

User Centric Frontend Development Milestone Project

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Start: 02/05/2020 – Finish: 25/05/2020

Notes

Progress

- Making the image square was harder than I expected! Solution taken from: <https://pagecrafter.com/maintain-aspect-ratio-for-html-element-using-only-css-in-a-responsive-design/>
- Aligning homepage text in middle of page also took some work. Solution taken from: <https://www.jakpsatweb.cz/css/css-vertical-center-solution.html>
- SVG used following articles: <https://medium.com/@sterling.meghan/svg-line-animation-for-beginners-51857c88357f> and <https://css-tricks.com/svg-path-syntax-illustrated-guide/> and https://www.w3schools.com/graphics/svg_line.asp and https://www.w3schools.com/graphics/svg_circle.asp and <https://codepen.io/BruceBC/pen/PPPNQV> and <https://stackoverflow.com/questions/14984007/how-do-i-include-a-font-awesome-icon-in-my-svg>
- To get text icons that open modals to show 'finger pointer', I used the following article: <https://www.tutorialrepublic.com/faq/how-to-change-the-cursor-into-a-hand-pointer-on-hover-using-css.php>
- Show on scroll copied code directly from: <https://cssanimation.rocks/scroll-animations/> - removed section on 'remove class' as don't want the animation to repeat

It's not perfect as the animation delay means that if you don't immediately scroll to the full page, you still get the delay from when you get to that element. But I'm happy with it for now.

- Close menu modal on anchor click: <https://stackoverflow.com/questions/13319678/can-i-close-the-bootstrap-modal-once-the-link-has-been-clicked>

This has worked intermittently, but I have been unable to find out why!

- Portfolio card lifted and adapted from: https://www.w3schools.com/howto/howto_css_flip_card.asp
- Placeholder text colour from https://www.w3schools.com/howto/howto_css_placeholder.asp
- Overwriting autofill colour change: <https://webagility.com/posts/the-ultimate-list-of-hacks-for-chromes-forced-yellow-background-on-autocompleted-inputs>
- Active menu JS taken from: <https://www.steckinsights.com/change-active-menu-as-you-scroll-with-jquery/>

Not working exactly as it should, as contact section doesn't highlight due to it being a much shorter section. However, I'm not confident enough with JQuery to make it any better!

Notes

External sources

- `<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" type="text/css" />`
 - **For bootstrap styles**
- `<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"`
- `integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6" crossorigin="anonymous">`
- `</script>`
 - **For bootstrap modals**
- `<script src="https://kit.fontawesome.com/372df47477.js" crossorigin="anonymous"></script>`
 - **For font awesome**
- `<script src="//ajax.googleapis.com/ajax/libs/jquery/2.0.0/jquery.min.js"></script>`
 - **For active scroll**
- `<link rel="apple-touch-icon" sizes="180x180" href="assets/favicon/apple-touch-icon.png">`
- `<link rel="icon" type="image/png" sizes="32x32" href="assets/favicon/favicon-32x32.png">`
- `<link rel="icon" type="image/png" sizes="16x16" href="assets/favicon/favicon-16x16.png">`
 - **For Favicon – taken from <https://favicon.io/>**

UXI

- Strategy plane
 - What are you aiming to achieve in the first place and for whom?
- Scope plane
 - Which features, based on information from the strategy plane, do you want to include in your design?
 - What's on the table for a production release and what's not, at least for now?
- Structure plane
 - How is the information structured and how is it logically grouped?
- Skeleton plane
 - How will our information be represented, and how will the user navigate to the information and the features?
- Surface plane
 - What will the finished product look like? What colours, typography and design elements will we use?

UXI

- Strategy plane
 - What are you aiming to achieve in the first place and for whom?

I want to create a personal portfolio site in order to showcase my skills and work to potential future clients/recruiters/employers.

My aim is to have a balance between a professional, competent-looking site, and one which reflects my personality and own creativity.

From a graded-project point of view, I am aware that I am often tempted to go 'overboard' with my work. Therefore, I need to ensure that I demonstrate ability in HTML5 and CSS3 from what I have learnt so far, whilst also adding in additional features without overloading the code or the website itself.

User stories

- As a prospective client, I want to see an example of the type of website that could be created. I am less interested in the content itself, and more interested in the different features that have been implemented and the overall look of the site.
- As a non-technical recruiter/employer, I am interested in the work history of the candidate and the availability of a hard-copy CV.
- As technical recruiter/employer, I would like to see work history of the candidate and also see a demonstration of their programming ability.
- As a prospective collaborator, I am interested in seeing the candidate's programming ability and design choices.

Strategy plane

Opportunity/Problem	Importance	Viability/Feasibility
Create an online presence	5	5
Showcase work portfolio	5	5
Demonstrate ability in HTML5/CSS3	5	5
Information Architecture	5	5
Documentation	5	5
Version Control	5	5
Attribution	5	5
Deployment	5	5
Additional features (to be scoped separately)	4	3
Sum of importance		44
		Average viability * number of items
		43

If the importance matched the viability, we would be in the position to implement all of the features. If not, we need to decide which of the opportunities are going to be implemented for this release.

Strategy plane

Create an online presence

Showcase work portfolio

Demonstrate ability in
HTML5/CSS3

Information Architecture

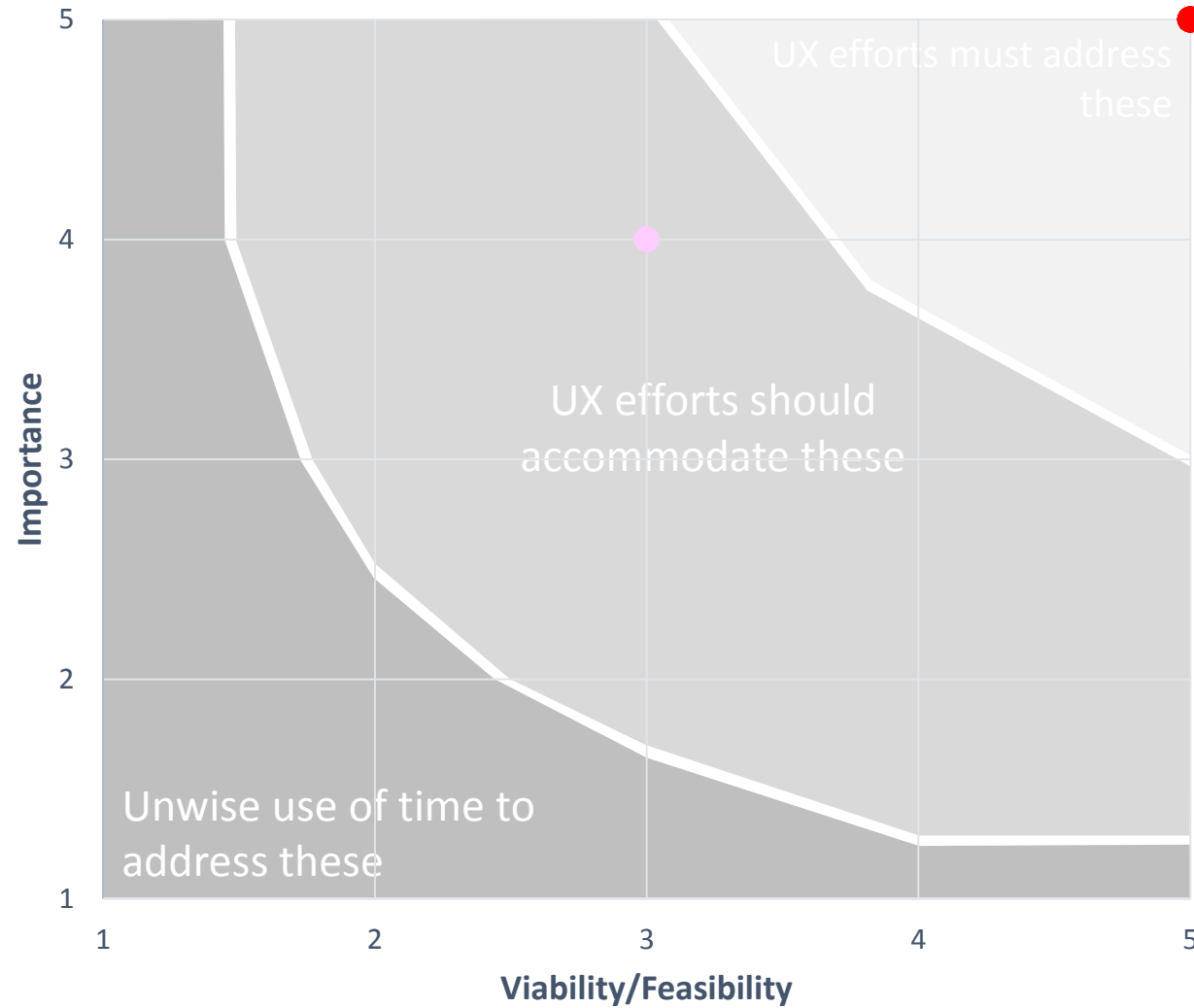
Documentation

Version Control

Attribution

Deployment

Additional features (to be
scoped separately)



Strategy plane – additional features

Opportunity/Problem	Importance	Viability/Feasibility
Image when loading homepage	5	5
Loading image to slide to position	3	3
Home page icons to appear	4	4
Home page text to appear	4	4
Home image to show through menu modal	3	2
Hamburger to cross transition	3	2
About icons loading in succession	4	2
Submit message change	2	3
Email pop out to client	1	1
Sum of importance		29
		Average viability * number of items
		26

If the importance matched the viability, we would be in the position to implement all of the features. If not, we need to decide which of the opportunities are going to be implemented for this release.

Strategy plane – additional features

Image when loading
homepage

Loading image to slide to
position

Home page icons to appear

Home page text to appear

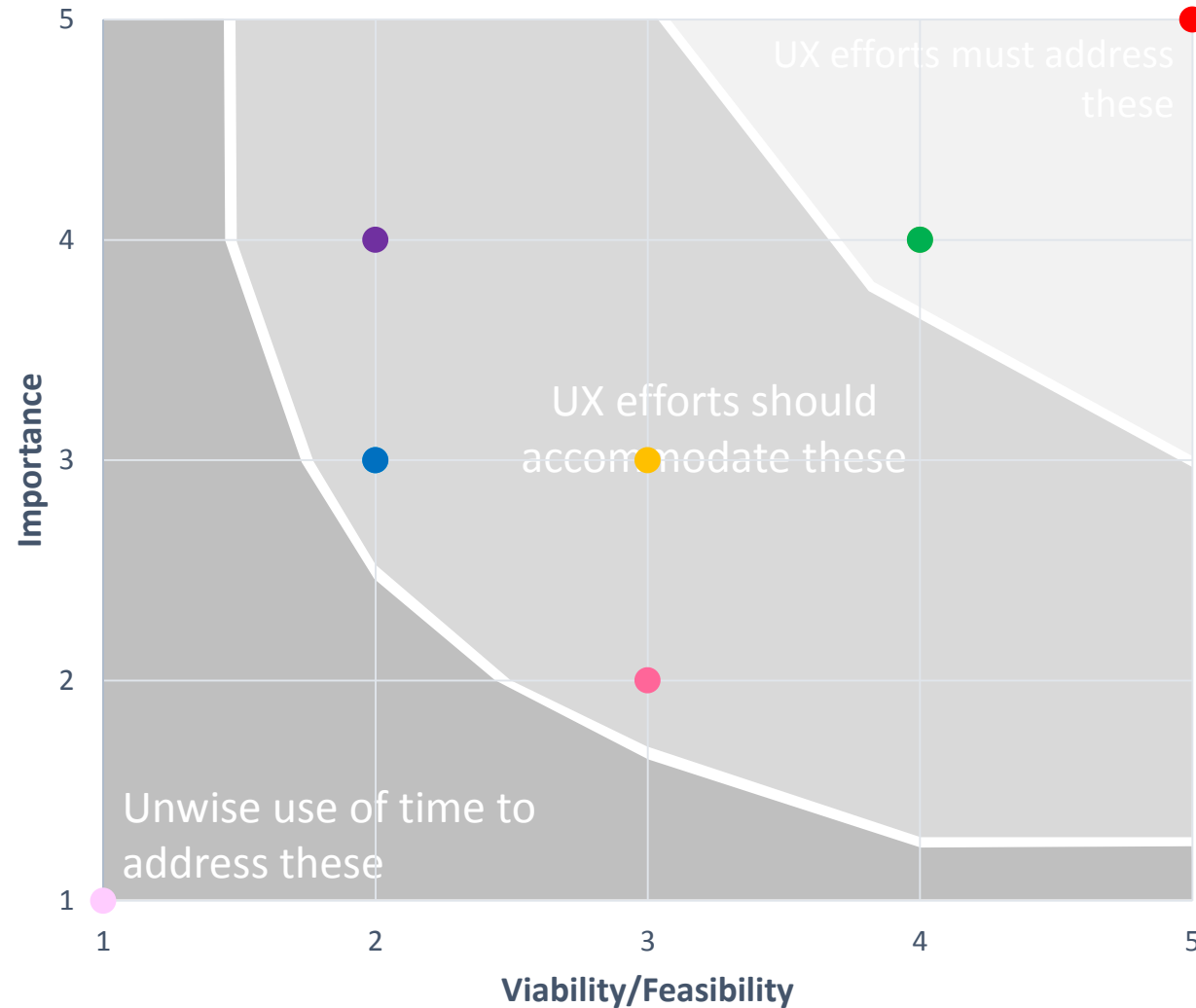
Home image to show
through menu modal

Hamburger to cross
transition

About icons loading in
succession

Submit message change

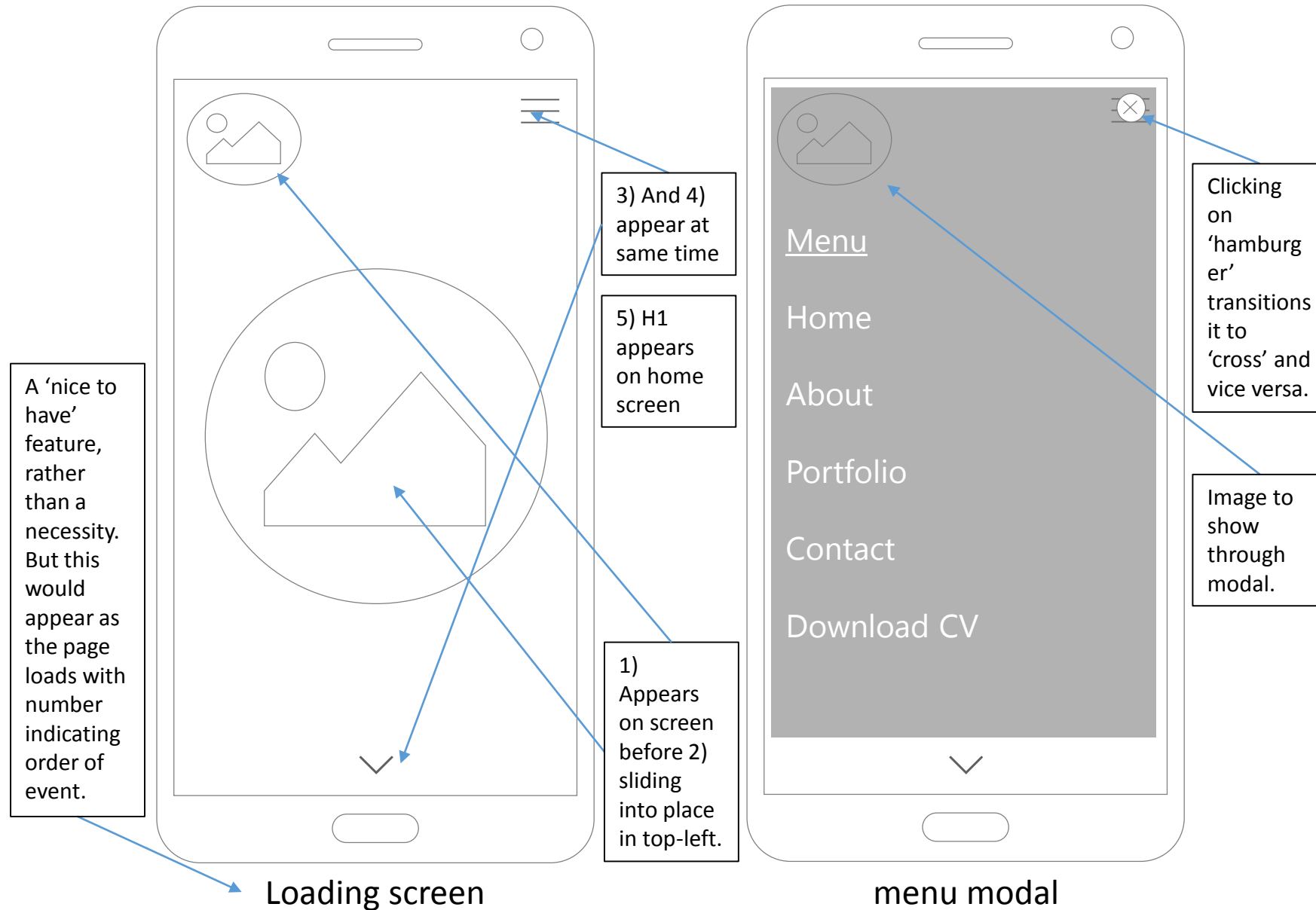
Email pop out to client



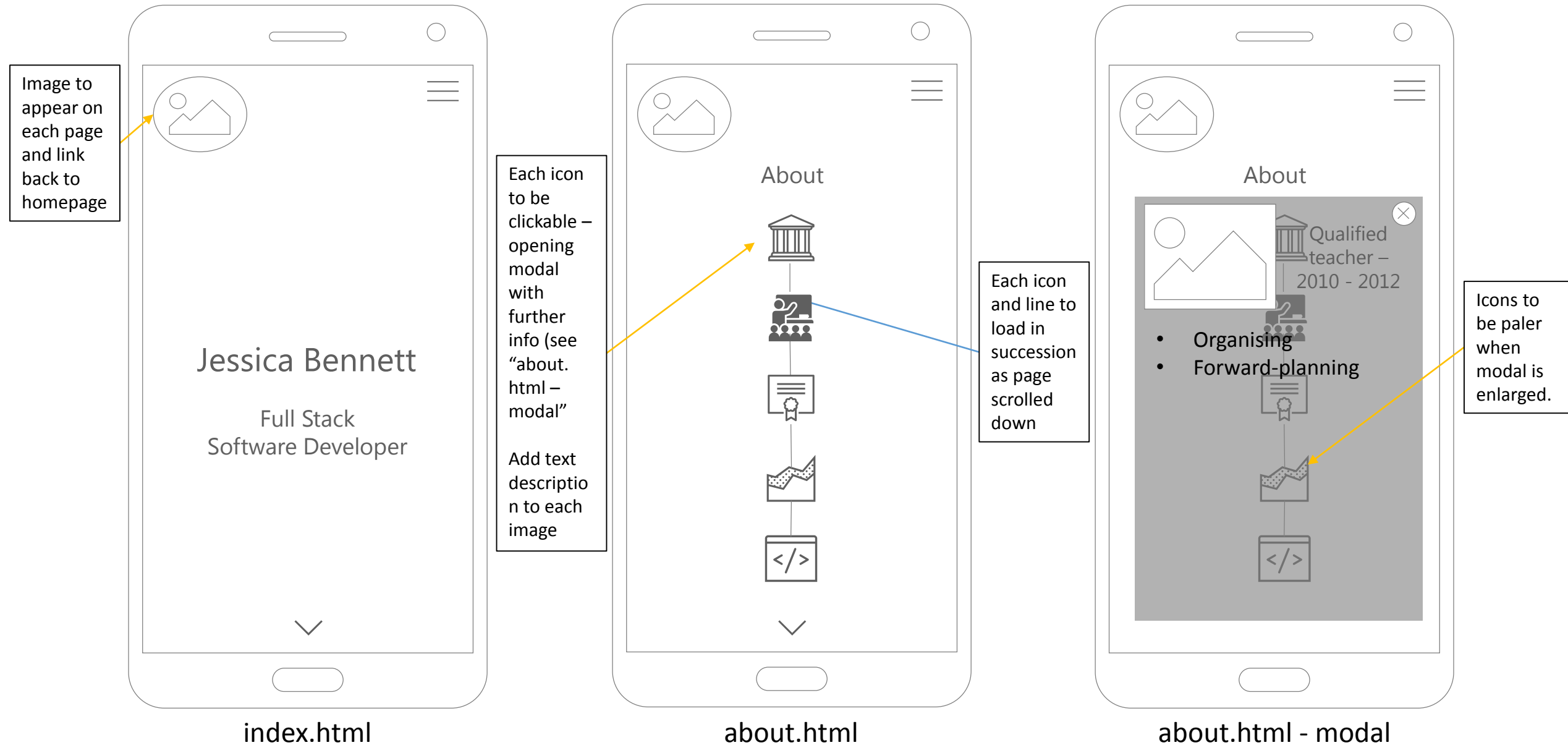
Structure plane

- Consistent
- Predictable
- Learnable
- Visible
- Feedback

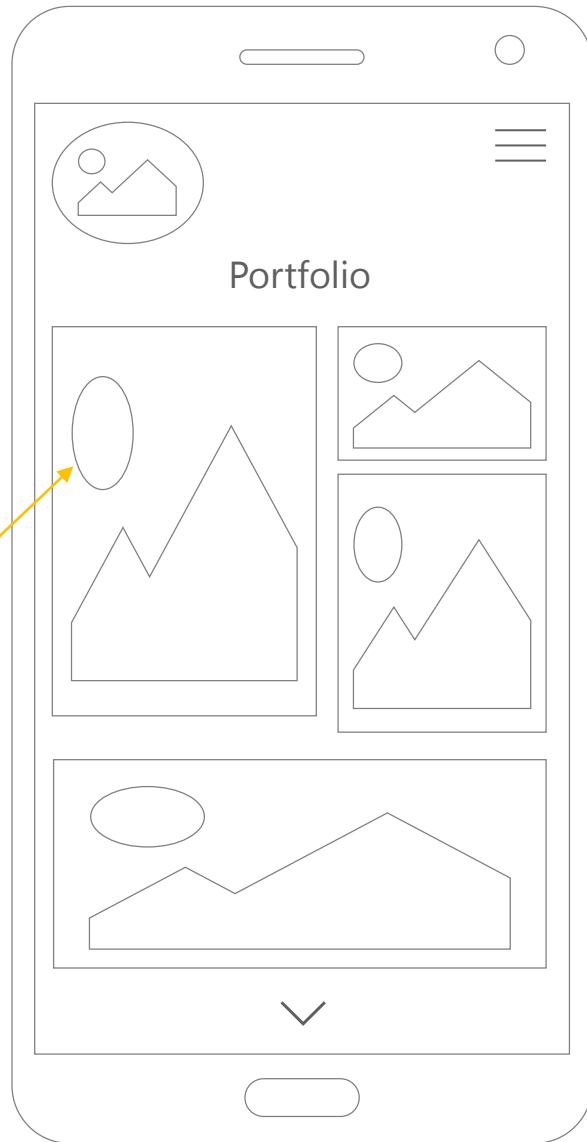
Wireframe – Mobile (1/3)



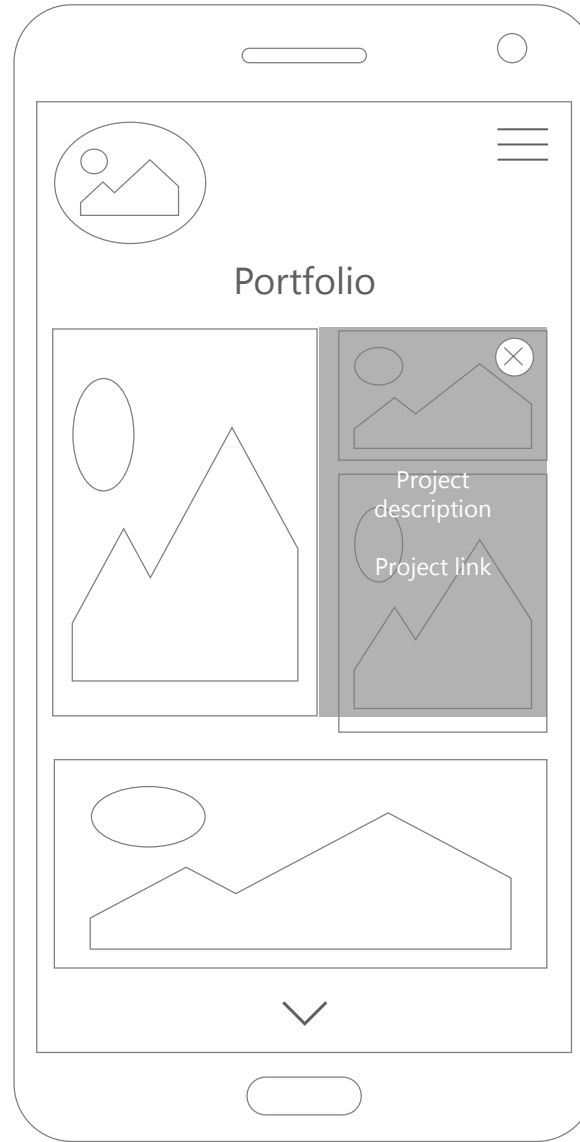
Wireframe – Mobile (2/3)



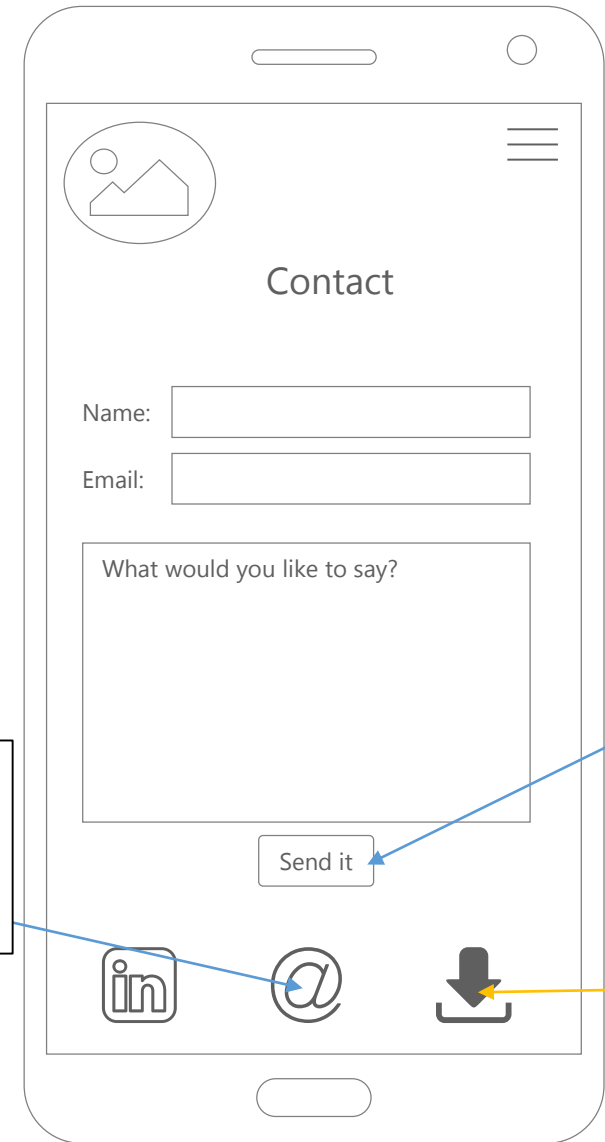
Wireframe – Mobile (3/3)



portfolio.html



portfolio.html - sidebar



contact.html - modal

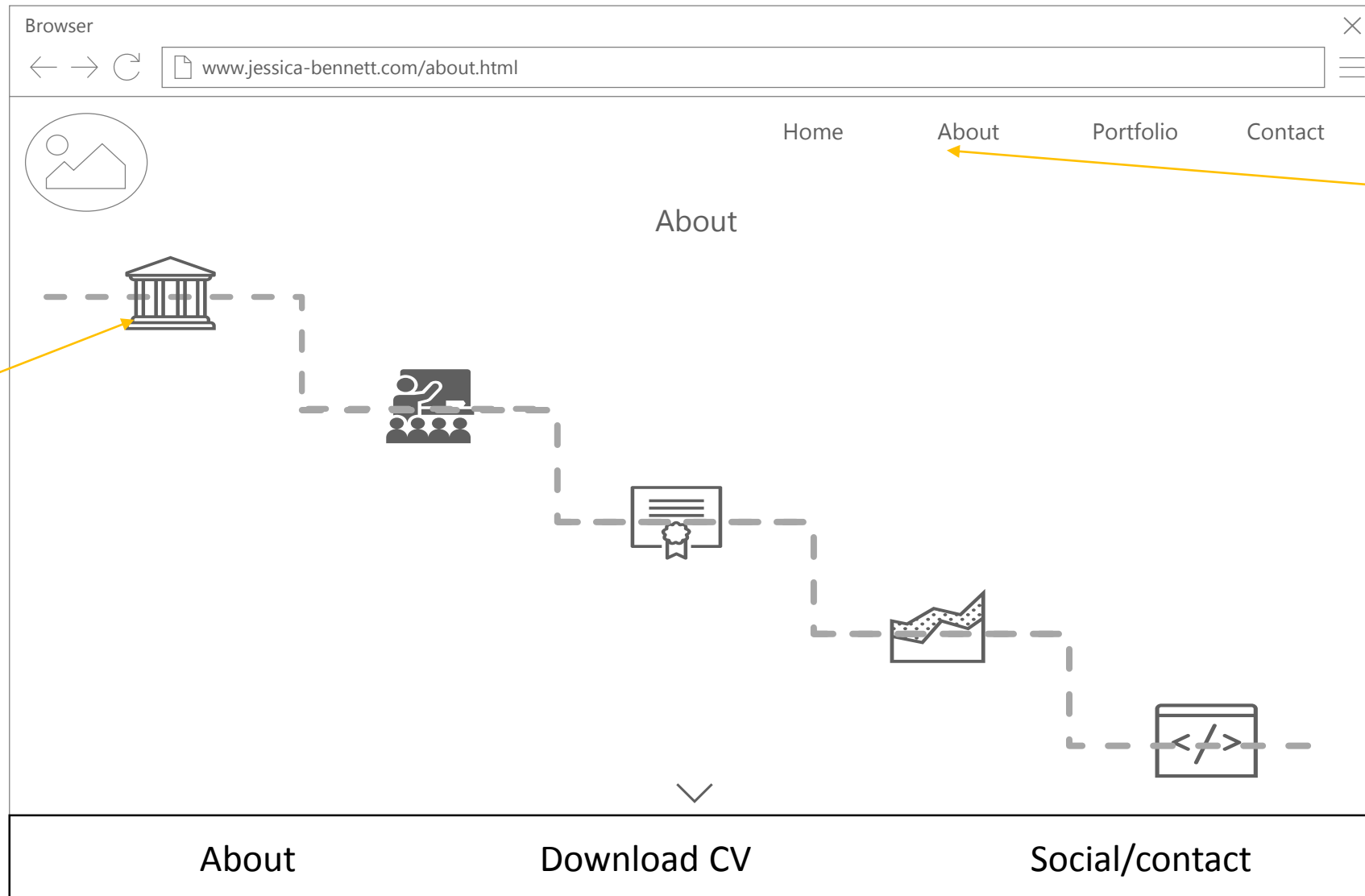
Masonry gallery.
When image is clicked – see portfolio.html - sidebar

Pop out into email client when clicked?

Would be nice to indicate that message is sending and then again once sent.

Download cv

Wireframe – Desktop (1/1)



Images



The far-left image has shaped my colour-palette for the website as it's an image that reflects me. The left-hand image is my 'home' image, for the same reason.

The images below are for my 'about' section to document each step of my journey so far.



The pictures have had a 'history' filter applied over them in order to blend them into the website, and have been resized to an optimal online size using the Photo & Picture Resizer app.

Colour scheme/font families

- Font-families

- Headings

- “Raleway”, sans-serif

- Text

- “Quicksand”, sans-serif

- Colour scheme

The colour scheme has been generated using ‘Adobe Color’, by extracting the gradient from my ‘inspiration’ image (see above).

#789FBD
#9CBCCF
#E7E0DA
#717475
#767D5A
#45473B

Text colour

Text colours for each section have been checked using the following site:

<http://juicystudio.com/services/luminositycontrastratio.php#specify>

Background colour	Font colour	Contrast ratio
#789FBD	#383A3A	The contrast ratio is: 4.08:1 Passed at Level AA for large text only: If the text is large text (at least 18 point or 14 point bold)
#9CBCCF	#383A3A	The contrast ratio is: 5.73:1 Passed at Level AA for regular text, and pass at Level AAA for large text: If the text is large text (at least 18 point or 14 point bold)
#FAF8F7	#434546	The contrast ratio is: 7.38:1 Passed at Level AAA: The luminosity contrast ratio is very good for the chosen colours
#717475	#FCFBFB	The contrast ratio is: 4.56:1 Passed at Level AA for regular text, and pass at Level AAA for large text: If the text is large text (at least 18 point or 14 point bold)
#767D5A	#FCFBFB	The contrast ratio is: 4.19:1 Passed at Level AA for large text only: If the text is large text (at least 18 point or 14 point bold)
#45473B	#E7E0DA	The contrast ratio is: 7.25:1 Passed at Level AAA: The luminosity contrast ratio is very good for the chosen colours

Colour use

Background colour	Font colour	Use
#789FBD	#383A3A	Header (home page) – gradient from top to bottom linear-gradient(#789FBD 0%, #9CBCCF 50%, #E7E0DA 99%)
#9CBCCF	#383A3A	
#FAF8F7	#434546	Main sections of site linear-gradient(#9CBCCF 0%, #E7E0DA 5%, #E7E0DA 95%, #767D5A 100%)
#717475	#FCFBFB	Modals
#767D5A	#FCFBFB	Contact form and gradient to footer – text in contact form will be coloured with footer colour linear-gradient(#E7E0DA 0%, #767D5A 8%, #45473B 95%)
#45473B	#E7E0DA	Footer

NB – Gradients not supported in all browsers, so background colour will also need to be specified.

Gradient syntax taken from W3schools.com and adapted

New colours!

Text colours for each section have been checked using the following site:
<http://juicystudio.com/services/luminositycontrastratio.php#specify>

Background colour	Font colour	Contrast ratio
#36454f	#f1f3f5	The contrast ratio is: 8.90:1 Passed at Level AAA: The luminosity contrast ratio is very good for the chosen colours (#36454f and #f1f3f5).
#0892d0	#f1f3f5	The contrast ratio is: 3.13:1 Passed at Level AA for large text only: If the text is large text (at least 18 point or 14 point bold), the luminosity contrast ratio is sufficient for the chosen colours (#0892d0 and #f1f3f5).
#f1f3f5	#36454f	The contrast ratio is: 8.90:1 Passed at Level AAA: The luminosity contrast ratio is very good for the chosen colours (#f1f3f5 and #36454f).
#e5eaed	#36454f	The contrast ratio is: 8.17:1 Passed at Level AAA: The luminosity contrast ratio is very good for the chosen colours (#e5eaed and #36454f).
#f1f3f5	#36454f	The contrast ratio is: 8.90:1 Passed at Level AAA: The luminosity contrast ratio is very good for the chosen colours (#f1f3f5 and #36454f).
#d1ca1d	#36454f	The contrast ratio is: 5.74:1 Passed at Level AA for regular text, and pass at Level AAA for large text: If the text is large text (at least 18 point or 14 point bold), the luminosity contrast ratio is sufficient for the chosen colours at Level AAA; otherwise, Level AA (#d1ca1d and #36454f).

Colour use

Background colour	Font colour	Use
#36454f	#f1f3f5	Nav
#0892d0	#f1f3f5	Home
#f1f3f5	#36454f	About
#e5eaed	#36454f	Skills
#f1f3f5	#36454f	Portfolio
#d1ca1d	#36454f	Contact/footer

Initial Testing

Who	Device	Issue	Solution
Tom	Mobile	Homepage quote not in place long enough to read	Animation changed so that text displays longer
		Contact form submit button partly covered by text area when inputting text	Header section height increased
			Above solution did not fix the error. Have now added a media query for tablet sizes and smaller (i.e. those with pop-up keyboards) so that contact form header height and button height are in px rather than vh.
Mum	Laptop	Icons on About page not showing until clicked. Possible IE issue?	
Dad	Mac – desktop	Portfolio cards blank on back when they spin round.	Was missing “-webkit-backface-visibility: hidden;”
Jess	Laptop	Text under about icons turning blue and appearing clickable	.icon class added