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Test Project

Module D – CSS only

Web Technologies

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Introduction

A CSS-only design challenge. Competitors receive a single locked HTML file that must not be edited (except for the path of the linked CSS theme file). The goal is to implement four distinct visual themes and a full set of interactive UI components — tabs, slider, gallery lightbox, dropdown, accordion and form states — using only CSS. No JavaScript is used anywhere in this module.

Description of project and tasks

- The provided css_only_{theme}.html files share one locked HTML structure. Do not modify the HTML except for the CSS file path.
- All styling must be written in a single CSS file per theme.
- No external CSS or JavaScript files are permitted.
- No JavaScript is permitted or required: every interaction (tabs, slider, lightbox, dropdown, accordion) and every color scheme must work with CSS alone.
- Only Template C (Cyber) has two colour schemes: dark is the default, and a light variant applies automatically when the user's system is set to prefer light colours; there is no manual toggle. Templates A, B and D have a single light colour scheme — no dark scheme is required for them.
- Provided files: this document; four locked HTML files (css_only_simple.html, css_only_elegant.html, css_only_cyber.html, css_only_colorful.html); the images/ folder; four per-theme specification files (spec/); reference screenshots (screenshots/).

Required UI Components

The locked HTML already contains every element and hook these components need. Section 2.1 lists what is provided — for reference only, you must not and need not recreate it. Section 2.2 lists what your CSS must achieve.

Already provided by the locked HTML (for reference — no work needed)

- Tab and slider state: radio inputs with matching labels are already in place for the three tabs and the three slides.
- Lightbox: one .lightbox overlay element per gallery image (#lb-1 to #lb-6), each linked from its thumbnail and containing a .lightbox-close link back to #gallery.
- Data hooks: gallery items carry data-size and data-category; feature cards carry data-icon and data-tier; statistics carry data-value; timeline items carry data-year and data-highlight; the pricing table contains a .recommended cell.
- The FAQ accordion is built with <details>/<summary>; one item is open by default.
- The theme chooser dropdown's links already point to the four theme HTML files.
- The contact form already contains name, email, message and quantity fields; the quantity input is numeric with min 1 and max 10, and the native validation attributes are in place.
- mailto: and .pdf links are present in the page content.

What your CSS must achieve

- Tabs — only the selected panel is visible; the active tab label is highlighted.
- Photo slider — three slides translated horizontally with a sliding transition; the numbered controls (1–3) select a slide and the active control is highlighted.
- Responsive gallery — six images in a staggered mosaic; large items (data-size="large") span more tracks; the grid adapts from 1 column on mobile to 2 on tablet and 3–4 on desktop.

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- Image lightbox — clicking a gallery image opens its full-screen overlay using CSS only (no JavaScript); the close control returns to the gallery.
- Feature card icons — each card's icon is produced by CSS from its data-icon attribute.
- Statistics row — four figures with labels; the figures may be shown by CSS using each figure's data-value attribute.
- Timeline — each year badge is produced by CSS from the item's data-year attribute; data-highlight entries are emphasized.
- Pricing table — the entire row containing the .recommended cell is visually emphasized (e.g. enlarged or recolored).
- FAQ accordion — styled expandable items; the default-open item comes from the HTML.
- Theme chooser dropdown — opens on hover and on keyboard focus.
- Contact form — error styling appears only after user interaction or a submit attempt, never on page load; native browser validation blocks submission while fields are invalid.
- In-page navigation — nav links, the theme chooser dropdown and other anchor links scroll smoothly to their targets rather than jumping instantly.
- Link icons — links to email addresses are prefixed with an email icon and links to .pdf files with a document icon, both added by CSS.

CSS Architecture

- The state-keeping radio inputs must be hidden from view without disabling them: label clicks, keyboard interaction, and styling based on their state must all keep working — hiding them with display: none is not acceptable.
- Gallery: with exactly 6 items the staggered mosaic is shown; with any other count the gallery falls back to the regular responsive grid with no spanning.
- Navigation: with 5 or more items the links use compact sizing; with 4 or fewer the theme's default sizing applies. The exact default and compact sizes are specified per theme.
- Note: the locked HTML ships with 6 gallery items and 5 nav items, so the reference screenshots show the mosaic and the compact nav sizing.

Provided Themes

- Template A - Simple (css_only_simple) - sticky top horizontal navigation. Signature effect: hover sweep-fill on buttons (a fill sweeps across on hover and keyboard focus).
- Template B - Elegant (css_only_elegant) - sticky left sidebar navigation. Signature effect: filter card hover on gallery images (grayscale and blur settle into full color, with a caption overlay showing each item's data-category).
- Template C - Cyber (css_only_cyber) - fixed bottom navigation dock. Signature effect: terminal typing animation on the header eyebrow (a letter-by-letter reveal with a travelling caret).
- Template D - Colorful (css_only_colorful) - full-viewport slides with mandatory scroll-snapping (one slide per viewport, scroll snaps slide-by-slide) and a fixed right navigation rail. The snap effect is a required, separately markable feature of this theme. Signature effect: pulsing glow ring (an animated glowing ring) on the recommended pricing plan.

Note: Each provided theme demonstrates a distinct layout architecture and its own signature animation effect (sweep-fill, filter card, typing, pulse) - not only color and typography changes. You must achieve equivalent layout and effect differences using only CSS on the shared HTML structure.

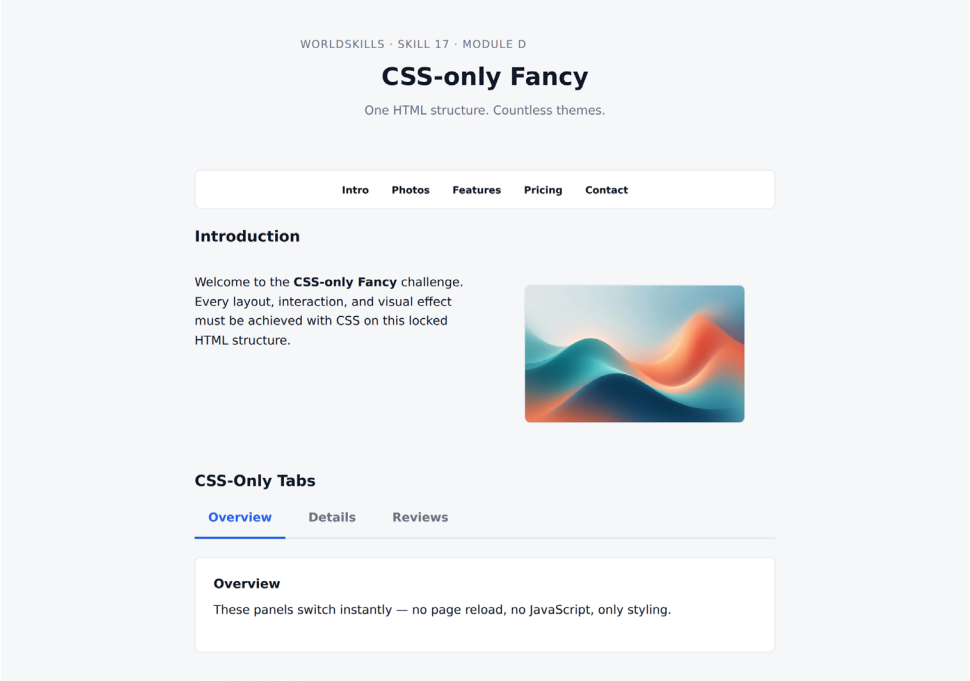
Design values are given as named CSS variables written with a double dash, such as --color-bg. Define each variable once with the exact name and value shown in the tables, then use these variables wherever the

specification references them, instead of repeating literal values. The variable names and values in the tables are required exactly as written; anything the specification does not mention is up to you, as long as the result matches the reference screenshots.

The complete specification of each theme is provided as a text file in the spec/ folder (theme-a-simple.txt, theme-b-elegant.txt, theme-c-cyber.txt, theme-d-colorful.txt), and reference screenshots captured at a 1280 px viewport are provided in the screenshots/ folder. These files are part of this test project and are as binding as this document. Templates A, B and D have a single light colour scheme; only Template C has two schemes (dark default, light variant) and the screenshots show both.

Template A - Simple (css_only_simple)

Full specification: spec/theme-a-simple.txt · Reference screenshots: screenshots/simple-*.png (1280 px viewport).

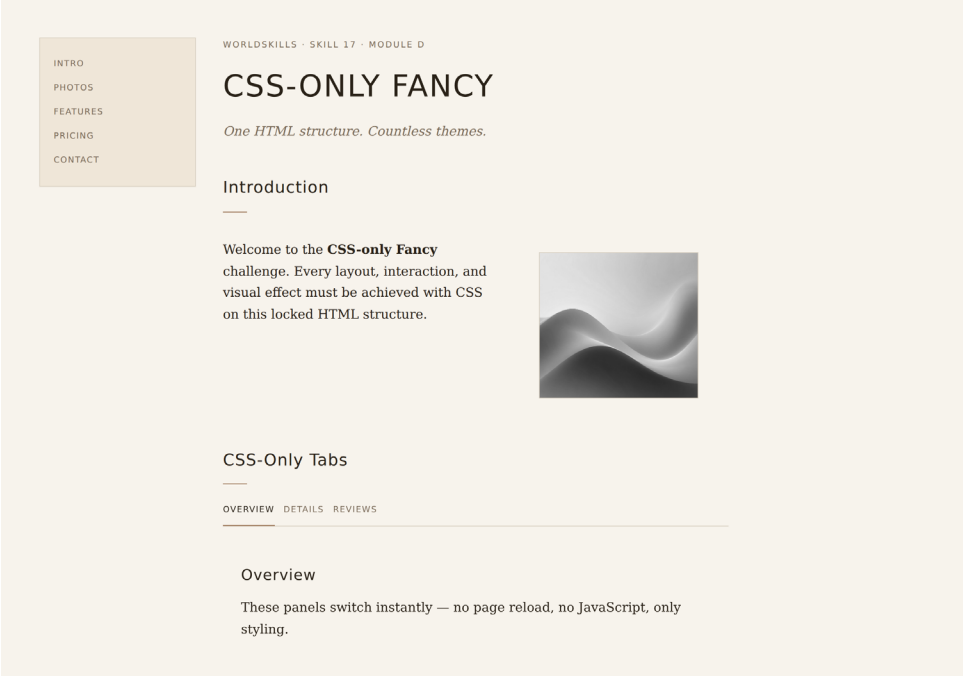


Page overview — sticky top navigation.

Template B — Elegant (css_only_elegant)

Full specification: spec/theme-b-elegant.txt · Reference screenshots: screenshots/elegant-*.png (1280 px viewport).

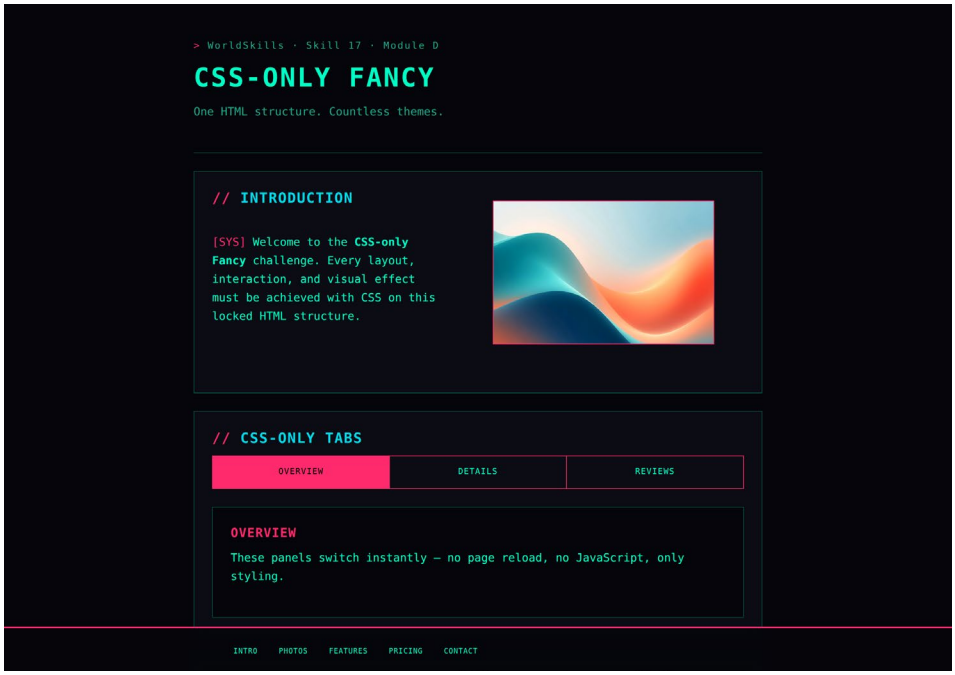
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Page overview — sticky left sidebar navigation.

Template C — Cyber (css_only_cyber)

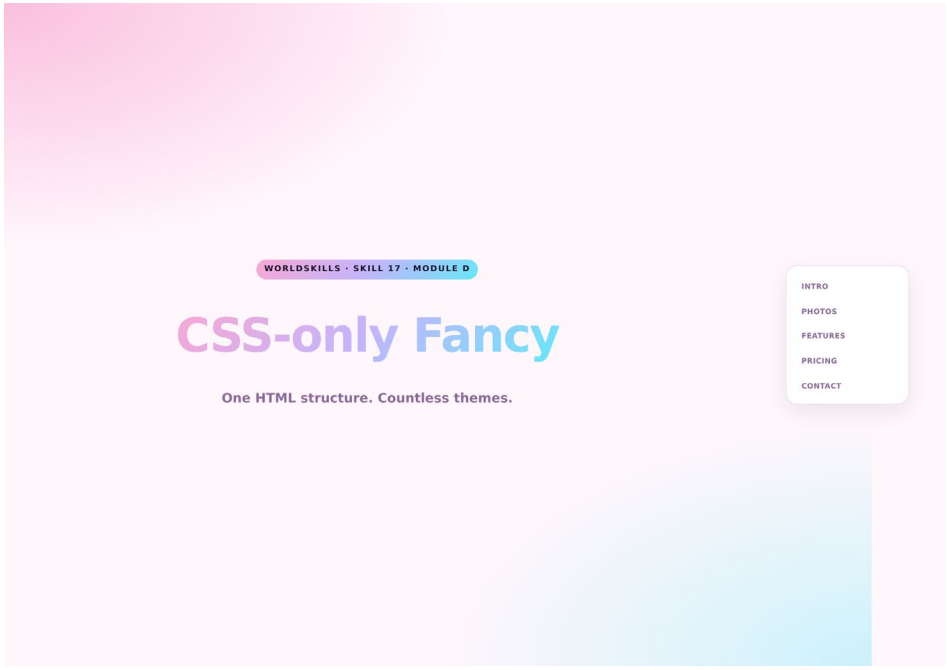
Full specification: spec/theme-c-cyber.txt · Reference screenshots: screenshots/cyber-dark-*.png (default dark scheme) and screenshots/cyber-*.png (light variant).



Overview — dark scheme (the default for this theme), fixed bottom navigation dock.

Template D - Colorful (css_only_colorful)

Full specification: spec/theme-d-colorful.txt · Reference screenshots: screenshots/colorful-*.png (1280 px viewport).



Page overview — hero slide with gradient title and fixed right navigation rail.

Instructions to the Competitor

- You need to commit your project to the git repository that you created on the submission platform.
- Please access to the submission platform dashboard by using the credentials you received.
- Keep the HTML files: css_only_simple.html, css_only_elegant.html, css_only_cyber.html, css_only_colorful.html — unmodified; their only permitted difference is the linked CSS file path.
- Provide your CSS files: css_only_simple.css, css_only_elegant.css, css_only_cyber.css, css_only_colorful.css - written by you, one CSS file per theme.
- The provided images folder (images/) - used as-is; do not rename or move it.

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