo" aria-label="Nathan M home">
<span class="logo-mark">N</span>
<span>nathm.net</span>
</a>
<div class="nav-links" id="navLinks">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Work</a>
<a class="active" href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../index.html#contact">Contact</a>
</div>
<div class="nav-actions">
<a href="../../index.html#contact" class="btn btn-primary">Get a quote</a>
<button class="menu-btn" id="menuBtn" type="button" aria-expanded="false" aria-controls="navLinks">Menu<
/button>
</div>
</nav>
</header>
<main id="main">
<section class="app-shell">
<div class="app-hero">
<div class="app-panel">
<div class="app-kicker">HTML5 app demo</div>
<h1>SEO basics checker.</h1>
<p class="app-lead">A simple browser-based checker for page title, description, H1, main phrase and URL
slug. Useful before publishing a small business page.</p>
<div class="button-row">
<a class="btn btn-primary" href="../../apps.html">Back to app demos</a>
<a class="btn btn-secondary" href="../../index.html#contact">Ask about a custom tool</a>
</div>
</div>
<div class="app-panel dark">
<h2 style="font-size:2.3rem;margin-bottom:.75rem">Where this helps</h2>
<ul class="summary-list">
<li>Shows practical JavaScript ability</li>
<li>Can be adapted for client websites</li>
<li>Works as a useful lead or planning tool</li>
</ul>
</div>
</div>
</section>

<section class="app-shell" style="padding-top:0">
<div class="app-tool" data-seo-checker>
<div class="tool-top">
<div>
<h2>Check a page</h2>
<p>Fill in the fields and the checker will flag basic SEO issues before a page goes live.</p>
</div>
<span class="pill">No external tools</span>
</div>
<div class="tool-grid">
<div class="tool-stack">
<label class="demo-label">Page title<span>Try to keep this clear and specific.</span>
<input class="demo-input" id="seoTitle" value="Website design for small businesses | Nathan M">
</label>
<label class="demo-label">Meta description<span>A short summary for search results.</span>
<textarea class="demo-textarea" id="seoDescription">Clean, affordable website design for small businesse
s, freelancers and individuals, including mobile-friendly layouts, SEO basics and content help.</textare
a>
</label>
<label class="demo-label">H1 heading<span>The main visible heading on the page.</span>
<input class="demo-input" id="seoH1" value="Clean websites for small businesses">
```

apps/seo-checker/index.html continued

```
</label>
<div class="form-row">
<label class="demo-label">Main phrase<input class="demo-input" id="seoKeyword" value="small businesses">
</label>
<label class="demo-label">URL slug<input class="demo-input" id="seoSlug" value="services.html">
</label>
</div>
</div>
<div>
<div class="output-card" id="seoOutput">
</div>
<div class="mini-ad">
<div>
<strong>Your ad here</strong>
<br>
<span>Good spot for SEO tools, copywriting help or a local marketing partner.</span>
</div>
<a class="btn btn-secondary" href="../../index.html#contact">Use this tool</a>
</div>
</div>
</div>
</div>
</section>

</main>
<footer class="site-footer">
<div class="footer-inner footer-updated">
<div>
<strong>nathm.net</strong>
<p>Custom-built websites, SEO basics, app-style tools, Cloudflare setup and friendly tech support from S
wansea, Wales.</p>
</div>
<nav class="footer-links" aria-label="Footer navigation">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Demos</a>
<a href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../privacy.html">Privacy</a>
<a href="../../assets/downloads/nathm-app-code-pack.pdf" download>App code PDF</a>
<a href="../../assets/downloads/nath-m-cv.pdf" download>CV PDF</a>
<a href="mailto:hello@nathm.net">hello@nathm.net</a>
</nav>
</div>
<div class="footer-note">'` <span id="year">
</span> Nathan M. Based in Swansea, Wales. No tracking by default. Ready for HTTPS, Cloudflare, VPS host
ing and ongoing updates.</div>
</footer>
<script src="../../assets/js/main.js">
</script>
<script src="../../assets/js/app-demos.js">
</script>
</body>
</html>
```

apps/task-board/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Client task board demo | Nathan M</title>
<meta name="description" content="A small client task board demo using HTML5, JavaScript and browser local storage.">
<meta name="robots" content="index, follow">
<link rel="canonical" href="https://nathm.net/apps/task-board/">
<link rel="icon" href="../../assets/img/favicon.svg" type="image/svg+xml">
<link rel="manifest" href="../../manifest.webmanifest">
<meta property="og:type" content="website">
<meta property="og:title" content="Client task board demo | Nathan M">
<meta property="og:description" content="A small client task board demo using HTML5, JavaScript and browser local storage.">
<meta property="og:url" content="https://nathm.net/apps/task-board/">
<meta property="og:image" content="https://nathm.net/assets/img/og-card.svg">
<meta name="twitter:card" content="summary_large_image">
<meta name="theme-color" content="#171615">
<link rel="stylesheet" href="../../assets/css/main.css">
<link rel="stylesheet" href="../../assets/css/app-demos.css">
</head>
<body>
<a href="#main" class="skip-link">Skip to content</a>
<header class="site-header">
<nav class="nav" aria-label="Main navigation">
<a href="../../index.html" class="logo" aria-label="Nathan M home">
<span class="logo-mark">N</span>
<span>nathm.net</span>
</a>
<div class="nav-links" id="navLinks">
<a href="../../index.html">Home</a>
<a href="../../services.html">Services</a>
<a href="../../demos.html">Work</a>
<a class="active" href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../index.html#contact">Contact</a>
</div>
<div class="nav-actions">
<a href="../../index.html#contact" class="btn btn-primary">Get a quote</a>
<button class="menu-btn" id="menuBtn" type="button" aria-expanded="false" aria-controls="navLinks">Menu</button>
</div>
</nav>
</header>
<main id="main">

<section class="app-shell">
<div class="app-hero">
<div class="app-panel">
<div class="app-kicker">Dashboard demo</div>
<h1>Client task board.</h1>
<p class="app-lead">A small local task board that saves in the browser. This kind of demo can be turned into a client checklist, project tracker or internal admin tool.</p>
<div class="button-row">
<a class="btn btn-primary" href="../../apps.html">Back to app demos</a>
<a class="btn btn-secondary" href="../../index.html#contact">Ask about dashboards</a>
</div>
</div>
<div class="app-panel dark">
<h2 style="font-size:2.3rem;margin-bottom:.75rem">Shows</h2>
<ul class="summary-list">
<li>Local storage</li>
<li>Interactive cards</li>
<li>Simple state management</li>
<li>Useful client workflow ideas</li>
</ul>
</div>
</div>
</section>
<section class="app-shell" style="padding-top:0">
<div class="app-tool" data-task-board>
<div class="tool-top">
<div>
<h2>Project checklist</h2>
<p>Add a task and move it between columns. Your browser remembers the board.</p>
</div>
<button class="btn btn-secondary" id="resetBoard" type="button">Reset demo</button>
</div>
<form class="tool-grid" style="margin-bottom:1rem">
<input aria-label="Task title" class="demo-input" name="title" placeholder="Task title" required>
<input aria-label="Short note" class="demo-input" name="note" placeholder="Short note">
<button class="btn btn-accent" type="submit">Add task</button>
</form>
<div class="task-columns">
<div class="task-column" data-column="todo">
<h3>To do</h3>
</div>
<div class="task-column" data-column="doing">
<h3>Doing</h3>

```

apps/task-board/index.html continued

```
</div>
<div class="task-column" data-column="done">
<h3>Done</h3>
</div>
</div>
<div class="mini-ad">
<div>
<strong>Your ad here</strong>
<br>
<span>Good for a productivity tool, local business service or promoted offer.</span>
</div>
<a class="btn btn-secondary" href="../../index.html#contact">Create a dashboard</a>
</div>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-inner footer-updated">
<div>
<strong>nathm.net</strong>
<p>Custom-built websites, SEO basics, app-style tools, Cloudflare setup and friendly tech support from Swansea, Wales.</p>
</div>
<nav class="footer-links" aria-label="Footer navigation">
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<a href="../../services.html">Services</a>
<a href="../../demos.html">Demos</a>
<a href="../../apps.html">Apps</a>
<a href="../../cv.html">CV</a>
<a href="../../privacy.html">Privacy</a>
<a href="../../assets/downloads/nathm-app-code-pack.pdf" download>App code PDF</a>
<a href="../../assets/downloads/nath-m-cv.pdf" download>CV PDF</a>
<a href="mailto:hello@nathm.net">hello@nathm.net</a>
</nav>
</div>
<div class="footer-note">`' <span id="year">
</span> Nathan M. Based in Swansea, Wales. No tracking by default. Ready for HTTPS, Cloudflare, VPS hosting and ongoing updates.</div>
</footer>
<script src="../../assets/js/main.js">
</script>
<script src="../../assets/js/app-demos.js">
</script>
</body>
</html>
```

assets/css/app-demos.css

```
/* v4 app demo pages */
.app-shell{max-width:1120px;margin:0 auto;padding:5.2rem 1.2rem}.app-hero{display:grid;grid-template-columns:1fr .78fr/gap:1.2rem;align-items:stretch}.app-panel{background:rgba(255,250,242,.82);border:1px solid var(--line);border-radius:28px;padding:1.2rem;box-shadow:0 22px 70px rgba(26,22,18,.1)}.app-panel.dark{background:#171615;color:#fff}.app-panel.dark p,.app-panel.dark li{color:rgba(255,250,242,.72)}.app-kicker{display:inline-flex;gap:.5rem;align-items:center;width:fit-content;border:1px solid var(--line);border-radius:999px;background:rgba(255,255,255,.52);padding:.48rem .72rem;color:var(--muted);font-weight:850;font-size:.9rem;margin-bottom:1rem}.app-kicker:before{content:"";width:.52rem;height:.52rem;border-radius:999px;background:var(--accent);box-shadow:0 0 5px rgba(242,107,58,.13)}.app-lead{color:var(--muted);font-size:1.08rem;max-width:42rem;margin:.85rem 0 1.4rem}.app-grid{display:grid;grid-template-columns:1fr 1fr/gap:1rem;margin-top:1.2rem}.app-demo-card{background:rgba(255,255,255,.5);border:1px solid var(--line);border-radius:22px;padding:1rem;display:grid;gap:.6rem}.app-demo-card h3{font-size:1.35rem}.app-demo-card p{color:var(--muted)}.app-tool{background:rgba(255,250,242,.92);border:1px solid var(--line);border-radius:30px;padding:clamp(1rem,3vw,1.35rem);box-shadow:var(--shadow);overflow:hidden}.tool-top{display:flex;justify-content:space-between;align-items:start;gap:1rem;margin-bottom:1rem}.tool-top p{color:var(--muted);max-width:34rem}.tool-grid{display:grid;grid-template-columns:1fr 1fr/gap:1rem}.tool-stack{display:grid;gap:.85rem}.demo-label{display:grid;gap:.35rem;font-weight:800;color:var(--text)}.demo-label span{color:var(--muted);font-size:.88rem;font-weight:650}.demo-input,.demo-select,.demo-textarea{width:100%;border:1px solid var(--line);border-radius:16px;background:rgba(255,255,255,.78);color:var(--text);padding:.85rem .95rem/outline:none}.demo-textarea{min-height:110px;resize:vertical}.demo-input:focus,.demo-select:focus,.demo-textarea:focus{border-color:rgba(242,107,58,.72);box-shadow:0 0 4px rgba(242,107,58,.13)}.demo-check{display:flex;align-items:flex-start;gap:.6rem;padding:.8rem .9rem;border:1px solid var(--line);border-radius:16px;background:rgba(255,255,255,.5);color:var(--muted);font-weight:720}.demo-check input{margin-top:.2rem}.output-card{background:#171615;color:#fff;border-radius:22px;padding:1rem;border:1px solid rgba(255,255,255,.1);min-height:130px}.output-card p,.output-card li,.output-card small{color:rgba(255,250,242,.72)}.output-card strong{color:#fff}.stat-row{display:grid;grid-template-columns:repeat(3,1fr)/gap:.7rem}.stat{background:rgba(255,255,255,.08);border:1px solid rgba(255,255,255,.12);border-radius:16px;padding:.8rem}.stat strong{display:block;font-size:1.35rem;letter-spacing:-.05em}.button-row{display:flex;flex-wrap:wrap;gap:.65rem}.mini-ad{margin-top:1rem;border:1px dashed rgba(23,22,21,.28);border-radius:20px;padding:1rem;background:rgba(255,255,255,.48);display:flex;justify-content:space-between;gap:1rem;align-items:center}.mini-ad strong{font-size:1.15rem}.mini-ad span{color:var(--muted)}.calc-shell{max-width:430px;margin:0 auto;background:#171615;color:#fff;border-radius:28px;padding:1rem;box-shadow:var(--shadow)}.calc-display{min-height:92px;border-radius:22px;background:rgba(255,255,255,.08);border:1px solid rgba(255,255,255,.12);padding:1rem;text-align:right;display:grid;align-content:center;overflow:hidden}.calc-expression{color:rgba(255,250,242,.56);font-size:.95rem;min-height:1.3rem;white-space:nowrap;overflow:hidden;text-overflow:ellipsis}.calc-result{font-size:2.35rem;line-height:1.05;letter-spacing:-.05em;word-break:break-all}.calc-grid{display:grid;grid-template-columns:repeat(4,1fr)/gap:.55rem;margin-top:.8rem}.calc-btn{border:0;border-radius:18px;min-height:62px;background:rgba(255,255,255,.1);color:#fff;font-size:1.15rem;font-weight:850;cursor:pointer}.calc-btn:hover{background:rgba(255,255,255,.16)}.calc-btn.op{background:rgba(242,107,58,.86)}.calc-btn.equal{background:#fff;color:#171615}.calc-btn.wide{grid-column:span 2}.invoice-table{display:grid;gap:.65rem}.invoice-row{display:grid;grid-template-columns:1.5fr .55fr .7fr auto;gap:.55rem;align-items:center}.icon-btn{width:42px;height:42px;border-radius:14px;border:1px solid var(--line);background:rgba(255,255,255,.55);cursor:pointer;font-weight:900}.task-columns{display:grid;grid-template-columns:repeat(3,1fr)/gap:.8rem}.task-column{background:rgba(255,255,255,.46);border:1px solid var(--line);border-radius:20px;padding:.85rem;min-height:260px}.task-column h3{font-size:1.15rem;margin-bottom:.7rem}.task-card{background:#fff;border:1px solid var(--line);border-radius:16px;padding:.75rem;margin-bottom:.6rem;box-shadow:0 8px 20px rgba(22,18,14,.06)}.task-card p{color:var(--muted);font-size:.92rem;margin:.2rem 0 .55rem}.task-actions{display:flex;gap:.4rem;flex-wrap:wrap}.task-actions button{border:1px solid var(--line);background:rgba(242,107,58,.09);border-radius:999px;padding:.35rem .55rem;font-size:.78rem;font-weight:800;cursor:pointer}.palette-grid{display:grid;grid-template-columns:repeat(5,1fr)/gap:.65rem}.swatch{min-height:150px;border-radius:20px;padding:.8rem;display:flex;flex-direction:column;justify-content:end;border:1px solid rgba(0,0,0,.1);box-shadow:0 14px 30px rgba(22,18,14,.08);overflow:hidden}.swatch strong,.swatch span{background:rgba(255,255,255,.72);border-radius:999px;width:max-content;max-width:100%;padding:.28rem .5rem}.swatch span{margin-top:.35rem;color:#444;font-size:.82rem}.range-row{display:grid;grid-template-columns:1fr auto;gap:.8rem;align-items:center}.range-row output{font-weight:900;color:var(--accent-dark)}.summary-list{list-style:none;display:grid;gap:.45rem;margin:8rem 0}.summary-list li:before{content:"â€”";color:var(--accent);font-weight:900;margin-right:.45rem}.app-footer-nav{display:flex;flex-wrap:wrap;gap:.65rem;margin-top:1rem}@media(max-width:900px){.app-hero,.tool-grid{grid-template-columns:1fr}.task-columns{grid-template-columns:1fr}.palette-grid{grid-template-columns:repeat(2,1fr)}.invoice-row{grid-template-columns:1fr 1fr}.invoice-row .icon-btn{width:100%}.stat-row{grid-template-columns:1fr}.mini-ad{display:grid}.mini-ad .btn{width:100%}}@media(max-width:560px){.app-shell{padding:4rem .9rem}.app-grid{grid-template-columns:1fr}.calc-btn{min-height:56px;border-radius:16px}.calc-result{font-size:2rem}.palette-grid{grid-template-columns:1fr}.button-row .btn{width:100%}.tool-top{display:grid}.invoice-row{grid-template-columns:1fr}.app-panel,.app-tool{border-radius:24px}}

/* v5 app additions */
.check-grid{display:grid;grid-template-columns:1fr 1fr/gap:.75rem}.check-item{display:flex;gap:.65rem;align-items:flex-start;border:1px solid var(--line);background:rgba(255,255,255,.52);border-radius:16px;padding:.85rem;font-weight:760}.check-item input{margin-top:.2rem;accent-color:var(--accent)}.progress-shell{background:rgba(23,22,21,.08);border:1px solid var(--line);border-radius:999px;height:18px;overflow:hidden;margin:.75rem 0}.progress-bar{height:100%;width:0;background:linear-gradient(90deg,var(--accent),#171615);transition:width .2s ease}.summary-list li.pass:before{content:"â€”"}.summary-list li.warn:before{content:"! "}.copy-output{white-space:pre-wrap;background:#171615;color:#fff;border-radius:20px;padding:1rem;border:1px solid rgba(255,255,255,.1);min-height:260px;line-height:1.55}.copy-output::selection{background:rgba(242,107,58,.45)}.tool-note{border-left:4px solid var(--accent);padding:.8rem 1rem;background:rgba(242,107,58,.08);border-radius:0 16px 16px 0;color:var(--muted)}@media(max-width:760px){.check-grid{grid-template-columns:1fr}.copy-output{min-height:200px}}
```

assets/js/app-demos.js

```
(function(){
  const money = n => 'GBP ' + Number(n || 0).toLocaleString('en-GB', {maximumFractionDigits: 2});
  function copyText(text, status){navigator.clipboard?.writeText(text).then(()=>{if(status)status.textContent='Copied to clipboard.'}).catch(()=>{if(status)status.textContent='Copy failed. You can select the text manually.'});}

  // Calculator with a small expression parser, not eval.
  const calc = document.querySelector('[data-calculator]');
  if(calc){
    const exprEl = calc.querySelector('[data-calc-expression]');
    const resEl = calc.querySelector('[data-calc-result]');
    let expression = '';
    const show = (result='0') => { exprEl.textContent = expression || 'Ready'; resEl.textContent = result; };
    function tokenize(src){
      const out=[]; let i=0; let prev='op';
      while(i<src.length){
        const ch=src[i];
        if(/\s/.test(ch)){i++; continue;}
        if(/[0-9.]/.test(ch)){
          let num=ch; i++;
          while(i<src.length && /[0-9.]/.test(src[i])) num+=src[i++];
          if((num.match(/\./g)||[]).length>1) throw new Error('Too many decimals');
          out.push({type:'num', value:Number(num)}); prev='num'; continue;
        }
        if('+-*/'.includes(ch)){
          if(ch==='-' && (prev==='op' || prev==='(')){out.push({type:'op', value:'u-'});} else {out.push({type:'op', value:ch});}
          prev='op'; i++; continue;
        }
        if(ch==='(' || ch===')'){out.push({type:ch}); prev=ch; i++; continue;}
        throw new Error('Invalid character');
      }
      return out;
    }
    function evaluate(src){
      const prec={'+':1, '-':1, '*':2, '/':2, 'u-':3};
      const assoc={'+':'L', '-':'L', '*':'L', '/':'L', 'u-':'R'};
      const output=[], ops=[];
      tokenize(src).forEach(t=>{
        if(t.type==='num') output.push(t);
        else if(t.type==='op'){
          while(ops.length){
            const top=ops[ops.length-1]; if(top.type!=='op') break;
            if((assoc[t.value]=== 'L' && prec[t.value]<=prec[top.value]) || (assoc[t.value]=== 'R' && prec[t.value]>prec[top.value])) output.push(ops.pop()); else break;
          }
          ops.push(t);
        } else if(t.type==='(') ops.push(t);
        else if(t.type===')'){
          while(ops.length && ops[ops.length-1].type!=='(') output.push(ops.pop());
          if(!ops.length) throw new Error('Missing bracket');
          ops.pop();
        }
      });
      while(ops.length){const op=ops.pop(); if(op.type==='(') throw new Error('Missing bracket'); output.push(op);}
      const stack=[];
      output.forEach(t=>{
        if(t.type==='num') stack.push(t.value);
        else if(t.value==='u-'){ if(!stack.length) throw new Error('Missing number'); stack.push(-stack.pop()); }
        else { const b=stack.pop(), a=stack.pop(); if(a===undefined || b===undefined) throw new Error('Missing number');
          if(t.value==='+') stack.push(a+b); if(t.value==='-') stack.push(a-b); if(t.value==='*') stack.push(a*b); if(t.value==='/') { if(b===0) throw new Error('Divide by zero'); stack.push(a/b); }
        }
      });
      if(stack.length!==1 || !Number.isFinite(stack[0])) throw new Error('Invalid calculation');
      return Math.round(stack[0]*1e10)/1e10;
    }
    function press(v){
      if(v==='clear'){expression=''; show(); return;}
      if(v==='back'){expression=expression.slice(0,-1); show(); return;}
      if(v==='equals'){
        try{show(String(evaluate(expression))); expression=String(evaluate(expression));}
        catch(e){resEl.textContent=e.message;}
        return;
      }
      expression += v;
      try{resEl.textContent = expression ? String(evaluate(expression)) : '0';}catch(e){resEl.textContent='';}
      exprEl.textContent = expression || 'Ready';
    }
    calc.querySelectorAll('[data-calc]').forEach(btn=>btn.addEventListener('click', ()=>press(btn.dataset.calc)));
    document.addEventListener('keydown', e=>{
      if(!document.body.contains(calc)) return;
      if(/[0-9]+\s*/.test(e.key)){press(e.key); e.preventDefault();}
      if(e.key==='Enter'){press('equals'); e.preventDefault();}
      if(e.key==='Backspace'){press('back'); e.preventDefault();}
    });
  }
}
```

assets/js/app-demos.js continued

```
    if(e.key==='Escape'){press('clear'); e.preventDefault();}
  });
  show();
}

const quote = document.querySelector('[data-quote-app]');
if(quote){
  const els = {
    pages: quote.querySelector('#quotePages'), type: quote.querySelector('#quoteType'), seo: quote.que
rySelector('#quoteSeo'), copy: quote.querySelector('#quoteCopy'), form: quote.querySelector('#quoteForm'
), analytics: quote.querySelector('#quoteAnalytics'), output: quote.querySelector('#quoteOutput')
  };
  const calcQuote = () => {
    const base = {landing:85,business:175,portfolio:145,custom:260}[els.type.value] || 145;
    let total = base + Math.max(0, Number(els.pages.value)-1)*45;
    const features=[];
    if(els.seo.checked){total+=45;features.push('SEO setup');}
    if(els.copy.checked){total+=50;features.push('copy help');}
    if(els.form.checked){total+=35;features.push('contact/enquiry form');}
    if(els.analytics.checked){total+=25;features.push('analytics setup');}
    const low = Math.round(total/10)*10, high=low+100;
    const weeks = low>400 ? '2 to 4 weeks' : '1 to 2 weeks';
    els.output.innerHTML = '<strong>${money(low)} to ${money(high)}</strong><p>Guide estimate for a ${
els.type.options[els.type.selectedIndex].text.toLowerCase()} with ${els.pages.value} pages${els.pages.val
ue==='1'?':':'s'}.</p><ul class="summary-list"><li>${features.length?features.join(', '):'No extra featur
es selected'}</li><li>Estimated timeline: ${weeks}</li><li>Final quote depends on content, images and ex
act sections.</li></ul>';
  };
  quote.addEventListener('input', calcQuote); calcQuote();
}

const booking = document.querySelector('[data-booking-app]');
if(booking){
  const output = booking.querySelector('#bookingOutput');
  const update = () => {
    const f = new FormData(booking.querySelector('form'));
    const summary = `Name: ${f.get('name')}| |Not added`\nService: ${f.get('service')}\nDate: ${f.get('
date')}| |Not chosen`\nTime: ${f.get('time')}\nNotes: ${f.get('notes')}| |None`;
    output.innerHTML = `<strong>Booking request preview</strong><p>${summary.replace(/\n/g, '<br>')}</p
>`;
    booking.querySelector('#bookingEmail').href = `mailto:hello@nathm.net?subject=${encodeURIComponent
('Demo booking request')}&body=${encodeURIComponent(summary)}`;
  };
  booking.addEventListener('input', update); update();
}

const invoice = document.querySelector('[data-invoice-app]');
if(invoice){
  const rows = invoice.querySelector('#invoiceRows'), out=invoice.querySelector('#invoiceOutput');
  function row(desc='Website design', qty=1, rate=195){
    const div=document.createElement('div'); div.className='invoice-row';
    div.innerHTML=`<input class="demo-input" aria-label="Item description" value="${desc}"><input clas
s="demo-input" aria-label="Quantity" type="number" min="0" step="1" value="${qty}"><input class="demo-in
put" aria-label="Rate" type="number" min="0" step="5" value="${rate}"><button class="icon-btn" type="but
ton" aria-label="Remove item">^ </button>`;
    div.querySelector('button').addEventListener('click',()=>{div.remove(); calc();});
    div.querySelectorAll('input').forEach(i=>i.addEventListener('input',calc)); rows.appendChild(div);
  }
  calc();
  function calc(){
    let sub=0; [...rows.children].forEach(r=>{const i=r.querySelectorAll('input'); sub += Number(i[1].
value||0)*Number(i[2].value||0)});
    const vat = invoice.querySelector('#invoiceVat').checked ? sub*0.2 : 0;
    out.innerHTML = `<div class="stat-row"><div class="stat"><span>Subtotal</span><strong>${money(sub)
}</strong></div><div class="stat"><span>VAT</span><strong>${money(vat)}</strong></div><div class="stat">
<span>Total</span><strong>${money(sub+vat)}</strong></div></div><p style="margin-top:.8rem">This can be
adapted into a real invoice, quote or estimate generator.</p>`;
  }
  invoice.querySelector('#addInvoiceRow').addEventListener('click',()=>row('New item',1,75));
  invoice.querySelector('#invoiceVat').addEventListener('change',calc);
  invoice.querySelector('#printInvoice').addEventListener('click',()=>window.print());
  row('One-page website',1,250); row('SEO basics',1,95);
}

const board = document.querySelector('[data-task-board]');
if(board){
  const key='nathmDemoTasksV1';
  const state = JSON.parse(localStorage.getItem(key)||'null') || [
    {id:1,title:'Collect business photos',note:'Logo, team photo, work examples',status:'todo'},
    {id:2,title:'Write homepage draft',note:'Short, clear and client friendly',status:'doing'},
    {id:3,title:'Check mobile layout',note:'No clipping or awkward wrapping',status:'done'}
  ];
  const save=()=>localStorage.setItem(key,JSON.stringify(state));
  const render=()=>{
    ['todo','doing','done'].forEach(status=>{
      const col=board.querySelector(`[data-column="${status}"]`); col.querySelectorAll('.task-card').f
oreach(c=>c.remove());
      state.filter(t=>t.status===status).forEach(t=>{
        const card=document.createElement('div'); card.className='task-card';
        card.innerHTML=`<strong>${t.title}</strong><p>${t.note}</p><div class="task-actions"><button d
ata-move="todo">To do</button><button data-move="doing">Doing</button><button data-move="done">Done</but
ton><button data-delete="1">Delete</button></div>`;
        card.querySelectorAll(`[data-move]`).forEach(b=>b.addEventListener('click',()=>{t.status=b.dat
```

assets/js/app-demos.js continued

```
aset.move; save(); render();});
    card.querySelector('[data-delete]').addEventListener('click', ()=>{const idx=state.findIndex(x=
>x.id==t.id); if(idx>-1) state.splice(idx,1); save(); render();});
    col.appendChild(card);
  });
};
};
board.querySelector('form').addEventListener('submit',e=>{e.preventDefault(); const f=new FormData(e
.currentTarget); state.push({id:Date.now(), title:f.get('title')||'Untitled task', note:f.get('note')||'
No notes', status:'todo'}); e.currentTarget.reset(); save(); render();});
board.querySelector('#resetBoard').addEventListener('click',()=>{localStorage.removeItem(key); locat
ion.reload();});
render();
}

const palette = document.querySelector('[data-palette-app]');
if(palette){
  const base = palette.querySelector('#baseColor'), grid=palette.querySelector('#paletteGrid'), status
=palette.querySelector('#paletteStatus');
  const hexToRgb = h => {h=h.replace('#',''); return [parseInt(h.slice(0,2),16),parseInt(h.slice(2,4)
,16),parseInt(h.slice(4,6),16)];};
  const rgbToHex = ([r,g,b]) => '#'+[r,g,b].map(v=>Math.max(0,Math.min(255,Math.round(v))).toSt
ring(16).padStart(2,'0')).join('');
  const mix = (a,b,p) => a.map((v,i)>v+(b[i]-v)*p);
  function render(){
    const rgb=hexToRgb(base.value); const colors=[mix(rgb,[255,255,255],.72),mix(rgb,[255,255,255],.38
),rgb,mix(rgb,[0,0,0],.25),mix(rgb,[0,0,0],.48)].map(rgbToHex);
    grid.innerHTML=''; colors.forEach((c,i)>{const sw=document.createElement('button'); sw.type='butt
on'; sw.className='swatch'; sw.style.background=c; sw.innerHTML=`<strong>${['Light','Soft','Base','Deep
','Dark'][i]}</strong><span>${c}</span>`; sw.addEventListener('click',()=>copyText(c,status)); grid.appen
dChild(sw);});
  }
  base.addEventListener('input', render); render();
}

const seo = document.querySelector('[data-seo-checker]');
if(seo){
  const out = seo.querySelector('#seoOutput');
  const fields = ['seoTitle','seoDescription','seoH1','seoKeyword','seoSlug'].reduce((acc,id)>{acc[id
]=seo.querySelector('#'+id); return acc;},{});
  function check(){
    const title = fields.seoTitle.value.trim();
    const desc = fields.seoDescription.value.trim();
    const h1 = fields.seoH1.value.trim();
    const keyword = fields.seoKeyword.value.trim().toLowerCase();
    const slug = fields.seoSlug.value.trim().toLowerCase();
    const checks = [
      {label:'Title is between 35 and 60 characters', pass:title.length>=35 && title.length<=60, detai
l:`${title.length} characters`},
      {label:'Meta description is between 120 and 160 characters', pass:desc.length>=120 && desc.lengt
h<=160, detail:`${desc.length} characters`},
      {label:'Page has one clear H1', pass:h1.length>=10 && h1.length<=75, detail:h1 ? 'Looks usable'
: 'Missing H1'},
      {label:'Main phrase appears in title or H1', pass:keyword && (title.toLowerCase().includes(keywo
rd)||h1.toLowerCase().includes(keyword)), detail:keyword || 'Add a phrase'},
      {label:'URL slug is short and readable', pass:slug.length>2 && slug.length<=45 && /^[a-z0-9-\\/]
$/.test(slug), detail:slug || 'Missing slug'}
    ];
    const score = checks.filter(c=>c.pass).length;
    out.innerHTML = `<strong>${score}/5 checks passing</strong><p>This is a simple guide, not a full S
EO audit. It helps check the basics before launch.</p><ul class="summary-list">${checks.map(c=><li clas
s="${c.pass?'pass':'warn'}"><strong>${c.pass?'Good':'Check'}</strong> ${c.label}<br><small>${c.detail}<
/small></li>`}.join('')</ul>`;
  }
  seo.addEventListener('input', check); check();
}

const launch = document.querySelector('[data-launch-checklist]');
if(launch){
  const key='nathmlaunchChecklistV1';
  const boxes=[...launch.querySelectorAll('input[type="checkbox"]')];
  const bar=launch.querySelector('#launchProgressBar');
  const text=launch.querySelector('#launchProgressText');
  const saved=JSON.parse(localStorage.getItem(key)||'{}');
  boxes.forEach(b=>{ if(saved[b.name]) b.checked=true; });
  function update(){
    const done=boxes.filter(b=>b.checked).length;
    const pct=Math.round((done/boxes.length)*100);
    bar.style.width=pct+'%';
    text.textContent=`${done} of ${boxes.length} complete (${pct}%)`;
    const state={}; boxes.forEach(b=>state[b.name]=b.checked); localStorage.setItem(key,JSON.stringify
(state));
  }
  boxes.forEach(b=>b.addEventListener('change',update));
  launch.querySelector('#resetLaunchChecklist').addEventListener('click',()=>{boxes.forEach(b=>b.check
ed=false); update();});
  update();
}

const content = document.querySelector('[data-content-planner]');
if(content){
  const output=content.querySelector('#contentOutput');
  const status=content.querySelector('#contentCopyStatus');
```

assets/js/app-demos.js continued

```
function value(name){return (content.querySelector('[name="'+name+'"]')?.value||'').trim();}
function build(){
  const business=value('business')||'Your business';
  const audience=value('audience')||'local customers';
  const service=value('service')||'your main service';
  const area=value('area')||'your area';
  const tone=value('tone')||'friendly';
  const copy = `Homepage plan for ${business}

Hero headline:
${service} in ${area}

Short intro:
${business} helps ${audience} with ${service}. The site should keep the wording ${tone}, clear and easy
to scan on a phone.

Suggested sections:
1. What you offer
2. Why choose ${business}
3. Prices or packages
4. Reviews or proof
5. FAQs
6. Contact or booking section

Call to action:
Get in touch to ask about ${service}.`;
  output.textContent=copy;
  }
  content.addEventListener('input',build);
  content.querySelector('#copyContentPlan').addEventListener('click',()=>copyText(output.textContent,s
tatus));
  build();
  }
})();
```