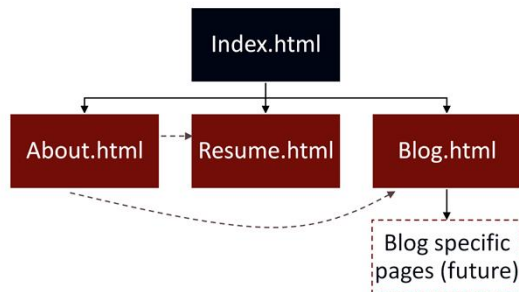




T1A2 – Portfolio Website

Dirk Booy

Site Map & Flow



The primary Navigation Bar



The primary website flows are:

- To get recruiters to the resume page, where they can download a copy of my resume
- To get potential employers to the blog page, where they will view examples of my projects and click through to my GitHub profile to view further examples of my work.

The portfolio contains four main pages:

- index.html – The landing page
- about.html – Information about me
- resume.html – A brief overview of my resume, a link to download a full resume in pdf format, and a link to my LinkedIn profile
- blog.html – This will be a professional blog, which will double as a place to highlight my projects. This page may in the future contain sub pages dedicated to the individual project that will go into more detail, allowing each blog post to be a concise summary.

Navigational flow

Primary navigation will be via the navigation bar. Secondary navigation will be through links in the site contents. By default links to internal pages will open in the current tab and links to all external websites will open in a new tab.

Site flow is designed to lead viewers to one of two key objectives:

1. The resume page and download my resume / click through to my linked in profile.
2. Blog page which will demonstrate my projects and click through to my GitHub profile.

Theme Elements

Logo

Dark Background



Light Background



Favicon:

Font

- Roboto , Designed by Christian Robertson

Colour palette

Hex: #000514 RGB: (0,5,20)	Dark Background colour / Text for light background
Hex: #D0CCD0 RGB: (208,204,208)	Light background colour
Hex: #720E07 RGB: (114,14,7)	Accent colour #1
Hex: #FBFCFF RGB: (251,252,255)	Accent colour #2 Text for dark background

Logo

The logo for my website uses a simplistic minimalist design. The logo itself is a spattering of diamonds aligned to an 8x8 grid, (diamonds only appearing in some grid co-ordinates) the positioning of the diamonds is a pictorial representation of 8 columns of 8 bits in length (spaces where diamonds appear). Each column (read bottom to top) corresponds to the 8 bit binary code for an ASCII letter, which spells out DIRKBOOY – a fun little easter egg.

Colour palette

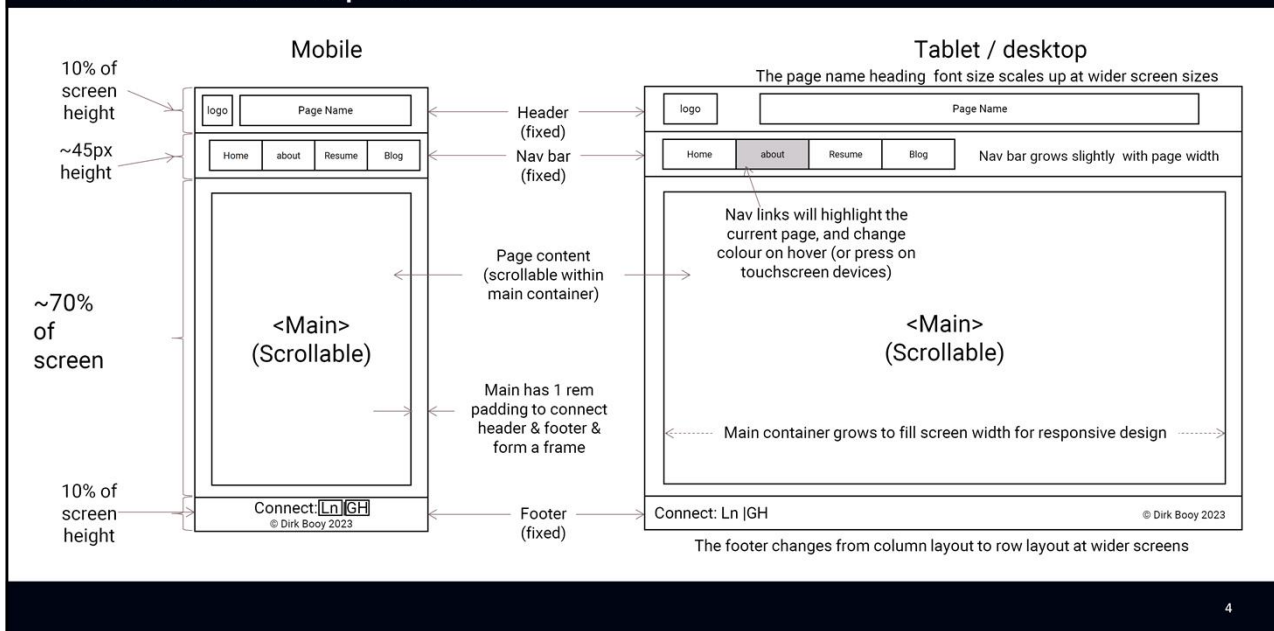
* minimalist, professional, and slightly formal

- **#000514:** This deep navy or midnight blue colour conveys a sense of sophistication, mystery, and depth. It's associated with elegance and formality.
- **#d0ccd0:** It evokes a sense of balance and neutrality, making it versatile for various design elements.
- **#720E07:** This colour is bold and intense. It exudes passion, warmth, and a touch of drama. It's a colour that can command attention and create a sense of urgency.
- **#FBFCFF:** This pure and bright white shade suggests purity, clarity, and simplicity. It evokes a feeling of cleanliness and minimalism.

Font – Roboto - Designed by Christian Robertson. Which is the font used in this presentation.

Page Framework

Wireframe & Components



In designing the elements of the webpage I took a "Mobile first" design approach in the development process, every element was initially designed around the smallest mobile phone screen in current use: the iPhone 5, @ 320px wide, then adapt to larger screens using 2 methods:

1. using a cascading flex-box structure to scale components automatically with the full viewport width which makes them fully adaptable across different devices and /or changing the size of the window.
2. Using media breakpoints to restyle the flexbox layouts to better suit larger displays where it was appropriate.

To ensure a consistent look and feel across the website the first step was to develop a consistent framework or template across the site. The Framework consists of 4 components:

- Header – which announces the page (& the website via the logo)
- Nav bar – to allow easy navigation within the site
- Main container – which hold the page content
- Footer

Framework components

Header

- Contains site logo (scales with header height) and the Page heading – lets users know what
- Heading font size scales up at 2 media breakpoints (a notional phone, tablet, desktop)
- Set to 10% viewport (min height set by Page name font size)
- Fixed to top of screen

Navigation bar

- Nav bar is the primary source of navigation on the website
- Fixed to top of screen under the header
- Nav bar contains links to the 4 main pages
- Nav links will highlight the current page, and change colour on hover (or press on touchscreen devices)
- Initial size fits on the smallest phone width
- As the page width expands the nav bar will slightly expand (keeps the link buttons a reasonable size even on very wide screens)
- Fixed height ~45px

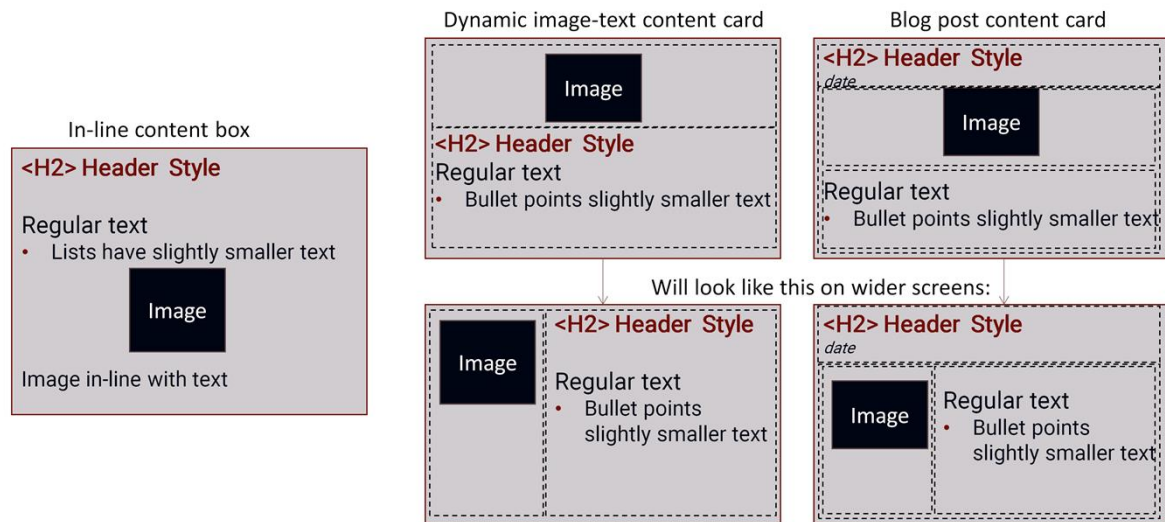
Footer

- Contains the copyright notice & links to LinkedIn & GitHub via icons fixed to bottom of screen –
 - These 2 links are contained in the footer as the primary goal of the website is to direct people to view my resume (LinkedIn) and /or my project work (GitHub)
- Footer height set to 10% viewport
- Icons scale with the footer height
- The footer changes from column layout to row layout at wider screens

Main container

- Main container holds different content on each page
- This container (and its content) will grow / shrink with the screen size
- Main has a default element style for all pages: flex display (column), background colour, padding, overflow scrolling, however the each page has a unique ID to tailor the reactive layout to the content. Which will be described in more detail later

Page Framework Content Card Components



5

The purpose of content cards is to display page content in discrete pieces in a consistent format, that also allows for flexibility for responsive design. All page content held within the Main container will, in-turn be held within content cards.

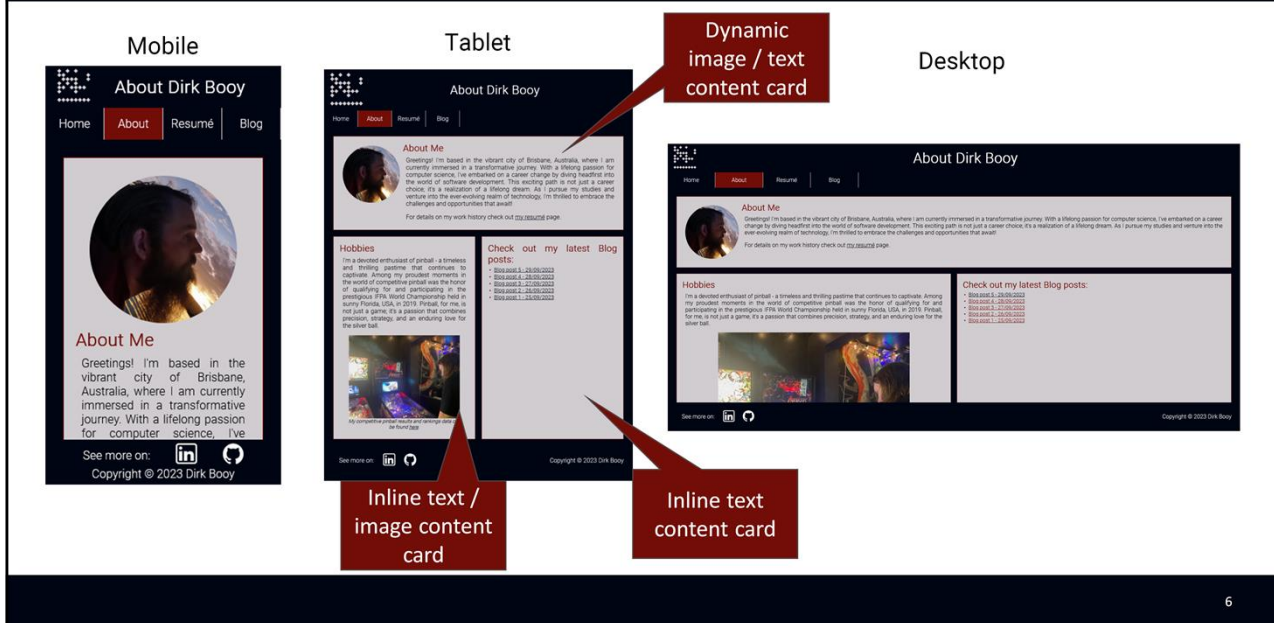
Three main types of content card components are used throughout the site:

- In-line content – consists of a single <div> has no alternative layout options
- Dynamic image text - consists of two <div> elements, layout will alter to place the <div> in a row or column
- Blog post – consists of 4 <div>s:
 - 1 header which stays on top,
 - 2 content which alter placement via in row or column
 - 1 container div to hold the 2 content <div>s

Divs (except the container) can contain text, images, lists, etc.

To minimise code and ensure consistency content cards are styled using content-box class to the standard card formatting as shown (colours, border, text styles, etc).

Page framework Screenshots



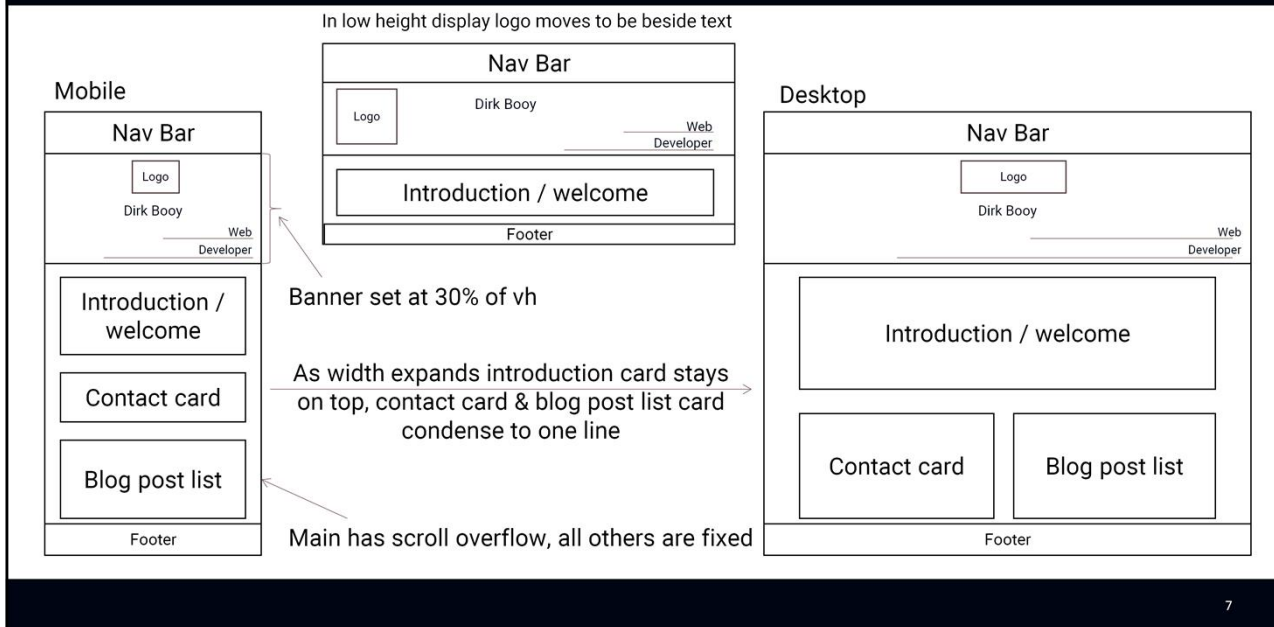
Here is a screenshot to show how the colour palette, logo, page framework & content card elements come together to form a cohesive page.

Here we can see a couple of examples of the different content boxes

For reference screenshots in this presentation will be based on:

- Mobile: iPhone 5 (320x568)
- Tablet: iPad (810x1080)
- Desktop: (1600x800)

index.html Wireframe



This is wireframe for the index.html page – this is the landing page for the website.

Components

Banner header

- The Banner acts as the “Title screen” for the web site – which displays the logo, who I am and what I do
- The banner takes up ~30% of the screen height and does not scroll (as per the header / nav bar on all other pages)

Content cards x3

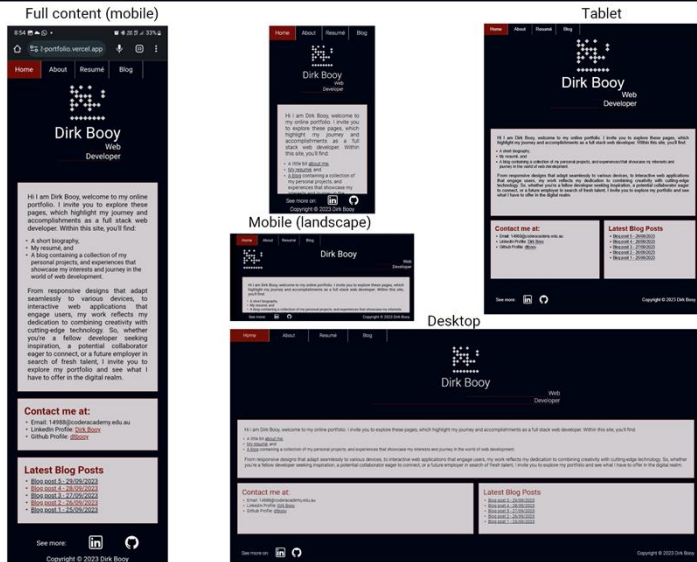
- Introduction / Welcome - Briefly introduces myself and explains what can be found on the pages in the website
- Contact card – presents my contact details
- Blog post list – presents links to the latest 5 blog posts (links lead directly to the post click using the blog post id# as an anchor)

index.html

Screenshots & Component Summary

index.html Components

- Site wide components
 - Footer (all pages)
 - Navigation bar (Navbar)
 - Main container
- Page specific components
 - Banner Header
 - Welcome / introduction card
 - Contact card
 - Blog list card



Here we have a list of all the components that make up index.html & screenshots demonstrating the responsive layout in practice:

Responsive Layout

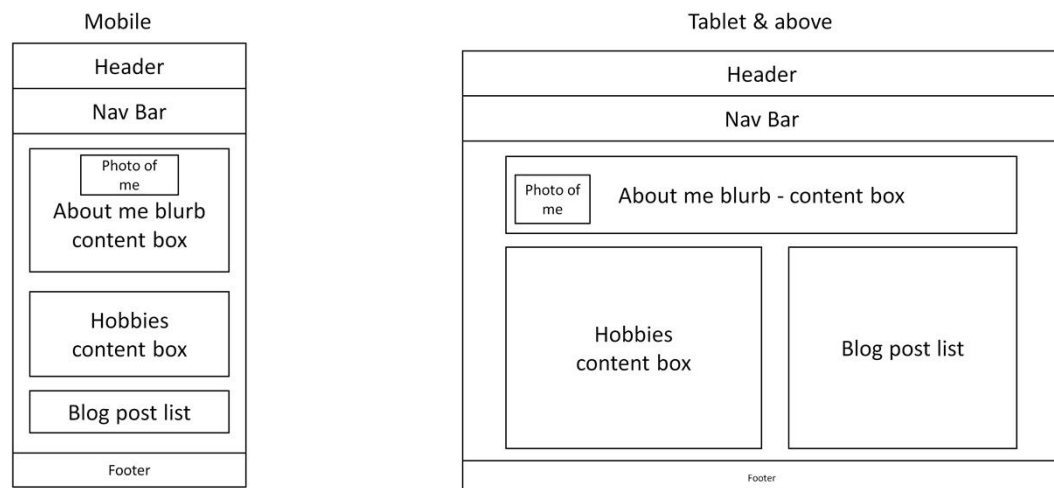
Content Cards

- In lower screen sizes all cards are stacked in a single column
- In tablet + sizes introduction card stays on top
- Contact & blog cards are placed on 1 row (evenly distributed)

Banner

- Banner compresses when the viewport window is too low (eg: a phone in landscape mode - shifting the logo to the right of the text to allow more room to scroll the content beneath)

About.html Wireframe



9

This is wireframe for the about.html page. This page is intended to give a brief overview of my personal life.

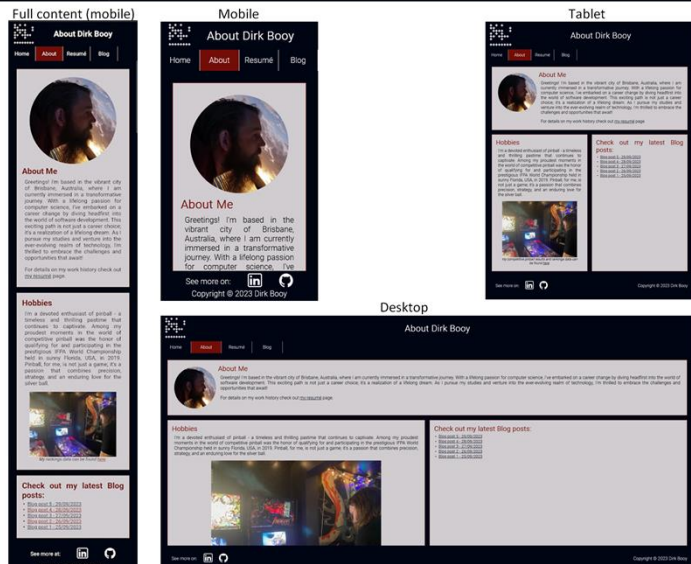
It consists of 3 page specific Components

- About Me card - This card gives a brief bio of me along with a photo
- Hobbies card – this card contains information about non-work related hobbies, which will let the user know more about my personality
- Blog list – this will direct the user to the blog where they could read more about my interests and projects

About.html Screenshots & Component Summary

about.html Components

- Site wide components
 - Header
 - Navigation bar (Navbar)
 - Footer
 - Main container
- Page specific components
 - About me container (Text & image - Dynamic)
 - Hobbies container (text & image)
 - Blog list container (text)



10

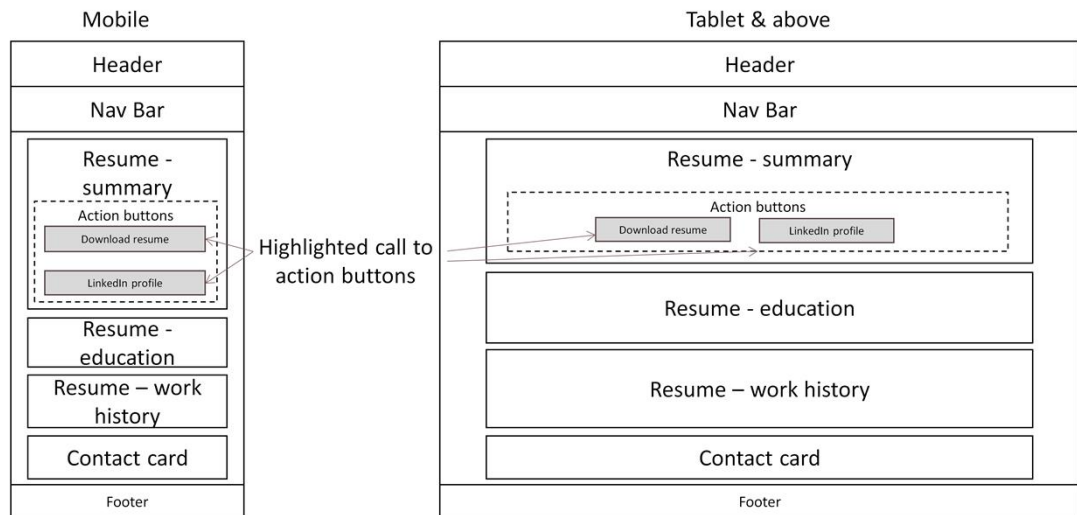
Here we have a list of all the components that make up about.html & screenshots demonstrating the responsive layout in practice:

Responsive Layout

Content Cards

- In mobile screen sizes all cards are stacked in a single column
- In tablet + sizes
 - about me card stays on top (full screen width)
 - photo in “about me” card moves beside the text
 - Hobbies & blog cards are placed on a single row (evenly distributed)

resume.html Wireframe



11

This is wireframe for the resume.html page – this page gives a brief summary of my resume and offer more information pointing the way to my LinkedIn profile or downloading my resume.

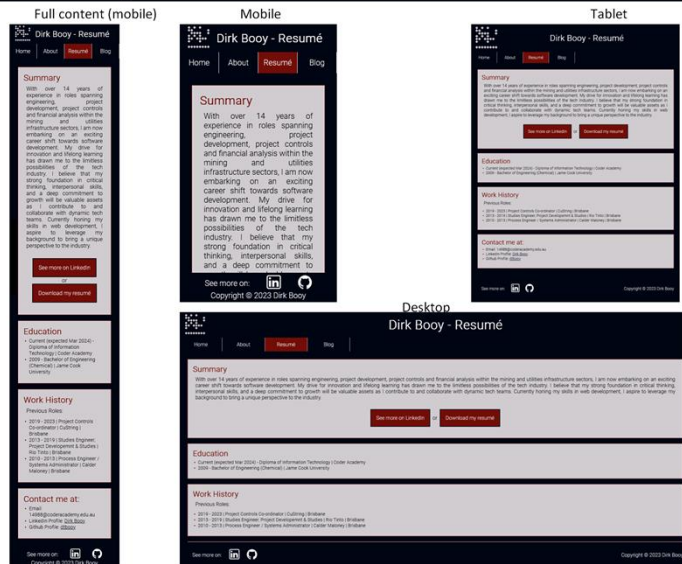
Components

- Resume summary - a short summary of my career to date followed by “call to action” buttons (download resume or see more on LinkedIn)
- Education card - simple dot points outlining my higher education
- Work history card- simple dot points outlining my work history
- Contact card – as per the one on the index.html page – located at the bottom of the page (if they get to that point the next step is to get in touch)

resume.html Screenshots & Component Summary

resume.html Components

- Site wide components
 - Header
 - Navigation bar (Navbar)
 - Footer
 - Main container
- Page specific components
 - Resume Summary
 - Call to action buttons
 - Education card
 - Work History card
 - Contact card



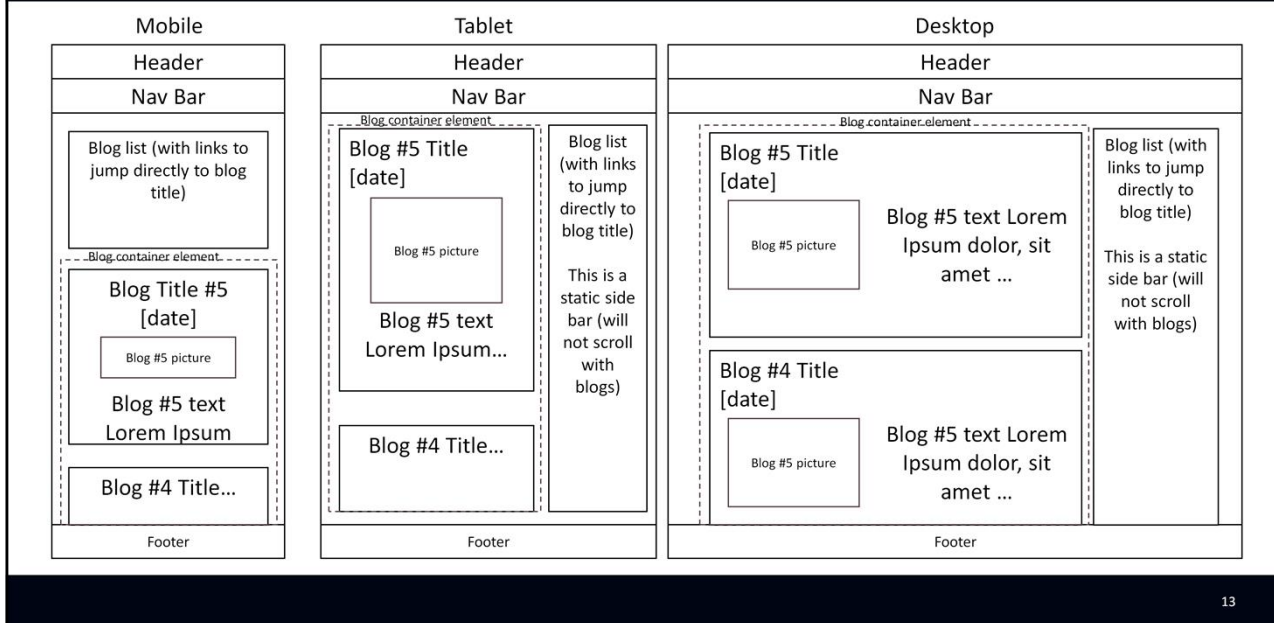
12

Here we have a list of all the components that make up resume.html & screenshots:

Responsive layout

- I chose to keep the resume page minimalistic. With no images and sections stacked on top of each other so it appears more clean and professional
- For this page the only change between the smaller & larger screens is moving the call to action buttons from stacked to beside each other

blog.html Wireframe



This is wireframe for the blog.html page – this page offers a way for me to demonstrate my projects or other interest through short blog posts with accompanying images.

Page specific Components

- Blog list card – this contains the full list of blog posts, with links that will take the user directly to them on the page.
 - This component on larger screen widths will become a static side bar, allowing the user to navigate directly to different posts regardless of how far down they have scrolled
- Blog container element – this is an invisible element in the page which holds the blog post cards.
 - On the larger screen layouts this takes over from the <main> component to become the scrollable content window
- Blog posts card x 5 – these are the blog post card components described previously

blog.html Screenshots & Component Summary

Framework Components

- Site wide components
 - Header
 - Navigation bar (Navbar)
 - Footer
 - Main container
- Page specific components
 - Blog Container
 - Blog posts x5
 - Blog list



14

Here we have a list of all the components that make up blog.html & screenshots demonstrating the responsive layout in practice:

Note the current content of the blog posts are currently placeholder text & images, but in the future will be mostly small summaries of my projects with links to the GitHub repos.

Responsive Layout

Mobile

- For mobile all cards are stacked in a single column with the blog post list on top

Tablet +

- For tablet and desktop views the blog post list becomes a fixed sidebar (locked in place)
 - To enable this the overflow scroll is disabled on the <main> container and enabled on the blog-container element

Desktop

* For larger (desktop) screen widths the blog post card layout changes to have the heading on top and the images & text side by side.

Review of development / build process

- Challenges,
 - The unknown unknowns
 - Planning and time management
- Learnings
 - I am now a lot more versed in flexbox as well as semantic html tags
- Favourite parts
 - The design process

15

Challenges

- The biggest challenge I faced during this build was not knowing enough going in and jumping in to start coding too early, which resulted in a lot of wasted time and re-worked code.

Learnings

- throughout this process I have significantly improved my understanding of html & CSS (mostly from things not working and having to figure out why they aren't working)

Favourite parts

- Surprisingly to me I quite enjoyed the design aspects of this project, making a logo, building a colour palette and the framework design, which is not an area I have traditionally excelled at
- Having the logo as my name in binary code for me was a little easter egg I enjoyed creating