



WPR 1781

Project



[FREERK VAN DEN BOS \(602074\) \[Home Page\]](#)
[RYNO MARTIN GOETZ \(306602\) \[About Page\]](#)
[WILDRE FOURIE \(601625\) \[Portfolio Page\]](#)
[STEVEN RIAAN PIEK \(\) \[Contact Page\]](#)

Home Page

The home page consists of a navigation panel and a main section with example photos of what services the company offer. The navigation panel is made up of a header, image of the logo and a unorganized list for the menu tabs, for the layout of the tabs we used a flex display so that the tabs are in line with each other, we also used a dropdown on the portfolio tab so that when you hover over this tab a list of all the company's services appears and the user can choose with service he/she wants to see photos for.

Then for the main section we used a main for the container that everything is on, then for the heading we used a div this made is easier to position the heading where we wanted it, for the example images and their descriptions we used an article and for the image itself we used a section which made the positioning and styling easier. To position everything on the main we used a grid display and the grid position function.

About

The about was created by using a grid area and consists of three paragraphs and three images with descriptions. When the about section was created there were a few challenges to overcome.

The first challenge was to space and align the images and their descriptions so that it looks nice and neat, and it was n challenge because of the background has black parts in it that makes the text disappear when it overlaps with the image descriptions. I solved it by adding more columns in the grid area so that I had more options on where to place the different articles so that they don't look out of place. My second challenge was after I changed the amount of columns in the grid area my paragraphs moved around and their sizes changed to I had to rearrange all the paragraphs and I had to add and remove some content to make everything fit, and lastly I had the problem again where the text from the paragraph would disappear into the background and I couldn't move the paragraphs around like I did with the images so I gave the paragraphs a background to that the text is still visible even though the paragraphs overlap with the background and I also added a black border to make it fit in with the color scheme of the background.

Additional things I changed to make the page the same color scheme is I had colored images but, I tried to just greyscale the images, but the greyscale applied to the whole page, and I could not figure out why, so I inserted new images that are black and white so that the images fit into the theme of the page.

Portfolio

Creating the portfolio webpage was challenging, especially when trying to make different photos show and hide properly. I struggled to get the images to appear and disappear, which required learning more about JavaScript and CSS. It took some trial and error to get the transitions right. In the end all I needed to fix the code was one word. When I marked the photo-container with !IMPORTANT everything worked smoothly.

Contact

Development Process:

The webpage is structured using semantic HTML5 elements. The layout is divided into sections like the header, main content (contact form and newsletter), and footer (social media links). They are nested to ensure the semantic meaning of each part of the document is clear and labelled.

The header contains the company logo and nav menu. The main area is divided into 2 containers. A contact form and a newsletter. Input fields and buttons are used for user interaction. Field set and legend elements are used to create the social media section to nicely group the icons and their respective buttons. Contact.css file was created for the CSS content. The global styles include a background image and specifies font styles in the body area. Header and the nav uses a black background with a cantered nav menu and hover effects on nav links to make sure the users get visual feedback. Contact and newsletter forms are styled to ensure they are visually distinct and accessible. Form fields are given full width with some margin for spacing. Lastly the social media has a grid layout for the social media icons making it easy to extend or modify the number of icons displayed.

Challenges Faced and Solutions:

The responsive design is crucial because on different screen sizes you want the same layout:

Flexbox in the header and grid in the social media section to make sure flexible and responsive layout. The percentage-based widths and media queries to adjust the layout and font sizes for smaller screens.

The aligning elements for the nav menu, logo and social media icons did give a challenge:

Display flex and justify content was used to make sure the items are aligned cantered. Align items was also used to make sure to align elements properly.

Different browsers may produce different content with sizes and colours for default values:

Downloading different browsers and testing to ensure consistent appearance, examples we used are chrome, brave and edge.

Form layout should be visually appealing and make sure there is enough space:

CSS classes was used to control the width and spacing of the input fields and buttons. This was necessary that the forms were easy to use and look consistent.