

WEB DESIGN & DEVELOPMENT REPORT

Thames Community TechFest 2026

Responsive, Accessible and Standards-Based Multi-Page Website

Student Name	Sunny Anibaba
Student Number	2210976
Course Name	CertHE Computing Skills for Workplace
Module Name	ACCA4023
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1. Introduction and Abstract

Abstract

This report explains how the Thames Community TechFest 2026 website was planned, built and evaluated. The project is a fictional four-page event website developed by hand with HTML5, CSS3 and a small amount of JavaScript. Its main purpose is to give visitors straightforward information about the event, including what it is about, the programme, the speakers and practical details for attending. During development, particular attention was given to meaningful HTML structure, responsive layouts, keyboard access, readable text and consistent navigation. The site also works from local files, so it does not depend on an external framework or development environment. CSS Grid, Flexbox, media queries and custom properties were used to create the layout. The report discusses the requirements, the choices made during implementation, validation, usability, accessibility and SEO. Eventbrite and Meetup are also considered as comparable live websites. The complete HTML and CSS are provided in the appendices for inspection.

Project overview

The project was kept deliberately manageable while still providing a complete event website. Four connected pages were created: Home, Programme, Speakers and Contact. This goes beyond the required minimum of three pages without making the site unnecessarily complicated. The files are stored locally and all links use relative paths. As a result, the website can be unzipped on another computer and opened simply by selecting index.html; no web server, framework or specialist development software is needed.

2. Requirements Analysis

2.1 Website purpose

The website was designed to promote a fictional community technology festival. A visitor should be able to find the essential information quickly: what the event offers, when it takes place, who will be speaking and how to plan a visit. For this reason, the Home page introduces the event and highlights the main actions. The Programme page gives the timetable, the Speakers page introduces the people and subject areas, while the Contact page brings together venue, accessibility and enquiry information.

2.2 Subject matter

The content focuses on practical digital inclusion. Topics include responsible artificial intelligence, cyber safety, accessible web design, digital tools for small businesses and creative coding. These subjects provide enough variety to create meaningful pages and navigation, while still fitting under one clear event theme. They also provide relevant search terms naturally, without needing an online booking system or database.

2.3 Target audience

The main audience is the general public, particularly beginners, students, families and small-business owners. Because users may have different levels of technical experience, the wording was kept clear and unnecessary jargon was avoided. Familiar navigation labels, readable contrast, reasonably large

controls and layouts that work on small screens were also important. The site has a second audience: tutors or developers assessing the work. For them, semantic HTML and a simple, organised folder structure make the code easier to follow.

2.4 Functional and non-functional requirements

Requirement	Implementation	Rationale
Minimum three pages	Four HTML pages with shared navigation	Keeps the information complete without making the site difficult to navigate.
Responsive design	Grid/Flexbox plus 820px and 560px media queries	Allows the layout and navigation to adjust for tablet and mobile screens.
Standalone operation	No CDN, external font or remote image dependency	Keeps the website usable when the folder is extracted on another computer.
Accessibility	Skip link, semantic landmarks, labels, alt text, focus states	Makes the site easier to use with a keyboard and assistive technologies.
SEO	Unique titles, descriptions, heading hierarchy and internal links	Helps both visitors and search engines understand each page.
Own design	Custom colour system, cards, timeline, hero art and SVG portraits	Shows that the visual style and technical choices were customised for the project.

3. Design and Implementation

3.1 File structure

```
thames-techfest-website/  
├──  
├──  
├──  
├──  
├──  
├──  
├──  
└── images/hero.svg, ava.svg, maya.svg, leon.svg  
  
index.html  
programme.html  
speakers.html  
contact.html  
css/style.css  
js/script.js
```

The folder structure separates the page content, styling, scripts and images. Shared files are reused instead of being duplicated on each page. Relative references such as `css/style.css` and `images/hero.svg` were used so that the whole project remains portable when it is copied or unzipped on another computer.

3.2 Semantic HTML5

A consistent HTML5 structure is used throughout the site, including header, navigation, main content and footer areas. Each page has one main h1 heading, with h2 and h3 headings used for sections beneath it. On the Programme page, time elements include machine-readable datetime values. Form controls on the Contact page are linked to their labels using matching for and id values. These

decisions make the pages easier to understand for users, assistive technology and anyone maintaining the code later.

3.3 CSS architecture and responsive design

The main stylesheet uses CSS custom properties to keep colours, spacing, borders, shadows and content widths consistent. CSS Grid is used for the larger page layouts, while Flexbox is useful for navigation and groups of buttons. Media queries adjust the design as the available width becomes smaller. Below 820px, two-column sections change to one column and the main navigation changes to a menu button. Below 560px, cards and speaker profiles stack vertically, and programme entries are also rearranged for a narrow screen. The HTML reading order is not changed, which helps the mobile version remain logical.

3.4 JavaScript enhancement

Only a small amount of JavaScript was added. It opens and closes the mobile navigation, updates the year in the footer and displays a local confirmation message for the demonstration contact form. The important content is still written in HTML rather than being generated by JavaScript. This keeps scripting as an enhancement to the interface rather than making the whole website depend on it.

3.5 Visual design decisions

The visual design uses a mainly blue-green colour palette to suggest technology while avoiding the very bright neon appearance often used on technology websites. Amber is used more sparingly for emphasis and focus. Rounded cards and generous spacing help prevent the pages from feeling crowded, and a maximum content width keeps long lines of text under control. The main illustration and speaker portraits are saved as local SVG files, so they stay sharp at different screen sizes without adding large image files. Arial was chosen because it is commonly available on standard computers.

3.6 Screen grabs of completed pages

**Thames Community
TechFest**

[Home](#) [Programme](#) [Speakers](#) [Contact](#)

**Free community technology event •
Saturday 17 October 2026**

Technology made useful, local and human.

Explore practical digital skills,
responsible AI, cyber safety and
creative technology through short
talks, hands-on workshops and
friendly conversations.

[View the programme](#)

[Plan your visit](#)

12
sessions

3
hands-on
workshops

6
local speakers

£0
entry fee



Why attend?

A welcoming place to learn practical digital skills

The programme is designed for beginners, students, small-business owners, families and curious members of the public.

Figure 1. Home page - event proposition and key calls to action.

Thames Community
TechFest

[Home](#) [Programme](#) [Speakers](#) [Contact](#)

One day · practical sessions

Programme

Sessions are deliberately concise, with breaks built in to support concentration, conversation and accessibility.

10:00

Welcome

Opening: digital confidence for everyone

Orientation, accessibility information and an overview of the day.

10:30

Talk

Responsible AI without the hype

What generative AI can do, where it can fail, and how to check outputs before relying on them.

11:20

Workshop

Safer online in 30 minutes

Create a stronger passphrase, recognise common phishing patterns and build a simple account-recovery checklist.

Figure 2. Programme page - chronological schedule.

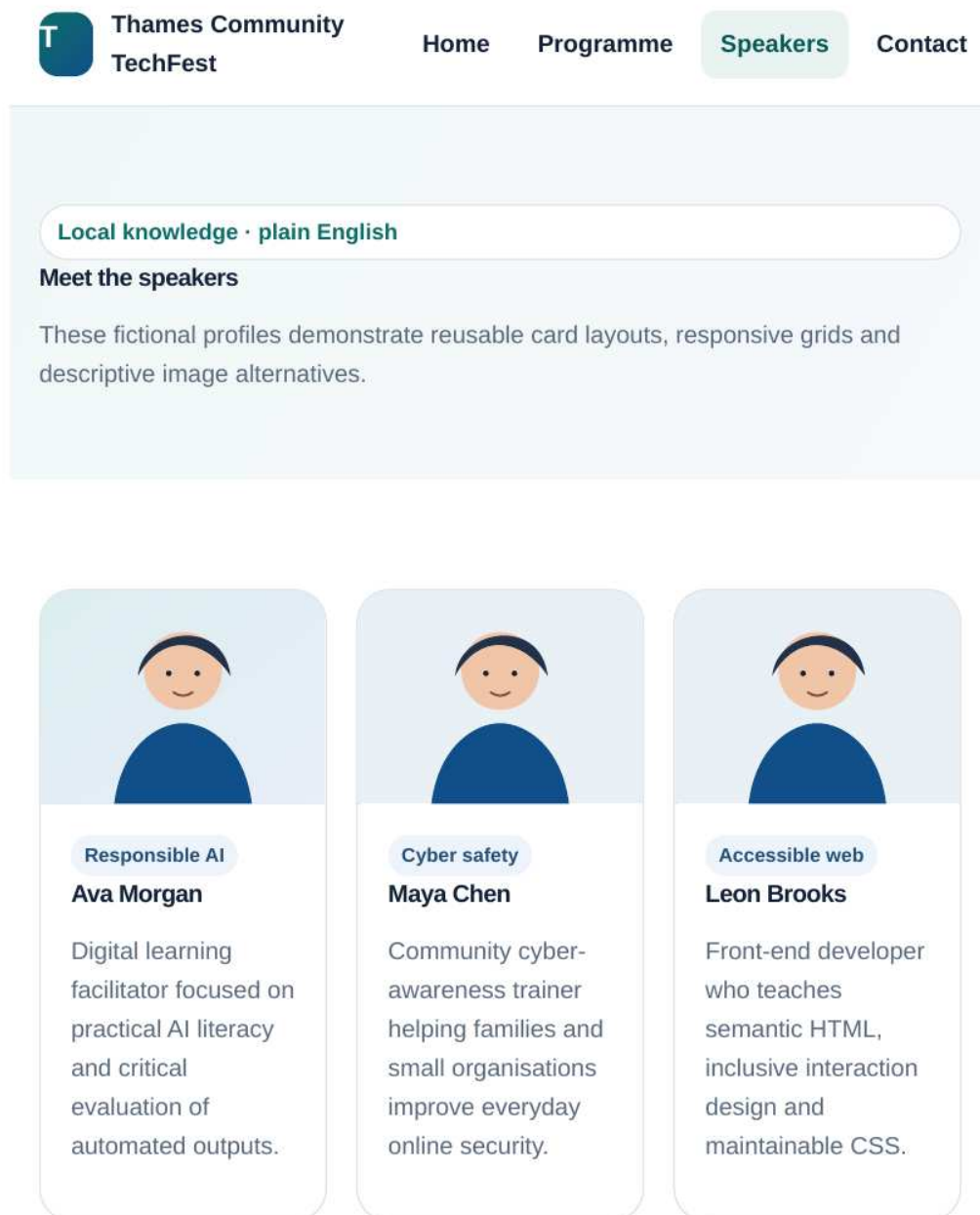


Figure 3. Speakers page - responsive profile-card layout.

T

Thames Community
TechFest

Home

Programme

Speakers

Contact

Plan your visit

Contact and venue

This demonstration page includes accessible form labels, required-field validation and clear information hierarchy.

Send a question

Name

Email

Topic

General enquiryv

Message

Send demonstration message

Riverside Community Hall

18 River Walk
Thames Borough
TB1 4XY

Doors: 09:30
Programme: 10:00-16:30

Access information

Step-free entrance, accessible toilet, quiet seating zone and reserved front-row spaces are included in the fictional venue plan.

Figure 4. Contact page - accessible enquiry form and venue details.

4. Validation and Quality Assurance

4.1 HTML validation approach

The W3C Markup Validation Service provides a recognised way of checking whether HTML follows web standards [4]. During development, the pages were also checked for basic structural requirements, including the HTML5 doctype, language declaration, UTF-8 character encoding, viewport setting, unique page titles, a single main h1 and working local links. A genuine online validator result was not available in the environment used to prepare this document, so no pass result has been invented. Before the final Moodle upload, index.html should be submitted to the W3C validator and the result captured as evidence. Any reported error should be traced to the relevant line, corrected in the source file and checked again.

4.2 CSS validation approach

The main stylesheet should also be checked with the W3C CSS Validation Service [5]. Before submission, the CSS was reviewed for common problems such as unmatched braces, incorrect property values and inconsistent selectors. The site also uses modern CSS features including custom properties, Grid, Flexbox and media queries. The final style.css file should be uploaded to the W3C CSS validator from an internet-connected browser and the actual result added to the report. If the validator reports warnings for a modern but valid feature, the warning can be explained rather than changing working CSS simply to remove the message.

4.3 Functional testing

- All four navigation links use relative page paths and point to existing files.
- All images are local SVG files and load from the images folder.
- The contact form uses native HTML required and email validation before the local JavaScript confirmation is displayed.
- The mobile navigation button exposes aria-expanded and targets the navigation through aria-controls.
- No external font, framework, image API or CDN is required, preserving offline operation.

5. Evaluation: Usability, Accessibility and SEO

5.1 Usability

Usability is concerned with how easily people can use a website to achieve what they came to do. For a website, this includes being able to understand the navigation, find information without unnecessary effort, read the content comfortably and predict what links and controls will do. Performance also matters because slow pages interrupt the experience. A usable site should reduce confusion and mistakes rather than forcing the visitor to work out how the interface operates.

Palmer examined website usability through factors such as download delay, navigation, content, interactivity and responsiveness, and found that these characteristics were linked with website success [1]. This is relevant to the TechFest project because the site keeps navigation shallow, uses

lightweight local media and separates information into clear sections. A more recent mixed-methods study of a university website also shows why usability should not be judged only by appearance; task completion and users' own perceptions both provide useful evidence [9].

5.2 Accessibility

Web accessibility aims to make online content usable by people with a wide range of abilities and disabilities. WCAG 2.1 groups its guidance under four principles: Perceivable, Operable, Understandable and Robust [3]. Accessibility matters because websites are now a normal route to information, communication and services. It is also broader than permanent disability; clear layouts, keyboard access and readable content can help older users, people using small screens and users dealing with temporary limitations.

Research supports the view that accessibility can improve the experience for more than one group of users. A controlled study involving people with and without visual impairments reported better task performance and user ratings when WCAG recommendations were implemented more fully [2]. Another study involving nondisabled users across different ages and devices also found benefits from accessible website design [6]. This suggests that accessibility should be considered during normal design work rather than added at the end as a separate feature.

5.3 Search Engine Optimisation (SEO)

Search Engine Optimisation (SEO) is the practice of making web pages easier for search engines to understand and more likely to appear for relevant searches. Many SEO techniques also improve the site for human visitors. Clear page titles, useful descriptions, logical headings and sensible internal links make the subject of a page easier to recognise. Technical factors such as crawlability and page performance are also part of SEO.

Giomelakis and Veglis identified factors such as website structure, loading time, title keywords and backlinks as relevant to search ranking, although no single factor works in isolation [7]. Research into keyword selection also highlights the relationship between relevant content, authority and the intention behind a user's search [8]. For this small event website, the most realistic areas to control are therefore page titles, headings, internal links, descriptive content and performance. Backlinks and wider online authority would only become meaningful if the event website were actually published and promoted.

6. Evaluation of the Developed Website

6.1 Usefulness and utility

In terms of utility, the website provides the main functions that were planned. Visitors can understand the event, check the programme, read about the speakers and find contact or venue information. Navigation links connect the pages consistently. The contact form demonstrates browser-side validation, but it clearly states that information is not actually sent because the project has no server-side system. For a standalone assessment website, this is more appropriate than pretending that a real booking or messaging service exists.

6.2 Usability: look, feel and ease of use

The navigation appears in the same order on every page, which helps users build familiarity as they move around the site. The current page is shown visually and is also identified with aria-current. Calls

to action use direct wording such as 'View the programme' and 'Plan your visit'. Information is broken into cards and shorter sections so that it can be scanned more easily. On narrow screens, columns stack instead of creating horizontal scrolling. One weakness is that the mobile menu depends on JavaScript to open. A later version could provide a stronger fallback for situations where scripting is unavailable.

6.3 Content quality

The written content was created specifically for this event rather than using generic placeholder text. Programme descriptions are short and use fairly plain language, and dates and times are kept consistent from page to page. The speakers and venue are fictional, and the site states that it is a student project. This avoids presenting invented information as if it described a real public event.

6.4 On-page SEO techniques

Technique	Evidence in the site
Title tags	Each page has a unique title. Example: <title>Programme Thames Community TechFest 2026</title>.
Meta descriptions	Each page includes a concise summary aimed at likely search intent.
Header structure	One h1 identifies the page; h2/h3 elements divide major topics and cards.
Image alternatives	Meaningful images have descriptive alt text; purely decorative brand marks are hidden from assistive technology.
Keyword use	Terms such as “community technology event”, “cyber safety”, “responsible AI” and “accessible web” occur naturally in relevant content.
Internal linking	Primary navigation and contextual calls to action create direct links between related pages.

6.5 Accessibility against WCAG 2.1 POUR

Principle	Evidence	Remaining risk / improvement
Perceivable	Text alternatives on images; readable type; colour is not the only navigation indicator; no audio/video.	Run a formal contrast checker on every text/background combination and document ratios.
Operable	Skip link, keyboard-focus styles, native links/buttons/form controls and no timed interactions.	Perform a recorded keyboard-only walkthrough and screen-reader test.
Understandable	Consistent menu order, plain-language labels, predictable form behaviour and native validation.	Add more detailed inline error guidance for complex forms if backend functionality is introduced.
Robust	Semantic HTML5 landmarks, labels, language declaration and standards-oriented structure.	Complete W3C validation and automated axe/WAVE checks before final submission.

Tools such as WAVE, axe DevTools and contrast checkers can help identify common accessibility problems. However, an automated result does not prove that a website is fully accessible. Keyboard testing, checking focus order and, where possible, testing with a screen reader are still important. As these online checks were not run in the environment used for this version of the report, no issue count has been invented.

7. Comparison of Two Live Event Websites

Eventbrite and Meetup were chosen for comparison because both are well-known services for finding events and activities. The comparison considers what can be observed on their public-facing pages rather than any private performance data. Eventbrite places strong emphasis on searching for events, browsing categories and choosing locations. Meetup also supports event discovery, but gives more attention to groups, communities and explanations of how participation works [10], [11].

Area	Eventbrite	Meetup	Judgement / lesson
Usability	Search-led interface; event categories and destination browsing are immediately prominent.	Search plus community messaging, categories, events and “how it works” content.	Eventbrite is faster for direct event discovery; Meetup communicates community purpose more strongly.
Accessibility	Public structure exposes search controls, headings and category links, but a full browser audit is still required.	A visible “Skip to content” link and structured headings are present on the homepage [11].	Meetup demonstrates an explicit keyboard-navigation affordance that is worth copying.
SEO	Descriptive page title references local events and things to do; substantial location/category text supports discovery [10].	Title targets local groups, events and activities; broad topical/category content creates internal discovery routes [11].	Both align visible content with likely search intent rather than relying on hidden metadata alone.
Mobile friendliness	Modern event discovery design is structured around search and filter controls suitable for narrow layouts.	Content is modular and card/category based, which lends itself to responsive stacking.	The developed TechFest site adopts similarly modular content but with much lower complexity.
Overall	Strongest for quickly finding a specific event or category.	Strongest for explaining belonging, groups and recurring community activity.	For TechFest, a hybrid is best: Eventbrite-like clarity plus Meetup-like explanation of purpose.

If numerical accessibility results are required, both live websites should be checked with the same tool, such as WAVE or axe, shortly before submission. Live websites change regularly, so copying an old issue count would not be reliable. Using the same tool and recording the date of the test would make the comparison more defensible.

8. Recommendations for Improvement

- Add a real registration or contact backend with secure server-side validation and privacy messaging.
- Run user testing with representative participants and measure task completion, time-on-task and satisfaction.
- Complete W3C HTML/CSS validation, WAVE/axe automated checks, keyboard-only testing and a screen-reader walkthrough, then include dated evidence.
- Add structured data (for example Event schema) if the project is deployed publicly, while keeping visible event details consistent with the structured data.
- Optimise images further and add a simple performance budget if additional media is introduced.
- Consider a dark mode only after testing contrast and user preference support; the current single theme is intentionally simple and predictable.

9. Conclusion

Overall, Thames Community TechFest 2026 meets the main practical requirements of the brief. It is a hand-coded, multi-page website that adapts to different screen sizes, uses semantic HTML and keeps

a consistent visual identity. Relative links and local assets mean that the project can be zipped, transferred to another computer and opened without a development environment. The design was influenced by usability, accessibility and SEO rather than appearance alone. Its main strengths are the simple information structure, consistent navigation, responsive layout and shared stylesheet. Before final submission, the most important remaining step is to collect genuine evidence from the W3C validators and accessibility testing tools. Including dated results would strengthen the evaluation and clearly separate what has been designed into the website from what has been formally tested.

10. References

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- [10] Eventbrite, "Eventbrite - Discover the Best Local Events & Things to Do," 2026. [Online]. Available: <https://www.eventbrite.co.uk/>. Accessed: Aug. 2026.
- [11] Meetup, "Meetup | Find Local Groups, Events, and Activities Near You," 2026. [Online]. Available: <https://www.meetup.com/>. Accessed: Aug. 2026.

Appendix A - HTML Code

Full HTML listings

index.html

```
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width,initial-scale=1">
<title>Thames Community TechFest 2026 | Home</title>
<meta name="description" content="Discover Thames Community TechFest 2026, a friendly one-day event for digital skills,
practical workshops, local innovation and community networking.">
<link rel="stylesheet" href="css/style.css">
</head>
<body>
<a class="skip-link" href="#main">Skip to main content</a>
<header class="site-header">
<div class="nav-wrap">
<a class="brand" href="index.html">
<span class="brand-mark" aria-hidden="true">T</span>
<span>Thames Community TechFest</span>
</a>
<button class="nav-toggle" type="button" aria-expanded="false" aria-controls="primary-nav">Menu</button>
<nav class="site-nav" id="primary-nav" aria-label="Primary navigation">
<ul>
<li>
<a href="index.html" aria-current="page">Home</a>
</li>
<li>
<a href="programme.html">Programme</a>
</li>
<li>
<a href="speakers.html">Speakers</a>
</li>
<li>
<a href="contact.html">Contact</a>
</li>
</ul>
</nav>
</div>
</header>
<main id="main">
<section class="hero">
<div class="hero-grid">
<div class="reveal">
<span class="eyebrow">Free community technology event · Saturday 17 October 2026</span>
<h1>Technology made useful, local and human.</h1>
<p>Explore practical digital skills, responsible AI, cyber safety and creative technology through short talks, hands-on
workshops and friendly conversations.</p>
<div class="cta-row">
<a class="btn btn-primary" href="programme.html">View the programme</a>
<a class="btn btn-secondary" href="contact.html">Plan your visit</a>
</div>
</div>
<div class="hero-art reveal">

</div>
</div>
</section>
```

```

<div class="stat-strip" aria-label="Event highlights">
<div class="stat">
<strong>12</strong>
<span>sessions</span>
</div>
<div class="stat">
<strong>3</strong>
<span>hands-on workshops</span>
</div>
<div class="stat">
<strong>6</strong>
<span>local speakers</span>
</div>
<div class="stat">
<strong>£0</strong>
<span>entry fee</span>
</div>
</div>
<section class="section">
<div class="container">
<div class="section-head">
<span class="eyebrow">Why attend?</span>
<h2>A welcoming place to learn practical digital skills</h2>
<p class="muted">The programme is designed for beginners, students, small-business owners, families and curious members of the public.</p>
</div>
<div class="cards">
<article class="card">
<div class="icon-chip" aria-hidden="true">01</div>
<h3>Learn by doing</h3>
<p>Try short guided activities on online safety, AI prompting and accessible design rather than only listening to presentations.</p>
</article>
<article class="card">
<div class="icon-chip" aria-hidden="true">02</div>
<h3>Ask real questions</h3>
<p>Speakers use plain language and reserve time for questions, helping visitors connect technology with everyday needs.</p>
</article>
<article class="card">
<div class="icon-chip" aria-hidden="true">03</div>
<h3>Meet local people</h3>
<p>Network with learners, volunteers and practitioners interested in improving digital confidence across the community.</p>
</article>
</div>
</div>
</section>
<section class="section alt">
<div class="container">
<div class="two-col">
<div>
<span class="eyebrow">Featured session</span>
<h2>Safer online in 30 minutes</h2>
<p class="muted">A practical session on passphrases, phishing clues, software updates and account recovery. No specialist knowledge is required.</p>
<a class="btn btn-primary" href="programme.html#cyber-safety">See session details</a>
</div>
<div class="notice">
<strong>Accessible by design.</strong>
<p>This site uses semantic headings, keyboard-friendly navigation, visible focus states, descriptive alternative text, responsive layouts and reduced-motion support.</p>

```

```

</div>
</div>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-grid">
<div>
<strong>Thames Community TechFest 2026</strong>
<p>A fictional student web-development project demonstrating responsive, semantic and accessible front-end design.</p>
</div>
<div>
<strong>Explore</strong>
<p>
<a href="programme.html">Programme</a>
<br>
<a href="speakers.html">Speakers</a>
<br>
<a href="contact.html">Contact</a>
</p>
</div>
<div>
<strong>Event</strong>
<p>Saturday 17 October 2026<br>10:00-16:30<br>Riverside Community Hall</p>
</div>
</div>
<div class="footer-small">© <span data-year>2026</span> Thames Community TechFest. Student project.</div>
</footer>
<script src="js/script.js">
</script>
</body>
</html>

```

programme.html

```

<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width,initial-scale=1">
<title>Programme | Thames Community TechFest 2026</title>
<meta name="description" content="View the TechFest 2026 schedule covering digital confidence, cyber safety, responsible AI, accessible design and creative technology.">
<link rel="stylesheet" href="css/style.css">
</head>
<body>
<a class="skip-link" href="#main">Skip to main content</a>
<header class="site-header">
<div class="nav-wrap">
<a class="brand" href="index.html">
<span class="brand-mark" aria-hidden="true">T</span>
<span>Thames Community TechFest</span>
</a>
<button class="nav-toggle" type="button" aria-expanded="false" aria-controls="primary-nav">Menu</button>
<nav class="site-nav" id="primary-nav" aria-label="Primary navigation">
<ul>
<li>
<a href="index.html">Home</a>
</li>
<li>
<a href="programme.html" aria-current="page">Programme</a>
</li>

```

```

<li>
<a href="speakers.html">Speakers</a>
</li>
<li>
<a href="contact.html">Contact</a>
</li>
</ul>
</nav>
</div>
</header>
<main id="main">
<section class="page-hero">
<div class="container">
<span class="eyebrow">One day · practical sessions</span>
<h1>Programme</h1>
<p class="muted">Sessions are deliberately concise, with breaks built in to support concentration, conversation and accessibility.</p>
</div>
</section>
<section class="section">
<div class="container">
<div class="timeline">
<article class="session">
<time datetime="2026-10-17T10:00">10:00</time>
<div>
<span class="tag">Welcome</span>
<h2>Opening: digital confidence for everyone</h2>
<p>Orientation, accessibility information and an overview of the day.</p>
</div>
</article>
<article class="session">
<time datetime="2026-10-17T10:30">10:30</time>
<div>
<span class="tag">Talk</span>
<h2>Responsible AI without the hype</h2>
<p>What generative AI can do, where it can fail, and how to check outputs before relying on them.</p>
</div>
</article>
<article class="session" id="cyber-safety">
<time datetime="2026-10-17T11:20">11:20</time>
<div>
<span class="tag">Workshop</span>
<h2>Safer online in 30 minutes</h2>
<p>Create a stronger passphrase, recognise common phishing patterns and build a simple account-recovery checklist.</p>
</div>
</article>
<article class="session">
<time datetime="2026-10-17T12:10">12:10</time>
<div>
<span class="tag">Break</span>
<h2>Lunch and community networking</h2>
<p>Quiet seating is available alongside the main refreshment area.</p>
</div>
</article>
<article class="session">
<time datetime="2026-10-17T13:10">13:10</time>
<div>
<span class="tag">Workshop</span>
<h2>Build an accessible web page</h2>
<p>Use semantic HTML, clear headings, useful alt text and keyboard-friendly controls.</p>
</div>

```

```

</article>
<article class="session">
<time datetime="2026-10-17T14:10">14:10</time>
<div>
<span class="tag">Talk</span>
<h2>Small-business digital toolkit</h2>
<p>A practical overview of low-cost websites, booking tools, backups and customer communication.</p>
</div>
</article>
<article class="session">
<time datetime="2026-10-17T15:00">15:00</time>
<div>
<span class="tag">Workshop</span>
<h2>Creative coding mini-lab</h2>
<p>Make a simple interactive visual using HTML, CSS and a small amount of JavaScript.</p>
</div>
</article>
<article class="session">
<time datetime="2026-10-17T16:00">16:00</time>
<div>
<span class="tag">Closing</span>
<h2>Questions, next steps and resources</h2>
<p>Recap the day and signpost visitors to free learning resources.</p>
</div>
</article>
</div>
</div>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-grid">
<div>
<strong>Thames Community TechFest 2026</strong>
<p>Technology made useful, local and human.</p>
</div>
<div>
<strong>Explore</strong>
<p>
<a href="index.html">Home</a>
<br>
<a href="speakers.html">Speakers</a>
<br>
<a href="contact.html">Contact</a>
</p>
</div>
<div>
<strong>Event</strong>
<p>Saturday 17 October 2026<br>10:00-16:30</p>
</div>
</div>
<div class="footer-small">© <span data-year>2026</span> Thames Community TechFest. Student project.</div>
</footer>
<script src="js/script.js">
</script>
</body>
</html>

```

speakers.html

```

<!doctype html>
<html lang="en">
<head>

```

```

<meta charset="utf-8">
<meta name="viewport" content="width=device-width,initial-scale=1">
<title>Speakers | Thames Community TechFest 2026</title>
<meta name="description" content="Meet the fictional community practitioners speaking at Thames Community TechFest 2026 on AI, cyber safety and accessible web design.">
<link rel="stylesheet" href="css/style.css">
</head>
<body>
<a class="skip-link" href="#main">Skip to main content</a>
<header class="site-header">
<div class="nav-wrap">
<a class="brand" href="index.html">
<span class="brand-mark" aria-hidden="true">T</span>
<span>Thames Community TechFest</span>
</a>
<button class="nav-toggle" type="button" aria-expanded="false" aria-controls="primary-nav">Menu</button>
<nav class="site-nav" id="primary-nav" aria-label="Primary navigation">
<ul>
<li>
<a href="index.html">Home</a>
</li>
<li>
<a href="programme.html">Programme</a>
</li>
<li>
<a href="speakers.html" aria-current="page">Speakers</a>
</li>
<li>
<a href="contact.html">Contact</a>
</li>
</ul>
</nav>
</div>
</header>
<main id="main">
<section class="page-hero">
<div class="container">
<span class="eyebrow">Local knowledge · plain English</span>
<h1>Meet the speakers</h1>
<p class="muted">These fictional profiles demonstrate reusable card layouts, responsive grids and descriptive image alternatives.</p>
</div>
</section>
<section class="section">
<div class="container">
<div class="speaker-grid">
<article class="card speaker">

<div class="speaker-body">
<span class="tag">Responsible AI</span>
<h2>Ava Morgan</h2>
<p class="muted">Digital learning facilitator focused on practical AI literacy and critical evaluation of automated outputs.</p>
</div>
</article>
<article class="card speaker">

<div class="speaker-body">
<span class="tag">Cyber safety</span>
<h2>Maya Chen</h2>
<p class="muted">Community cyber-awareness trainer helping families and small organisations improve everyday online security.</p>

```

```

</div>
</article>
<article class="card speaker">

<div class="speaker-body">
<span class="tag">Accessible web</span>
<h2>Leon Brooks</h2>
<p class="muted">Front-end developer who teaches semantic HTML, inclusive interaction design and maintainable CSS.</p>
</div>
</article>
</div>
<section class="section alt" style="margin-top:2rem;border-radius:22px">
<div class="section-head">
<h2>Speaker principles</h2>
<p class="muted">Every session follows three simple rules: explain specialist terms, demonstrate with realistic examples, and leave enough time for questions.</p>
</div>
<div class="badge-list" aria-label="Speaker principles">
<span class="badge">Plain language</span>
<span class="badge">Practical examples</span>
<span class="badge">Inclusive delivery</span>
<span class="badge">Question time</span>
</div>
</section>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-grid">
<div>
<strong>Thames Community TechFest 2026</strong>
<p>A fictional student project.</p>
</div>
<div>
<strong>Explore</strong>
<p>
<a href="index.html">Home</a>
<br>
<a href="programme.html">Programme</a>
<br>
<a href="contact.html">Contact</a>
</p>
</div>
<div>
<strong>Event</strong>
<p>Saturday 17 October 2026<br>10:00-16:30</p>
</div>
</div>
<div class="footer-small">© <span data-year>2026</span> Thames Community TechFest. Student project.</div>
</footer>
<script src="js/script.js">
</script>
</body>
</html>

```

contact.html

```

<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width,initial-scale=1">

```

```

<title>Contact & Visit | Thames Community TechFest 2026</title>
<meta name="description" content="Plan your visit to Thames Community TechFest 2026 and use the local demonstration
contact form for event questions.">
<link rel="stylesheet" href="css/style.css">
</head>
<body>
<a class="skip-link" href="#main">Skip to main content</a>
<header class="site-header">
<div class="nav-wrap">
<a class="brand" href="index.html">
<span class="brand-mark" aria-hidden="true">T</span>
<span>Thames Community TechFest</span>
</a>
<button class="nav-toggle" type="button" aria-expanded="false" aria-controls="primary-nav">Menu</button>
<nav class="site-nav" id="primary-nav" aria-label="Primary navigation">
<ul>
<li>
<a href="index.html">Home</a>
</li>
<li>
<a href="programme.html">Programme</a>
</li>
<li>
<a href="speakers.html">Speakers</a>
</li>
<li>
<a href="contact.html" aria-current="page">Contact</a>
</li>
</ul>
</nav>
</div>
</header>
<main id="main">
<section class="page-hero">
<div class="container">
<span class="eyebrow">Plan your visit</span>
<h1>Contact and venue</h1>
<p class="muted">This demonstration page includes accessible form labels, required-field validation and clear information
hierarchy.</p>
</div>
</section>
<section class="section">
<div class="container">
<div class="two-col">
<section class="contact-card">
<h2>Send a question</h2>
<form id="contact-form" class="form-grid">
<div class="field">
<label for="name">Name</label>
<input id="name" name="name" autocomplete="name" required>
</div>
<div class="field">
<label for="email">Email</label>
<input id="email" name="email" type="email" autocomplete="email" required>
</div>
<div class="field">
<label for="topic">Topic</label>
<select id="topic" name="topic">
<option>General enquiry</option>
<option>Accessibility</option>
<option>Programme</option>
</select>

```

```

</div>
<div class="field">
<label for="message">Message</label>
<textarea id="message" name="message" required>
</textarea>
</div>
<button class="btn btn-primary" type="submit">Send demonstration message</button>
<p id="form-status" class="muted" aria-live="polite">No information is transmitted; the site works fully offline.</p>
</form>
</section>
<section>
<div class="contact-card">
<h2>Riverside Community Hall</h2>
<p>18 River Walk<br>Thames Borough<br>TB1 4XY</p>
<p>
<strong>Doors:</strong> 09:30<br>
<strong>Programme:</strong> 10:00-16:30</p>
<div class="notice">
<strong>Access information</strong>
<p>Step-free entrance, accessible toilet, quiet seating zone and reserved front-row spaces are included in the fictional venue plan.</p>
</div>
</div>
<div class="faq">
<h2>Frequently asked questions</h2>
<details>
<summary>Do I need previous technical experience?</summary>
<p>No. The event is designed for a mixed audience and specialist terms are explained.</p>
</details>
<details>
<summary>Does the website work without internet access?</summary>
<p>Yes. All HTML, CSS, JavaScript and images use relative local paths.</p>
</details>
</div>
</section>
</div>
</div>
</section>
</main>
<footer class="site-footer">
<div class="footer-grid">
<div>
<strong>Thames Community TechFest 2026</strong>
<p>Technology made useful, local and human.</p>
</div>
<div>
<strong>Explore</strong>
<p>
<a href="index.html">Home</a>
<br>
<a href="programme.html">Programme</a>
<br>
<a href="speakers.html">Speakers</a>
</p>
</div>
<div>
<strong>Event</strong>
<p>Saturday 17 October 2026<br>10:00-16:30</p>
</div>
</div>
<div class="footer-small">© <span data-year>2026</span> Thames Community TechFest. Student project.</div>

```

```
</footer>  
<script src="js/script.js">  
</script>  
</body>  
</html>
```

Appendix B - CSS Code

Full CSS listing

css/style.css

```
:root{--ink:#132238;--muted:#5a6a7d;--surface:#f5f8fb;--card:#fff;--brand:#0b6e69;--brand-2:#114f8b;--accent:#f2aa3a;--line:#dce4ec;--shadow:0 14px 35px rgba(19,34,56,.10);--radius:22px;--max:1160px}
*{box-sizing:border-box}html{scroll-behavior:smooth}body{margin:0;font-family:Arial,Helvetica,sans-serif;color:var(--ink);background:#fff;line-height:1.6}img,svg{max-width:100%;height:auto}a{color:var(--brand-2)}a:focus-visible,button:focus-visible,input:focus-visible,textarea:focus-visible{outline:3px solid var(--accent);outline-offset:3px}.skip-link{position:absolute;left:-9999px;top:8px;background:#fff;color:#000;padding:.7rem 1rem;z-index:999;border-radius:8px}.skip-link:focus{left:8px}.site-header{position:sticky;top:0;z-index:50;background:rgba(255,255,255,.96);border-bottom:1px solid var(--line);backdrop-filter:blur(10px)}.nav-wrap{max-width:var(--max);margin:auto;display:flex;align-items:center;justify-content:space-between;padding:.9rem 1.2rem}.brand{display:flex;gap:.75rem;align-items:center;text-decoration:none;color:var(--ink);font-weight:800}.brand-mark{width:42px;height:42px;border-radius:12px;background:linear-gradient(135deg,var(--brand),var(--brand-2));display:grid;place-items:center;color:white;font-size:1.25rem}.nav-toggle{display:none;border:1px solid var(--line);background:#fff;border-radius:10px;padding:.55rem .75rem;font-weight:700}.site-nav ul{display:flex;gap:.35rem;list-style:none;margin:0;padding:0}.site-nav a{display:block;text-decoration:none;color:var(--ink);padding:.6rem .8rem;border-radius:10px;font-weight:700}.site-nav a[aria-current="page"],.site-nav a:hover{background:#e8f3f2;color:#075b57}.hero{background:linear-gradient(135deg,#e9f6f4 0%,#eef4fb 55%,#fff7e8 100%);padding:5.5rem 1.2rem 4rem}.hero-grid{max-width:var(--max);margin:auto;display:grid;grid-template-columns:1.08fr .92fr;gap:3rem;align-items:center}.eyebrow{display:inline-flex;align-items:center;gap:.5rem;padding:.35rem .7rem;background:#fff;border:1px solid var(--line);border-radius:999px;font-weight:700;color:var(--brand);font-size:.92rem}.hero h1{font-size:clamp(2.5rem,6vw,5.2rem);line-height:1.02;margin:.9rem 0 1.1rem;letter-spacing:-.045em}.hero p{font-size:1.15rem;color:var(--muted);max-width:650px}.cta-row{display:flex;gap:.8rem;flex-wrap:wrap;margin-top:1.6rem}.btn{display:inline-block;text-decoration:none;border-radius:12px;padding:.8rem 1.1rem;font-weight:800;border:2px solid transparent}.btn-primary{background:var(--ink);color:#fff}.btn-secondary{background:#fff;color:var(--ink);border-color:var(--line)}.hero-art{background:#fff;border:1px solid var(--line);padding:1rem;border-radius:30px;box-shadow:var(--shadow)}.stat-strip{max-width:var(--max);margin:-1.6rem auto 0;position:relative;background:#fff;border:1px solid var(--line);box-shadow:var(--shadow);border-radius:18px;display:grid;grid-template-columns:repeat(4,1fr);overflow:hidden}.stat{padding:1.25rem;text-align:center}.stat+.stat{border-left:1px solid var(--line)}.stat strong{display:block;font-size:1.35rem}.section{padding:4.5rem 1.2rem}.section-alt{background:var(--surface)}.container{max-width:var(--max);margin:auto}.section-head{max-width:760px;margin-bottom:2rem}.section h2,.page-hero h1{font-size:clamp(2rem,4vw,3.4rem);line-height:1.1;letter-spacing:-.03em;margin:.2rem 0 0 .7rem}.muted{color:var(--muted)}.cards{display:grid;grid-template-columns:repeat(3,1fr);gap:1.2rem}.card{background:var(--card);border:1px solid var(--line);border-radius:var(--radius);padding:1.35rem;box-shadow:0 8px 24px rgba(19,34,56,.05)}.card h3{margin:.45rem 0}.icon-chip{width:46px;height:46px;border-radius:14px;display:grid;place-items:center;background:#e8f3f2;color:var(--brand);font-weight:900}.timeline{display:grid;gap:.9rem}.session{display:grid;grid-template-columns:120px 1fr;gap:1rem;background:#fff;border:1px solid var(--line);border-radius:16px;padding:1rem}.session time{font-weight:900;color:var(--brand-2)}.tag{display:inline-block;font-size:.8rem;background:#eef4fb;color:#214f78;border-radius:999px;padding:.2rem .55rem;font-weight:700}.speaker-grid{display:grid;grid-template-columns:repeat(3,1fr);gap:1.2rem}.speaker{overflow:hidden;padding:0}.speaker img{display:block;width:100%;aspect-ratio:4/3;object-fit:cover;background:#eaf1f6}.speaker-body{padding:1.25rem}.page-hero{padding:4rem 1.2rem 2.5rem;background:linear-gradient(120deg,#f2f8f7,#f6f8fb)}.page-hero .container{max-width:900px}.two-col{display:grid;grid-template-columns:1fr 1fr;gap:2rem}.contact-card{background:#fff;border:1px solid var(--line);border-radius:var(--radius);padding:1.5rem}.form-grid{display:grid;gap:1rem}.field label{display:block;font-weight:700;margin-bottom:.35rem}.field input,.field textarea,.field select{width:100%;font:inherit;padding:.75rem .8rem;border:1px solid #bfcdbd;border-radius:10px;background:#fff}.field textarea{min-height:130px;resize:vertical}.notice{padding:1rem;border-left:4px solid var(--accent);background:#fff8e9;border-radius:8px}.faq details{background:#fff;border:1px solid var(--line);border-radius:12px;padding:1rem;margin:.7rem 0}.faq summary{font-weight:800;cursor:pointer}.site-footer{background:#102136;color:#dce7f2;padding:2.5rem 1.2rem}.footer-grid{max-width:var(--max);margin:auto;display:grid;grid-template-columns:1.4fr 1fr 1fr;gap:2rem}.site-footer a{color:#fff}.footer-small{max-width:var(--max);margin:1.5rem auto 0;padding-top:1rem;border-top:1px solid rgba(255,255,255,.15);font-size:.9rem;color:#b8c7d5}.badge-list{display:flex;gap:.6rem;flex-wrap:wrap}.badge{background:#eef4fb;border-radius:999px;padding:.35rem .7rem;font-size:.85rem;font-weight:700}.code-note{font-family:Consolas,monospace;background:#eef4fb;padding:.1rem .35rem;border-radius:5px}.reveal{animation:rise .55s ease both}@keyframes rise{from{opacity:0;transform:translateY(12px)}to{opacity:1;transform:none}}@media (prefers-reduced-motion:reduce){html{scroll-behavior:auto}.reveal{animation:none}}
@media(max-width:820px){.nav-toggle{display:block}.site-nav{position:absolute;left:0;right:0;top:70px;background:#fff;border-bottom:1px solid var(--line);display:none}.site-nav.open{display:block}.site-nav ul{flex-direction:column;padding:1rem}.hero-grid,.two-col,.footer-grid{grid-template-columns:1fr}.hero{padding-top:3.4rem}.hero-art{max-width:620px}.cards,.speaker-grid{grid-template-columns:1fr}}
```

```
1fr}.stat-strip{grid-template-columns:1fr 1fr;margin:0;border-radius:0}.stat:nth-child(3){border-left:0;border-top:1px solid var(--line)}.stat:nth-child(4){border-top:1px solid var(--line)}}
@media(max-width:560px){.cards,.speaker-grid{grid-template-columns:1fr}.session{grid-template-columns:1fr}.stat-strip{grid-template-columns:1fr 1fr}.nav-wrap{padding:.8rem}.brand span:last-child{font-size:.92rem}.hero h1{font-size:2.7rem}}
```