

Documentation for WP1 Project: PowerHaus

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Overview

PowerHaus is a fictional fitness store, created with the purpose of selling a full range of products, from supplementation to equipment and accessories. For this WP1 project, the site will be static and therefore will not contain its fully intended list of features (such as a shopping cart and product catalogue) – these will be added during the WP2 portion of the coursework at a future date. The purpose of the site at this stage is to give information about PowerHaus, what they do and what is due to come in the future.

User Experience (UX)

User Stories

As a visitor to the site, I want/expect to be able to:

- Be able to navigate around with ease
- Learn more about PowerHaus and what they sell
- Be able to contact them with relation to any nature of query
- Interact with a site that will try hard to win my business
- View the site on any nature of device without experiencing difficulties
- Find the company's social media presence on the site

Design Elements

The general design surrounding PowerHaus was to produce a site that reflected the name. With that in mind, it was decided that an industrial look with good use of dark colours in particular would fit that bill.

Fonts

Two fonts are used throughout the site. The primary font, used for all headers and in the navbar, is called 'Life is Okay' (DaFont, 2018) and features jagged edges that reflect the industrial feel well.

The second font, used for standard text, is called 'Pontano Sans' (Google Fonts, n.d.). It offers a slight variation from the standard browser font type, while remaining easily readable and of good size.

Icons

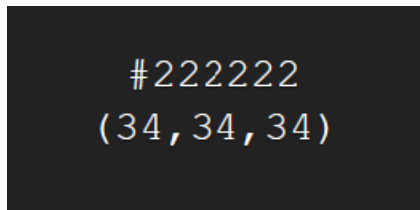
All icons used are from FontAwesome version 5. Version 4 was used initially, but the lack of required icons for this project led to a switch in versions. Icons are used primarily in the navbar and for the social links in the footer. At this stage, there was little else to use them for.

Images

All background images were taken from Pexels and are 100% royalty free and don't require accreditation (though Pexels will still be referenced at the end of this documentation). The six product images were designed by me, using a royalty free background from Pexels, combined with a genuine product image from the website MyProtein (referenced in the References section below). I opted to take all product images from the same website to ensure continuity in product branding. Given PowerHaus is a fictional store, it would be impossible to obtain consistent imagery for a brand that doesn't exist.

Colours

The site focuses more on background imagery than coloured branding, though there are some that are used consistently. This is mainly the dark off-black **#222222** colour, which is used in the navbar, the footer and as a back-up background colour to all places that use a background image. Black tends to be too stark and this off-black tones that down well; it also works well with a white font colour.



Other colours used are just standard white **#ffffff** and the browser default red and orange options. In places with a faded background, such as the navbar overlay, the colour is just standard black **#000000** with an alpha layer added.

Sitemap

The site features three pages, with a view to expanding upon this significantly for the WP2 portion of the project. Currently, the pages are:

- Home page
 - ❖ Uses parallax scrolling to engage the viewer and present the site in a modern fashion
 - ❖ Uses quite a bit of imagery to draw the viewer in
 - ❖ Features a Bootstrap carousel that is hidden on small devices
- About page
 - ❖ Features an introduction to PowerHaus and what makes them who they are
 - ❖ Features a section stating what makes the store different to competitors
 - ❖ Features a section detailing the company's plans for the future
- Contact page
 - ❖ Offers visitors the chance to fill in a contact form with a predetermined list of question types
 - ❖ A modal will show on-screen when the form has been successfully submitted
 - ❖ The form doesn't allow empty input of mandatory fields

Wireframes

Wireframes for all major device sizes are included in the 'Wireframes' directory within the 'Documentation' directory.

Technologies Used

Languages

- HTML5
- CSS3
- JavaScript (ES6+ syntax)

Frameworks & Libraries

- Bootstrap 4
- Font Awesome 5
- jQuery 3.5.1

Testing

The site was run through the official W3 HTML and CSS validators, all of which returned passable results with no warnings or errors.

Manual testing was conducted on the site, to cover all foreseeable eventualities and features. A breakdown for this is below:

Feature testing

- The user can navigate to each page from the navbar successfully
- On larger screen sizes, the navbar expands on mouseover and contracts on mouseleave
- On smaller screens, the nav button opens the navbar when clicked
- The navbar closes when the user clicks outside of it when it is open
- The Bootstrap carousel cycles through images successfully
- There is no overflow in any section on any page
- The about page conforms to its column sizing without appearing awkward or causing overflow
- The contact form doesn't allow empty user input for mandatory fields (all fields are mandatory except the Order Number)
- The contact form doesn't allow non-email style inputs in the Email field
- The contact form prevents page refresh and reset its inputs upon successful submission
- The Bootstrap modal fires when the user successfully submits the form
- The modal closes correctly and doesn't cause unintended space usage in the DOM
- The social links open in a new tab when clicked

Responsivity testing

- The product range section changes from a row of three columns to a stacked row of two and on columns on tablet devices
- The Product Range section changes to fully stacked on phone devices
- The navbar button appears on smaller devices
- The navbar button disappears on larger devices
- The parallax scrolling feature disables and becomes a standard scrolling feature on smaller devices, as some do not support parallax
- The hero background image on the Home page changes to a portrait version on smaller devices
- The background image of the Featured Products section changes to a portrait version on smaller devices
- The font sizes of the headers lower slightly on smaller devices
- The carousel in the Why Choose Us section hides on smaller devices
- The unique selling points (USPs) in the Why Choose Us section change to centre alignment on smaller devices, then back to left aligned on larger devices
- The column usage is wider on the About and Contact pages for smaller devices
- The form doesn't cause overflow on the Contact page
- The Bootstrap modal doesn't cause overflow on the Contact page

References and Credits

- *Bootstrap Carousel*. (n.d.). Bootstrap. <https://getbootstrap.com/docs/4.0/components/carousel/>
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- Chequered Ink. (February 13, 2018). *Life Is Okay* [font]. DaFont. <https://www.dafont.com/life-is-okay.font>
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- *Vitamin D3 Softgels*. (n.d.). MyProtein. <https://www.myprotein.com/sports-nutrition/vitamin-d3-softgels/10530530.html>
- *Various royalty free imagery – doesn't require individual accreditation*. Pexels. <https://www.pexels.com/>
- Vernon Adams. (n.d.). *Pontano Sans* [font]. Google Fonts. <https://fonts.google.com/specimen/Pontano+Sans>