Process Report of

3 DESIGNED OBJECTS

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3 DESIGNED OBJECTS

WEB PAGES



Figure1.1

This is my first page of 3 designed objects (index.html). In this page, I've explained briefly about what a good design is, what are the objects I chose, and why I chose them. As from the reader's perspective, I want my web pages to be able to look clean and minimalist while being able to read the words and headings clearer. As in the screenshot, I have my web page name "3 Designed Objects" on the header together with navigation bar so that readers can see what this webpage is about and on the other side, you'll be able to see navigation links directing to Home page and other 3 objects' webpages so that users can easily click on those and see other products as well.



Figure 1.2

This is the second half of Home page and in this one, I've briefly showed my 3 chosen objects and explained why I chose them, alongside with footer. As you can see, I put 3 images in my web pages with shadows on the background so that readers can easily see what these images are and in my opinion, it also makes the images stand out from the webpages and that elevate the experience of seeing pictures in websites for users.

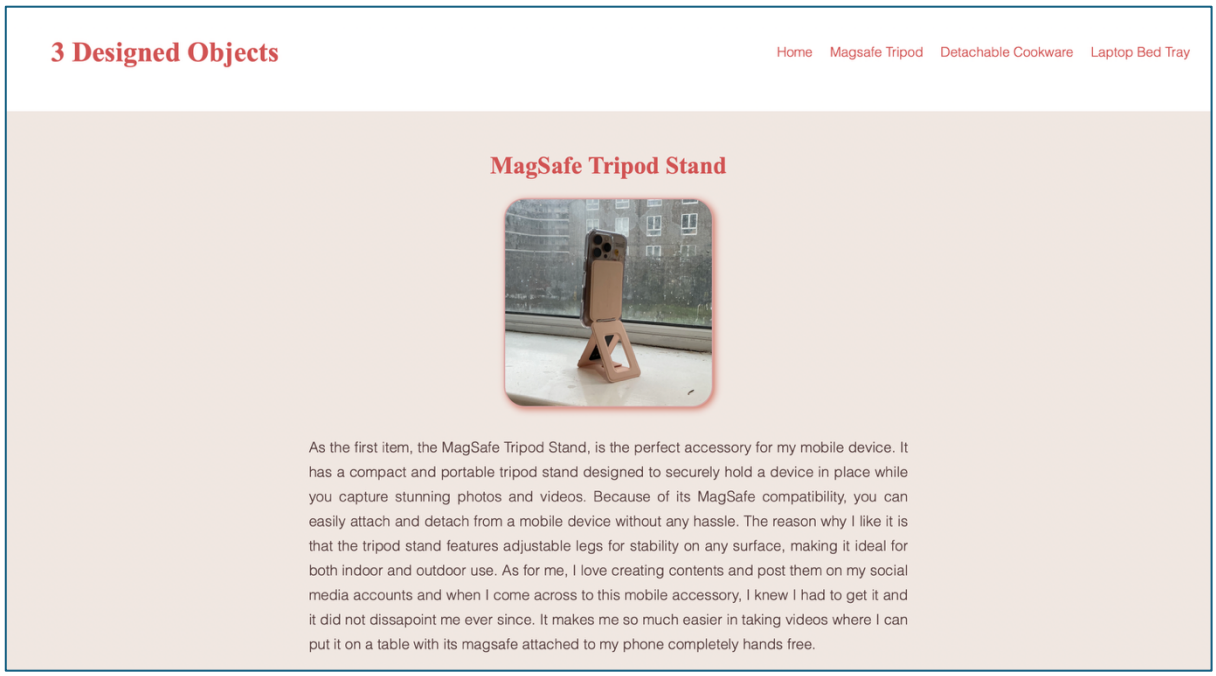


Figure 1.3

This is one of 3 objects web pages and as you can see on the page, the navigation bar stays the same so that users can easily navigate to other pages if required. Inside the web page, there's an object's name in header and in below is the description about an object explaining about why I chose this. As for the paragraph (<p>), I've aligned them at the centre of the page with equal padding to make users easier to read through the texts.

TYPOGRAPHY AND COLOUR



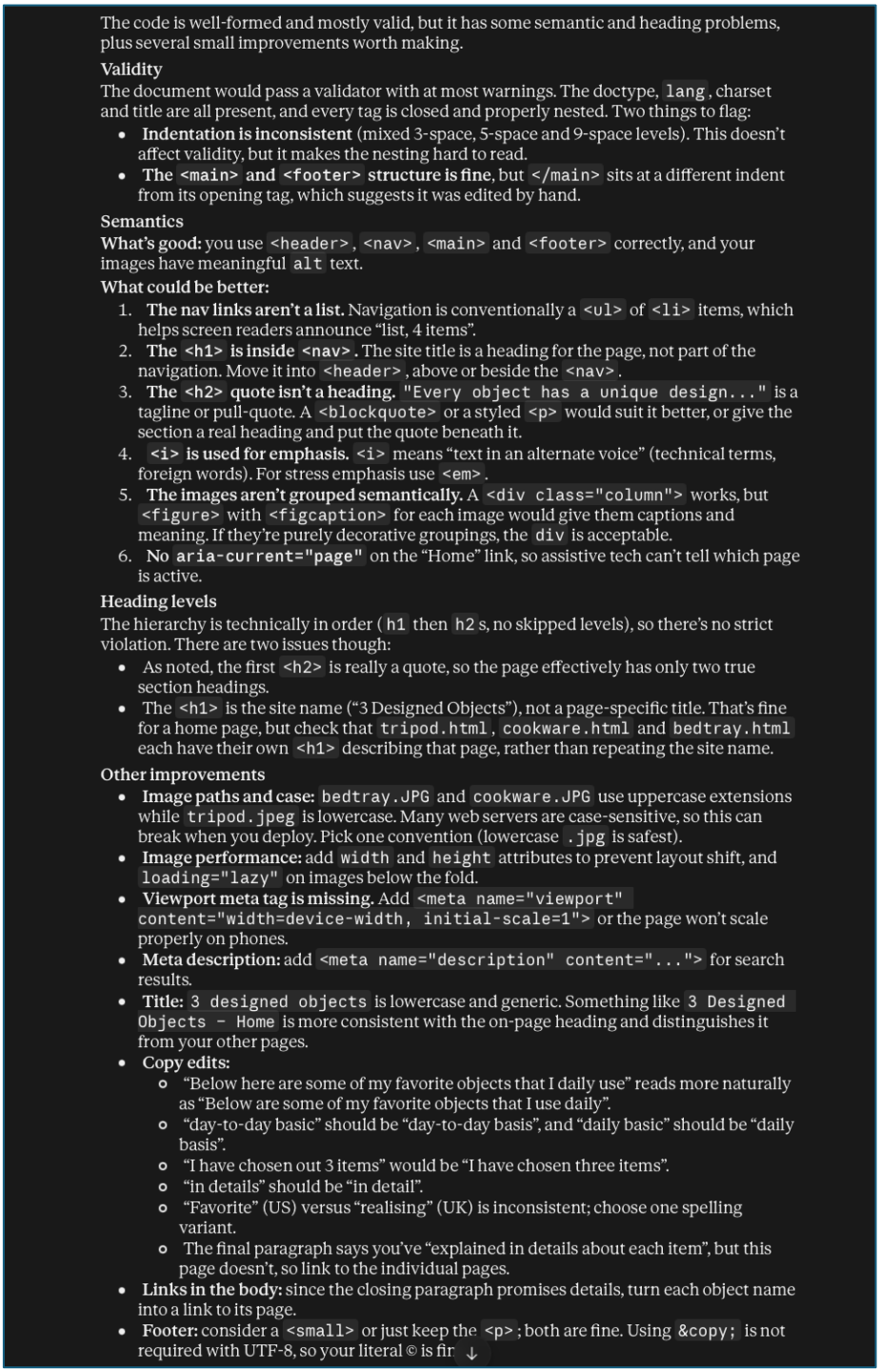
Figure 1.4

Let's talk about typography and layout of my web pages. First, as for the typography, I've used the simple **Times New Roman, serif font** for headings as I find it simple, yet elegant as it is also a very familiar font choice for users as well. As for the navigation links and the paragraphs, I've used **DM sans, sans-serif font** to also make it simple to read and it gives the feeling of professional web page. As for colour choice, I used **#d25454 (Chestnut Rose)** on headings to make it pop out from other contexts and I used muted tone **#f0e7e2 (Forever Faithful)** for the background so that the texts and headings can be seen clearly. As for the texts colour, it might seem like a regular black colour, but I used **#543c3c (Budapest Brown)** so that it matches the red colour from heading and the background colour. I've only used white on navigation bar and footer so that readers can tell apart the body tag and the other parts of the web page, still makes the web page looks elegant and clean. For line spacing, I used 1.5em so that it spaces out evenly between the lines and looks even cleaner.

COMPARISON OF 2 AI TOOLS

CLAUDE.AI

Prompt - "*Review the following HTML code. Is the code valid, is it semantically correct, does it have consistent heading levels? Are there any ways in which it could be improved?*"



The code is well-formed and mostly valid, but it has some semantic and heading problems, plus several small improvements worth making.

Validity

The document would pass a validator with at most warnings. The doctype, `lang`, charset and title are all present, and every tag is closed and properly nested. Two things to flag:

- **Indentation is inconsistent** (mixed 3-space, 5-space and 9-space levels). This doesn't affect validity, but it makes the nesting hard to read.
- **The `<main>` and `<footer>` structure is fine**, but `</main>` sits at a different indent from its opening tag, which suggests it was edited by hand.

Semantics

What's good: you use `<header>`, `<nav>`, `<main>` and `<footer>` correctly, and your images have meaningful `alt` text.

What could be better:

1. **The nav links aren't a list.** Navigation is conventionally a `<ul>` of `<li>` items, which helps screen readers announce "list, 4 items".
2. **The `<h1>` is inside `<nav>`.** The site title is a heading for the page, not part of the navigation. Move it into `<header>`, above or beside the `<nav>`.
3. **The `<h2>` quote isn't a heading.** `"Every object has a unique design..."` is a tagline or pull-quote. A `<blockquote>` or a styled `<p>` would suit it better, or give the section a real heading and put the quote beneath it.
4. **`<i>` is used for emphasis.** `<i>` means "text in an alternate voice" (technical terms, foreign words). For stress emphasis use `<em>`.
5. **The images aren't grouped semantically.** A `<div class="column">` works, but `<figure>` with `<figcaption>` for each image would give them captions and meaning. If they're purely decorative groupings, the `div` is acceptable.
6. **No `aria-current="page"`** on the "Home" link, so assistive tech can't tell which page is active.

Heading levels

The hierarchy is technically in order (`h1` then `h2`s, no skipped levels), so there's no strict violation. There are two issues though:

- As noted, the first `<h2>` is really a quote, so the page effectively has only two true section headings.
- The `<h1>` is the site name ("3 Designed Objects"), not a page-specific title. That's fine for a home page, but check that `tripod.html`, `cookware.html` and `bedtray.html` each have their own `<h1>` describing that page, rather than repeating the site name.

Other improvements

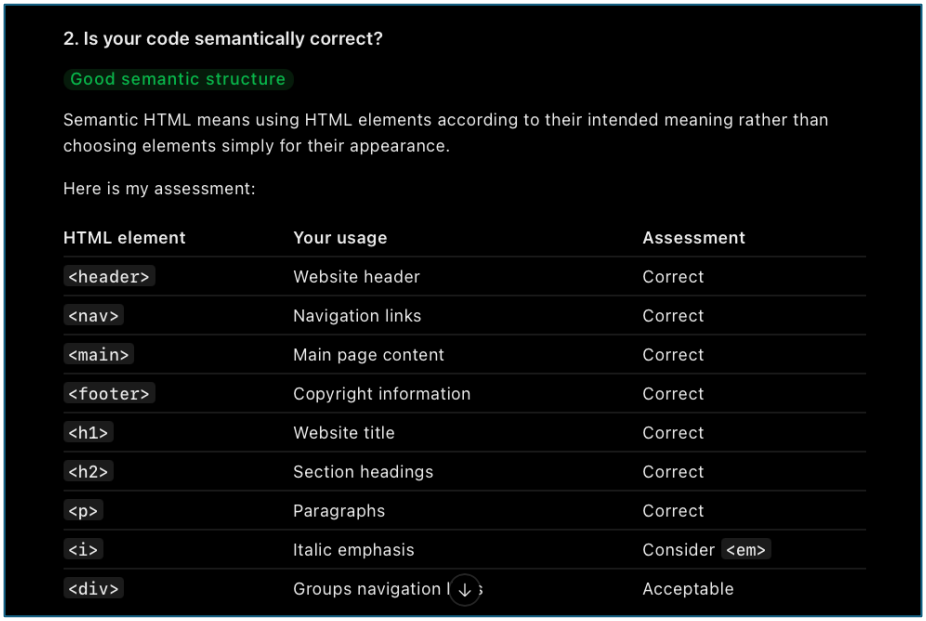
- **Image paths and case:** `bedtray.JPG` and `cookware.JPG` use uppercase extensions while `tripod.jpeg` is lowercase. Many web servers are case-sensitive, so this can break when you deploy. Pick one convention (lowercase `.jpg` is safest).
- **Image performance:** add `width` and `height` attributes to prevent layout shift, and `loading="lazy"` on images below the fold.
- **Viewport meta tag is missing.** Add `<meta name="viewport" content="width=device-width, initial-scale=1">` or the page won't scale properly on phones.
- **Meta description:** add `<meta name="description" content="...">` for search results.
- **Title:** `3 designed objects` is lowercase and generic. Something like `3 Designed Objects – Home` is more consistent with the on-page heading and distinguishes it from your other pages.
- **Copy edits:**
  - "Below here are some of my favorite objects that I daily use" reads more naturally as "Below are some of my favorite objects that I use daily".
  - "day-to-day basic" should be "day-to-day basis", and "daily basic" should be "daily basis".
  - "I have chosen out 3 items" would be "I have chosen three items".
  - "in details" should be "in detail".
  - "Favorite" (US) versus "realising" (UK) is inconsistent; choose one spelling variant.
  - The final paragraph says you've "explained in details about each item", but this page doesn't, so link to the individual pages.
- **Links in the body:** since the closing paragraph promises details, turn each object name into a link to its page.
- **Footer:** consider a `<small>` or just keep the `<p>`; both are fine. Using `©` is not required with UTF-8, so your literal © is fir ↓

Figure 1.5

This is the result from Claude.ai after I've added the prompt. As you can see in this response, it has pointed out some of the mistakes and errors that didn't show in code editor app in details

and even pointing out the wrong spellings from texts. It also shows some recommendations about how I can improve my coding from existing code to a better one by listing out some typos, tag errors, and the extensions behind.

CHATGPT.AI



2. Is your code semantically correct?

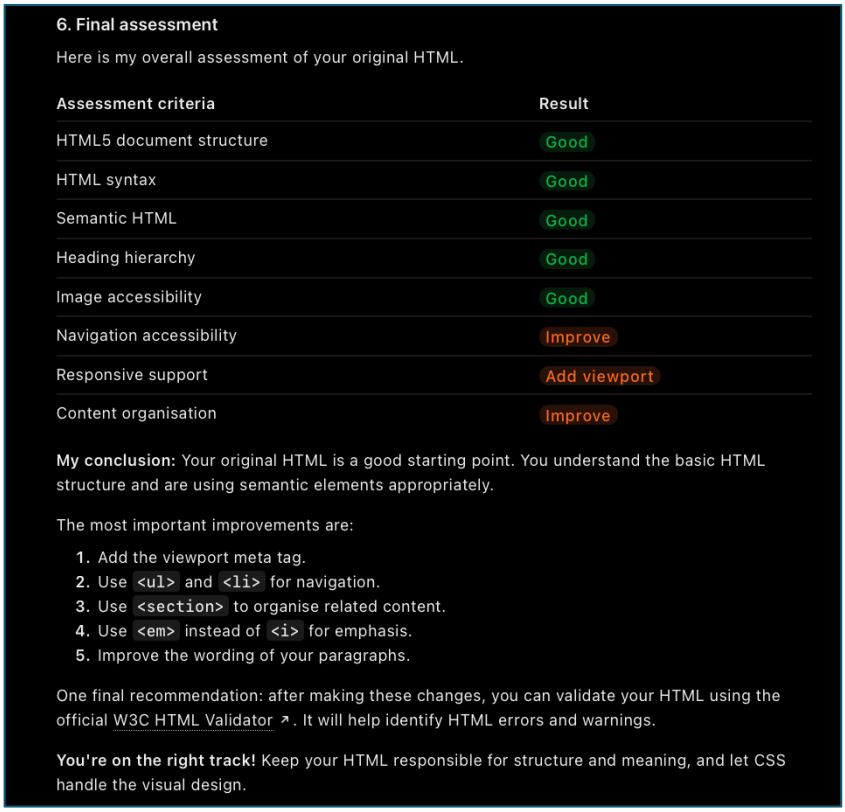
Good semantic structure

Semantic HTML means using HTML elements according to their intended meaning rather than choosing elements simply for their appearance.

Here is my assessment:

HTML element	Your usage	Assessment
`<header>`	Website header	Correct
`<nav>`	Navigation links	Correct
`<main>`	Main page content	Correct
`<footer>`	Copyright information	Correct
`<h1>`	Website title	Correct
`<h2>`	Section headings	Correct
`<p>`	Paragraphs	Correct
`<i>`	Italic emphasis	Consider `<em>`
`<div>`	Groups navigation l	Acceptable

Figure 1.6



6. Final assessment

Here is my overall assessment of your original HTML.

Assessment criteria	Result
HTML5 document structure	Good
HTML syntax	Good
Semantic HTML	Good
Heading hierarchy	Good
Image accessibility	Good
Navigation accessibility	Improve
Responsive support	Add viewport
Content organisation	Improve

My conclusion: Your original HTML is a good starting point. You understand the basic HTML structure and are using semantic elements appropriately.

The most important improvements are:

1. Add the viewport meta tag.
2. Use `<ul>` and `<li>` for navigation.
3. Use `<section>` to organise related content.
4. Use `<em>` instead of `<i>` for emphasis.
5. Improve the wording of your paragraphs.

One final recommendation: after making these changes, you can validate your HTML using the official W3C HTML Validator ↗. It will help identify HTML errors and warnings.

You're on the right track! Keep your HTML responsible for structure and meaning, and let CSS handle the visual design.

Figure 1.7

This is a response from Chatgpt.ai tool and as you can see, it has summarised some of the mistakes in the code and improvements I should do to make it better. It has also recommended me to fix on my navigation bar and content organisation. The same as the other AI tool, it points out the small details and errors that a code editor didn't show and that makes me understand in my learning process and improve my coding knowledge.

ANY DIFFERENCE BETWEEN THESE RESPONSES? (MY OPINION)

Both AI tools have somehow given me moderately the same answers on how I can improve in certain parts of my HTML code. In both Claude.ai and ChatGPT.ai, both stated that nav tag should be fixed and it rather used in <ul> and <li> list form, which I should be fixing it in the code. However, in my opinion, Claude AI tool gives me more in details about what I should fix in my code. For example, ChatGPT didn't mention about my image extensions need to be fixed, while in Claude AI, it mentions about it clearly so that I've realized to fix it in my code. Both AI tools have also provided a full recommended HTML codes again which is helpful for me since I can check on those codes provided by AI tools and review them in my actual html files, minimizing errors as much as possible. By doing so, I have well understood about errors, mistakes, and changes I could do in my HTML codes and I find it helpful for my learning progress.