GEORGIE MCHARDIE
DIGITAL PORTFOLIO SPECIFICATIONS

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Introduction

The design strategy for a personal portfolio site is outlined in this document. It also offers site maps that highlight the connection of the site's pages and files. Design criteria are addressed, as are testing techniques. A text plan is included to outline the CSS3 & HTML code for the most integral components.

Table of Contents

Design & Development Requirements

The electronic portfolio website's stated aim is to promote and display my professional talents, expertise, and work to potential employers, companies, and other interested parties. The site link can be displayed on a resume or cover letter. Having a portfolio site is increasingly becoming a requirement of web developers and designers.

The following requirements have been recognised as critical to the effective design and development of a website for the intended purpose.

- Home Page - index.html
  - Name & Short description
- About Me Page - about.html
  - Blurb about professional experience, values and goals
  - Character reference
- Resume Page - resume.html
  - Education experience
  - Work experience
  - Link to resume download
  - Hobbies
  - University subjects
- Web Skills Page - webskills.html
  - Descriptions of experience with skills
  - Percentage representations of skill capabilities
- Projects Page
  - Photos of completed projects
  - Descriptions of skills used in each project

- ◆ Links to github repositories for each project

- ➔ Contact Page - contact.html

  - ◆ Contact form

  - ◆ Contact details

The website should be straightforward to use, with clear navigation and an intuitive user interface. Design should be consistent across all pages.

All information must be logically presented and grouped for the user. The creation of a user-friendly experience employing images, text, design, and other appropriate tools will aid in the effective transmission of the material.

Canva, Miro, and Balsamiq will be used to design the website. Development will be completed using VSCode and coded in HTML5 and CSS3. Icons will be rendered using Font Awesome. After development, the site will be hosted on the csusap.csu.edu.au server and Github and maintained and updated by the developer.

CSS Layout

Overview

The website's layout will be developed with CSS3. An external style sheet will be used to style all pages on the site, this file will be located in a CSS folder and named as style.css. An external styles sheet will also be used for print styles and will be located in the CSS folder, named print.css. Any modifications to the external style sheet will, if appropriate, be applied to the entire site, making maintenance and upgrading by the developer simple.

Full descriptions of layout choices begin on the next page

Home page layout
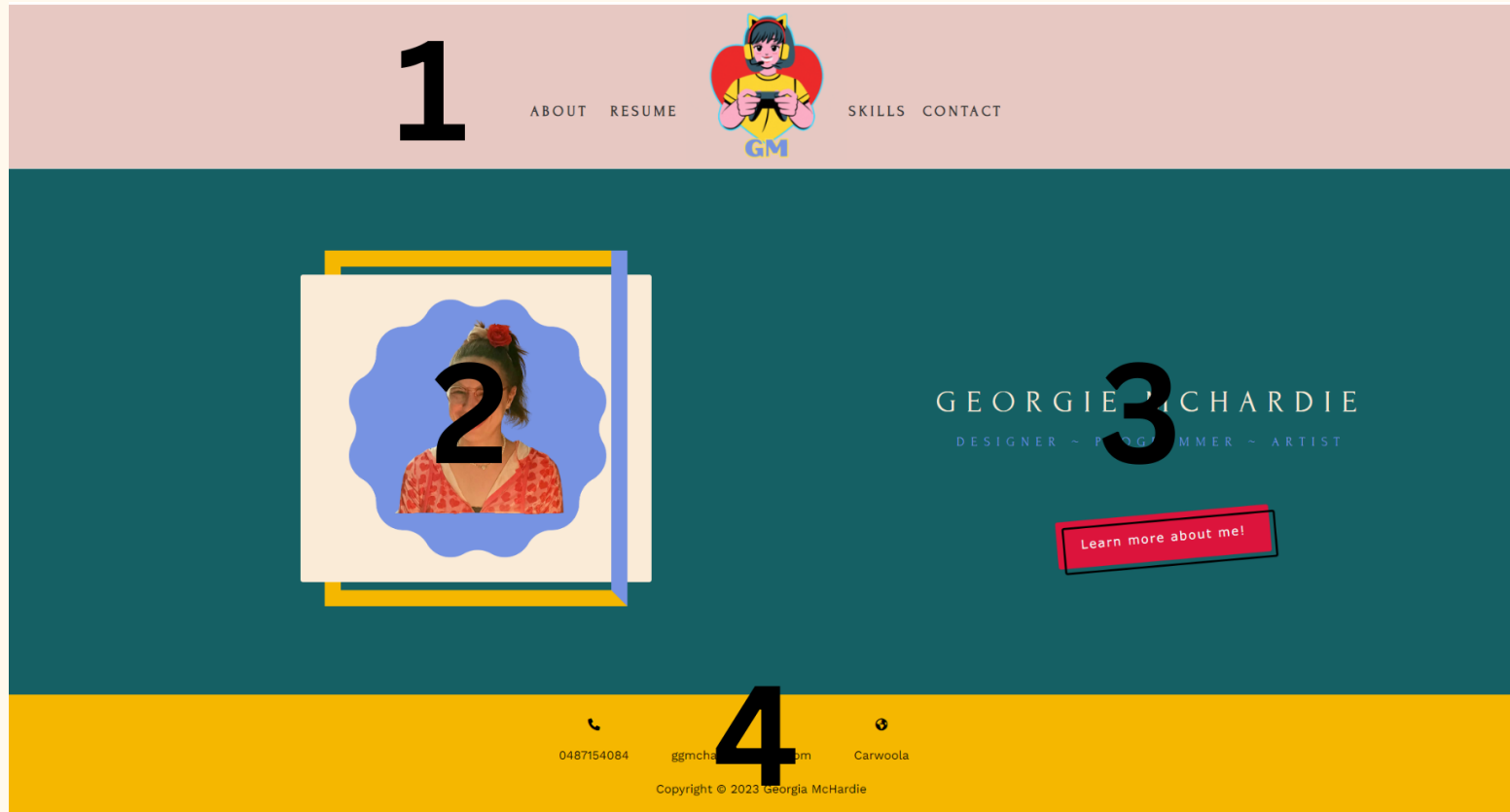
1	Header with nav & logo	Width 100%
2	Image with animated border	Flex box to align with title, space between
3	Title with descriptive words	Flex box to align with image, space between
4	Footer with contact links	Flex box to align on one line, items aligned centre

About page layout

1	Title with animated border	Flex box, justify center
2	Photo	Flex box, space between
3	Blurb <p>	Flex box, space between
4	<p> with animated border	Flex box, justify center

Resume page layout

1	Aside section with photo	Float left
2	Main section timeline	Float right
3	Main section table	Float right
4	Main section Hobbies	Float right, display block

Web Skills page layout

1	Aside section with photo	Float left
2	Main section graph	Float right

Contact page layout

CONTACT ME

Name

Email

Phone (optional)

1

Message

Submit

2

0487154084   ggmchardie@gmail.com   Carwoola

1	Contact form	Flex box, center
2	Footer	Flex box, center

CSS Text Plan

css/styles.css	Font	Colour /Special Characteristics	Align
body	font-style: normal; font-weight: 300;	background-color: #156064; position: relative; margin: 0; padding: 0;	
body p	font-family: 'Work Sans', sans-serif; font-size: 14px;	color: #606f76;	text-align: justify;
nav		background-color: #E7C8C2 overflow: hidden;	
nav ul		list-style-type: none; margin: 0; padding: 0;	
nav li a:hover		background-color: white;	
.nav-link	font-weight: bold; font-size: 18px; text-decoration: none; font-family: 'Forum'; letter-spacing: 4px;	color: #313131; display: block;	text-align: center;

nav a:hover		border-bottom-color: #313131;	
h1	font-family: 'Forum'; font-size: 38px; letter-spacing: 13px;	color: #7793e2; text-transform: uppercase;	text-align: center;
h2	font-family: 'Forum'; font-size: 16px; letter-spacing: 8px; text-transform: uppercase;	color: #7793e2;	text-align: center;
h3	font-family: 'Work Sans', sans-serif;		
h5	font-family: 'Forum'; font-size: 16px; letter-spacing: 2px;	color: white;	vertical-align: top;
footer	font-family: 'Work Sans', sans-serif;	background-color: #F5B700;	text-align: center; display: inline-flex;
.copyright	font-family: 'Work Sans', sans-serif;	margin-top: -2%; padding-bottom: 1%;	text-align: center;

Concept Map - <u>View Full here</u>
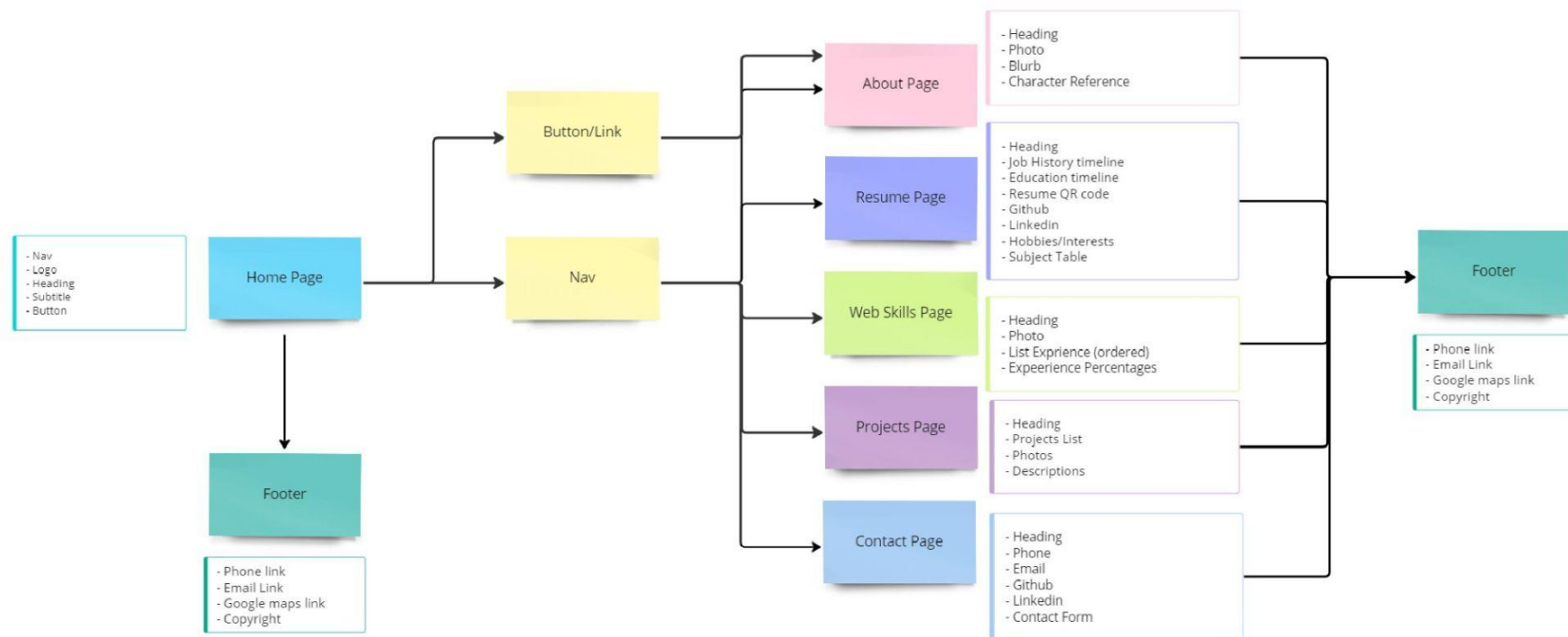
Navigation Map (Logical) - [View full here](#)
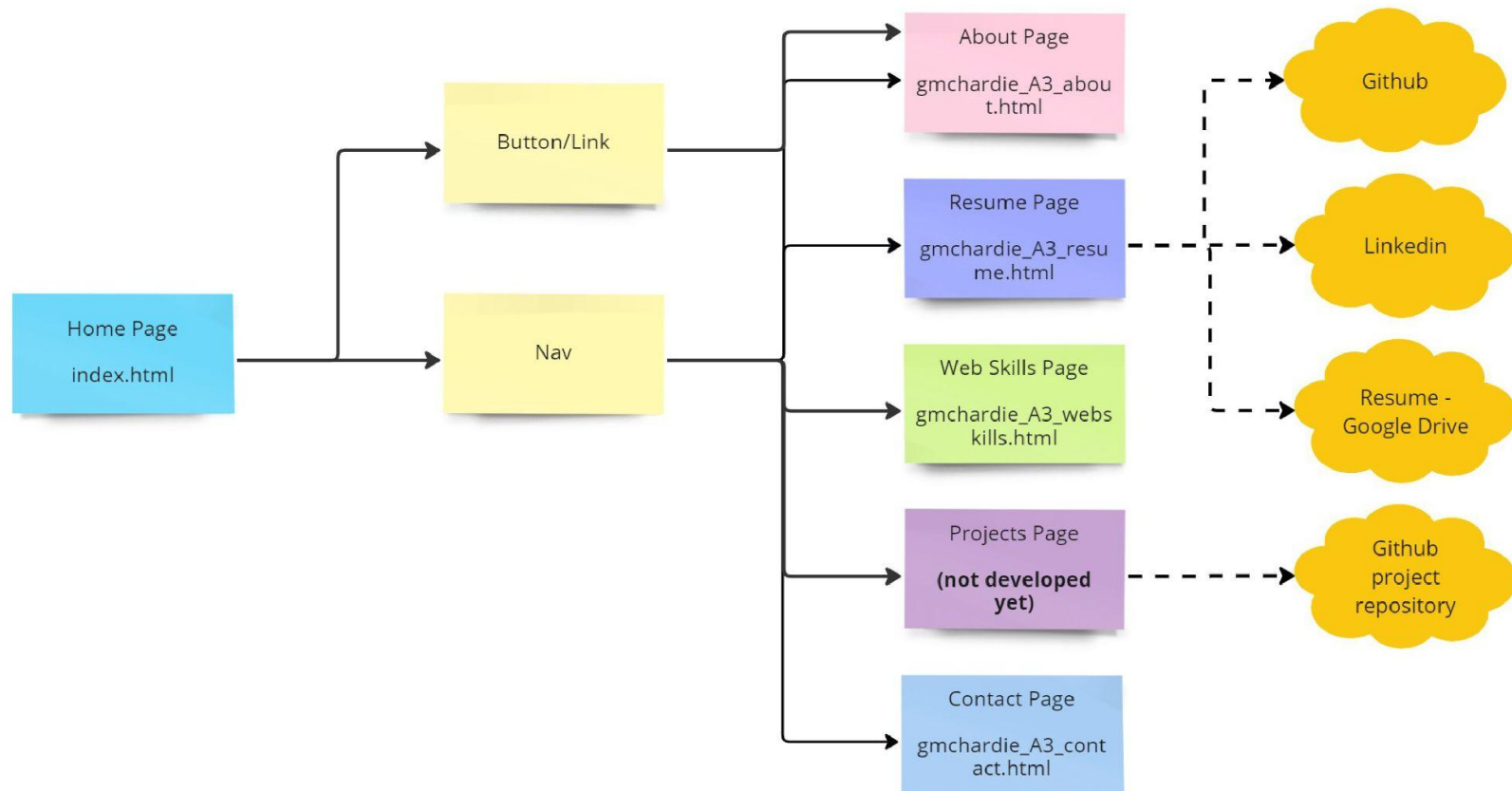
Structure Chart (Physical) - [View full here](#)
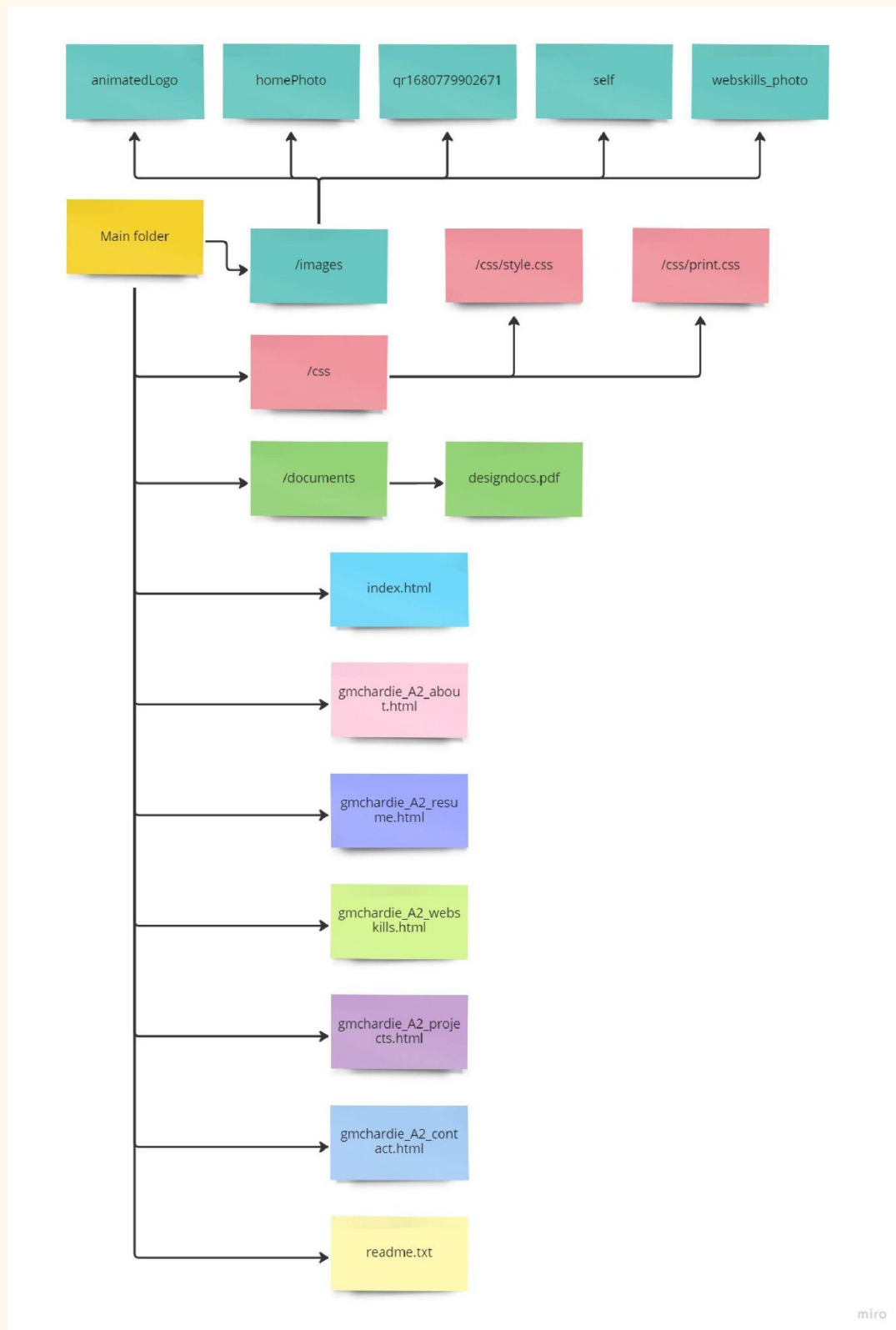
Storyboards

File: index.html	Screen ID: 1.0	Date: 7/05/23

Elements:

Graphics:
    Image with border animation &
    animated button, animated logo

Text:
    Name & short descriptive words

Audio/Video:
    None

Notes:
    Flex and negative margins used to
    position elements

Description	Home Page
Content	Image, title, brief description
Interactions	Nav links to all pages, email and phone links in footer
Media Creation	Image created using Canva, Logo created using Canva
Navigation	Nav to all pages

File: about.html	Screen ID: 2.0	Date: 7/05/23

ABOUT ME

I am a computer science student/programmer with a background in both library & information services and education. I have worked as a library assistant in the public and private sectors, also as a learning support aide in the public school system.

My experiences in these different areas has motivated me to use the skills and opportunities available to me to help others.I hope to build my career based upon this

In 2019 I completed a Diploma of Information Technology at Coder Academy. I went on to start a Bachelor of Computer Science at the University of Technology Sydney. After the outbreak of COVID I transferred to Charles Sturt University. I will be graduating at the end of 2022.

Elements:

Graphics:
   Image, title with border animation
   & animated border on reference

Text:
   Title, blurb about self & character
   reference

Audio/Video:
   None

Notes:
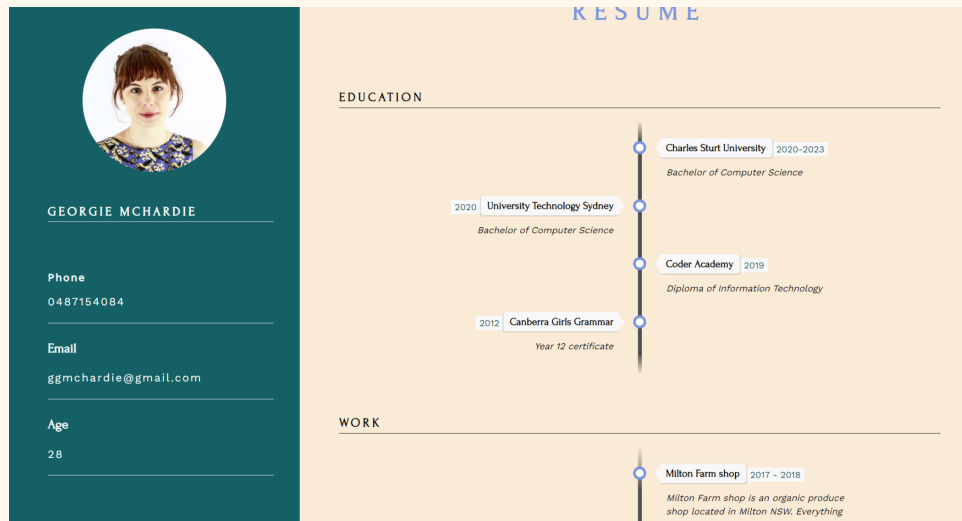   Flex used to position elements

Description	About Page
Content	About photo, blurb, character reference
Interactions	Nav links to all pages, email and phone links in footer
Media Creation	Logo created using Canva
Navigation	Nav to all pages

| File: resume.html | Screen ID: 3.0 | Date: 7/05/23 |

Elements:

Graphics:
Image, timelines, icons for hobbies & socials, QR code

Text:
Title, personal details, work & education timelines & hobbies

Audio/Video:
None

Notes:
Aside and main sections used to divide content

Description	Resume Page
Content	Photo, personal details, work and education timelines, list of hobbies and table of uni subjects
Interactions	Nav links to all pages, email and phone links in footer, links to github and linkedin, QR code for resume
Media Creation	Logo created using Canva
Navigation	Nav to all pages

File: webskills.html	Screen ID: 4.0	Date: 7/05/23
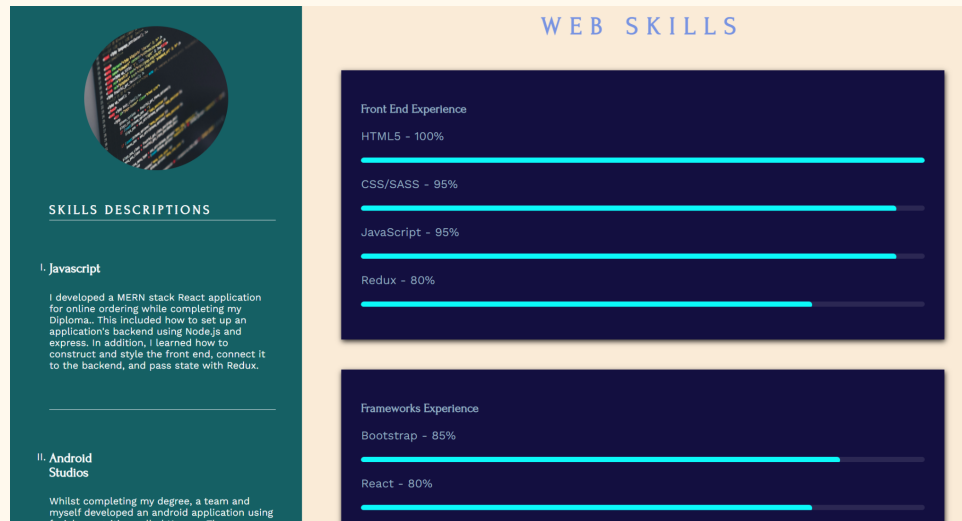
Elements:

Graphics:
Image, bar graph with percentages for capabilities

Text:
Title & skill descriptions

Audio/Video:
None

Notes:
Aside and main sections used to divide content

Description	Web Skills Page
Content	Photo, list of skills with descriptions, bar graphs with percentages to show capabilities
Interactions	Nav links to all pages, email and phone links in footer
Media Creation	Logo created using Canva
Navigation	Nav to all pages

File: contact.html	Screen ID: 5.0	Date: 7/05/23

Elements:

Graphics:
   Contact form

Text:
   Title and form labels

Audio/Video:
   None

Notes:
   Flex used to center content, FormSpree used to post form inputs to personal email

Description	Contact Page
Content	Title & contact form
Interactions	Nav links to all pages, email and phone links in footer, contact form posted to personal email
Media Creation	Logo created using Canva
Navigation	Nav to all pages

Testing Procedures

The design for the portfolio site will be created using the following software:

- ➔ [Miro](#) - Nav & Structure Maps
- ➔ [Canva](#) - Storyboards
- ➔ [Balsamiq](#) - Wireframes

The development (coding) for the site will be done using VSCode

To guarantee the integrity of the website's design and functionality, the subsequent validation and testing procedures will be carried out.

Validation

HTML 5 & CSS3 code will be validated using the following validator tools

- ➔ [W3C](#)
- ➔ [W3C CSS](#)

Functionality and Look/Feel

Functionality will be tested by the developer on various browsers (and versions)

- ☐ Chrome
- ☐ Firefox
- ☐ Internet Explorer
- ☐ Microsoft Edge
- ☐ Safari

Responsiveness will be tested by the developer on a variety of screen/browser sizes

- ☐ 640 x 480 pixels
- ☐ 800 x 600 pixels
- ☐ 1024 x 768 pixels
- ☐ 1280 x 800 pixels
- ☐ 1366 x 768 pixels
- ☐ 1920 x 1200 pixels

Usability

- ☐ Grammar and spelling will be checked as part of proofreading

- ☐ The website's navigation and all external links will be checked

- ☐ There will be quality and optimisation checks on all of the pictures

- ☐ Functionality of email links will be checked

- ☐ External links will be tested to see if they open in a new window

- ☐ Javascript and forms will be checked

- ☐ To guarantee usability for all users and take into account issues like colour blindness and poor vision, testing for visual and perceptual features will be done

- ☐ A comprehension test will be administered

- ☐ File and picture sizes will be measured and load times will be checked

- ☐ Accessibility factors will be examined (e.g., Alt tags on all photos, etc.)

- ☐ The importance of SEO (search engine optimisation) will be taken into consideration

- ☐ Check design is consistent across all pages

- ☐ To guarantee ease of modification and interpretation, the code structure will be examined

CSS3 Validation

[Full copy can be seen here](#)

HTML5 Validation

Issues need to be resolved - Added to issues log

[Full copy can be seen here](#)

Issues Log

Issue	Fixed?
Internal styles need to be moved to external sheet - may cause layout issues	Yes
Nav elements shifting too far on hover	Not yet
Pages are not responsive - did not build for mobile first	Not yet
Projects page not created	Not yet
Contact page posting via FormSpree not to http://csusap.csu.edu.au/cgi-bin/echo_form	Not yet
HTML5 validation issues need to be resolved	Not yet