

Chris Hullman

Professional Portfolio
Design & Development

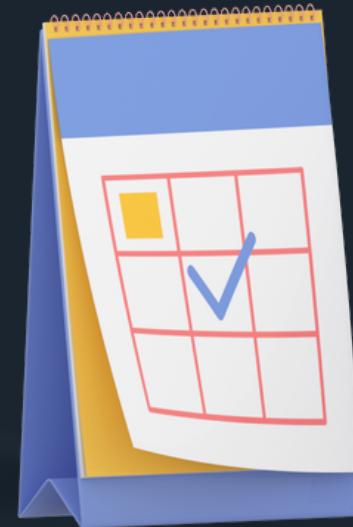
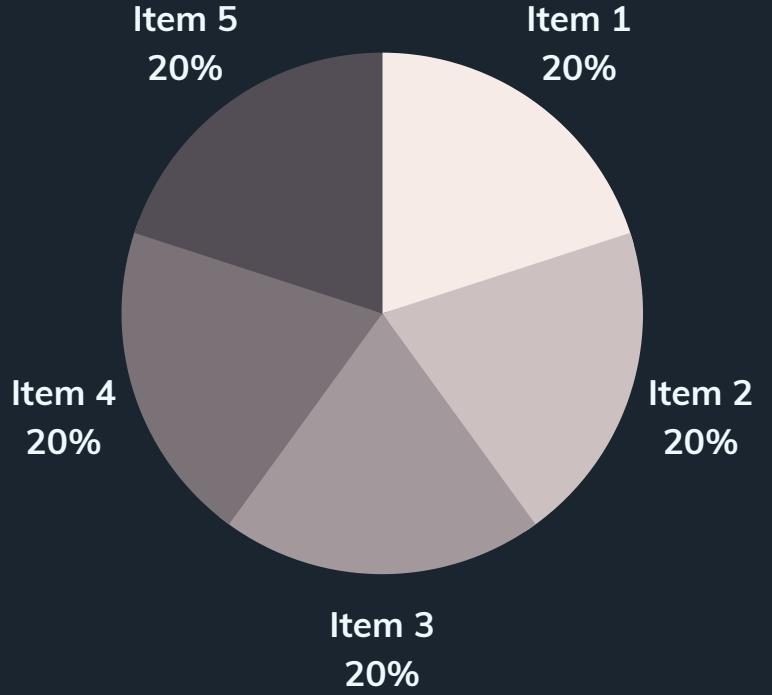
Student Web Developer



A Nautical and Ocean Themed Portfolio



*Presentation by Chris Hullman - Developed in Canva
Background source: unsplash.com
(and edited in Photoshop)*



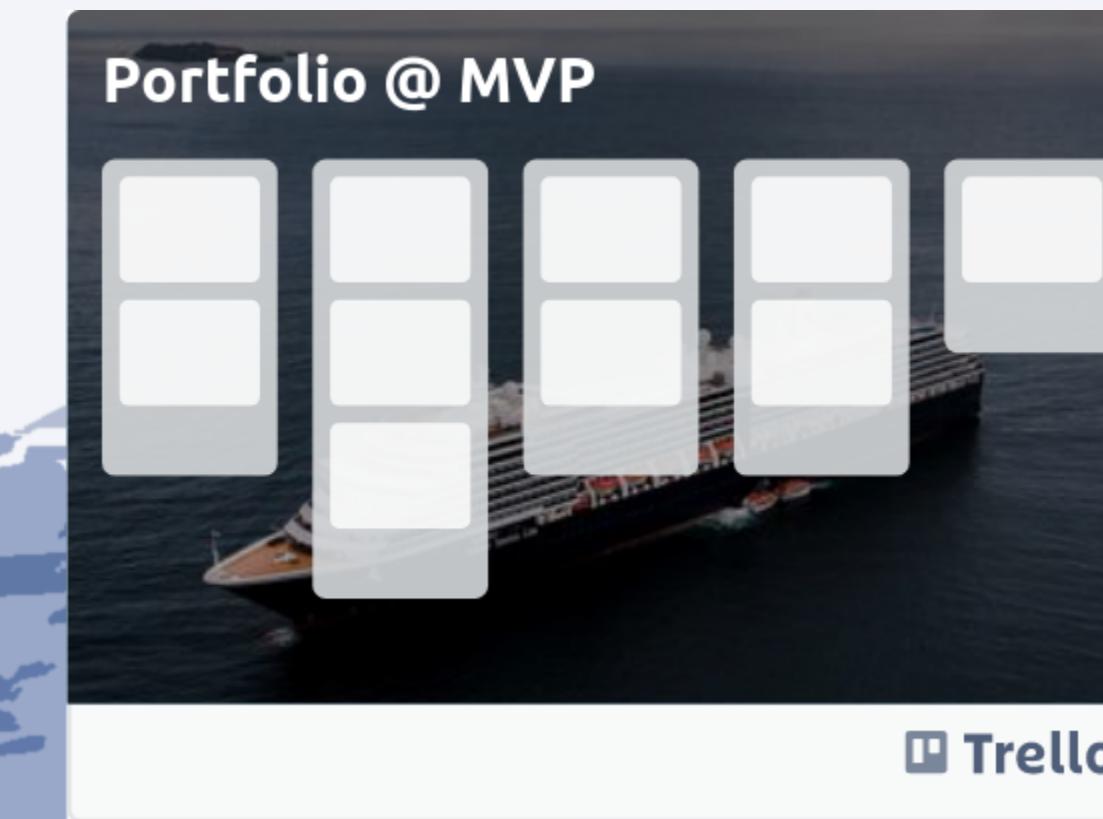
Trello

Planning and Organisation for MVP

("Kanban" agile framework)

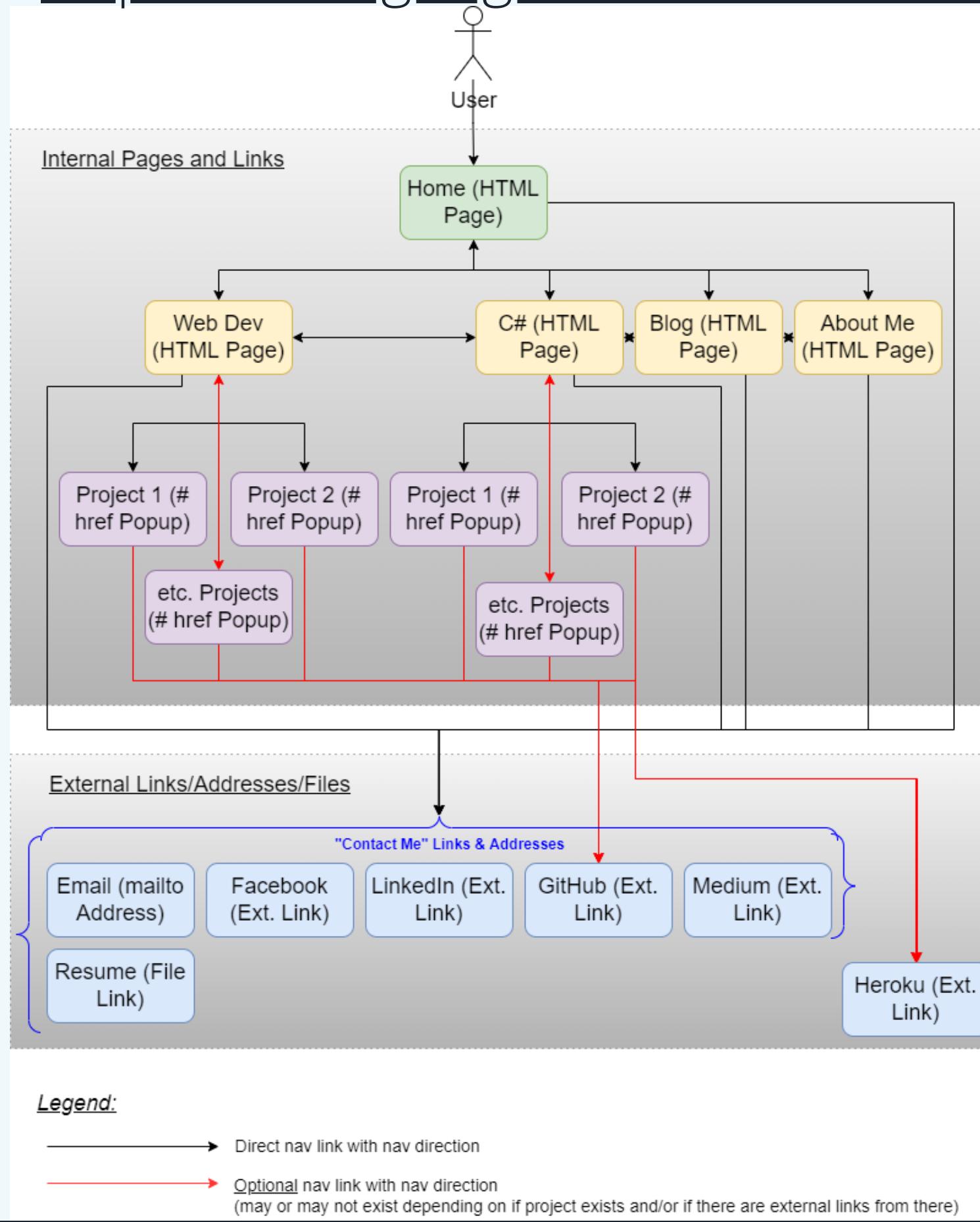
- Assessment requirements
- Development requirements
- User requirements

<https://trello.com/b/p0UFveR7/portfolio-mvp>



Sitemap and Navigation

https://drive.google.com/file/d/1-mit_y1Mlj1l4atJawv8KYqVJWgZxAQm/view

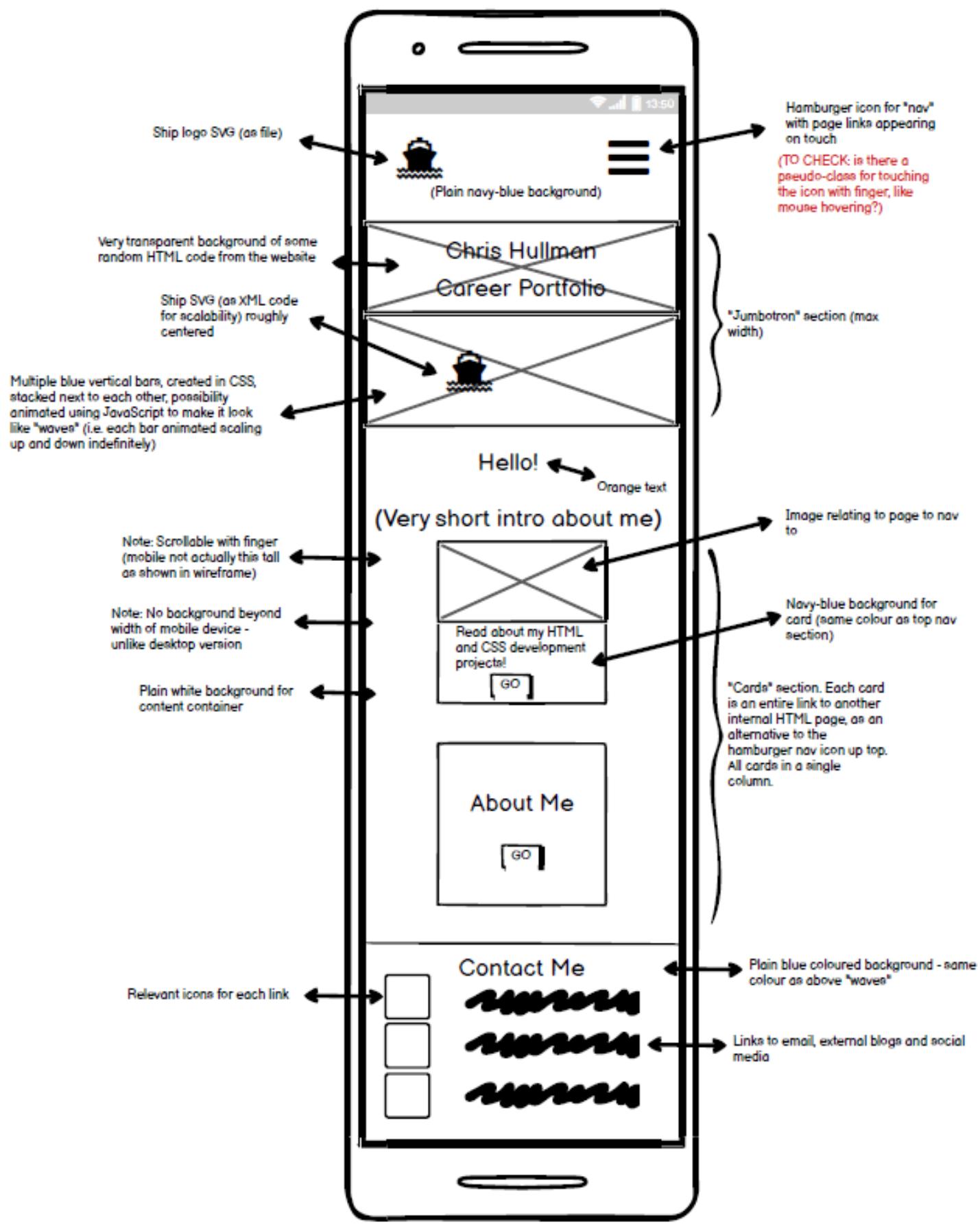


- It is expected that the user will enter the website via the Home page index.html.
- From there, they can navigate to every and any internal HTML page and back again to the Home page (see arrow directions). FIVE HTML pages in total.
- TWO subpages (web dev and C#) that showcase my projects and skills history, link to window popups for each project that can be closed again.
- EVERY HTML page includes links to contact me or see my social media accounts. This is intentional so that the user ALWAYS knows how to contact me throughout page navigation.
- All external links/addresses/files will open in a new browser tab or window, so the user can always refer back to my portfolio.

Wireframes: Home Page

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

Home Page HTML - Mobile View (Android or Apple)



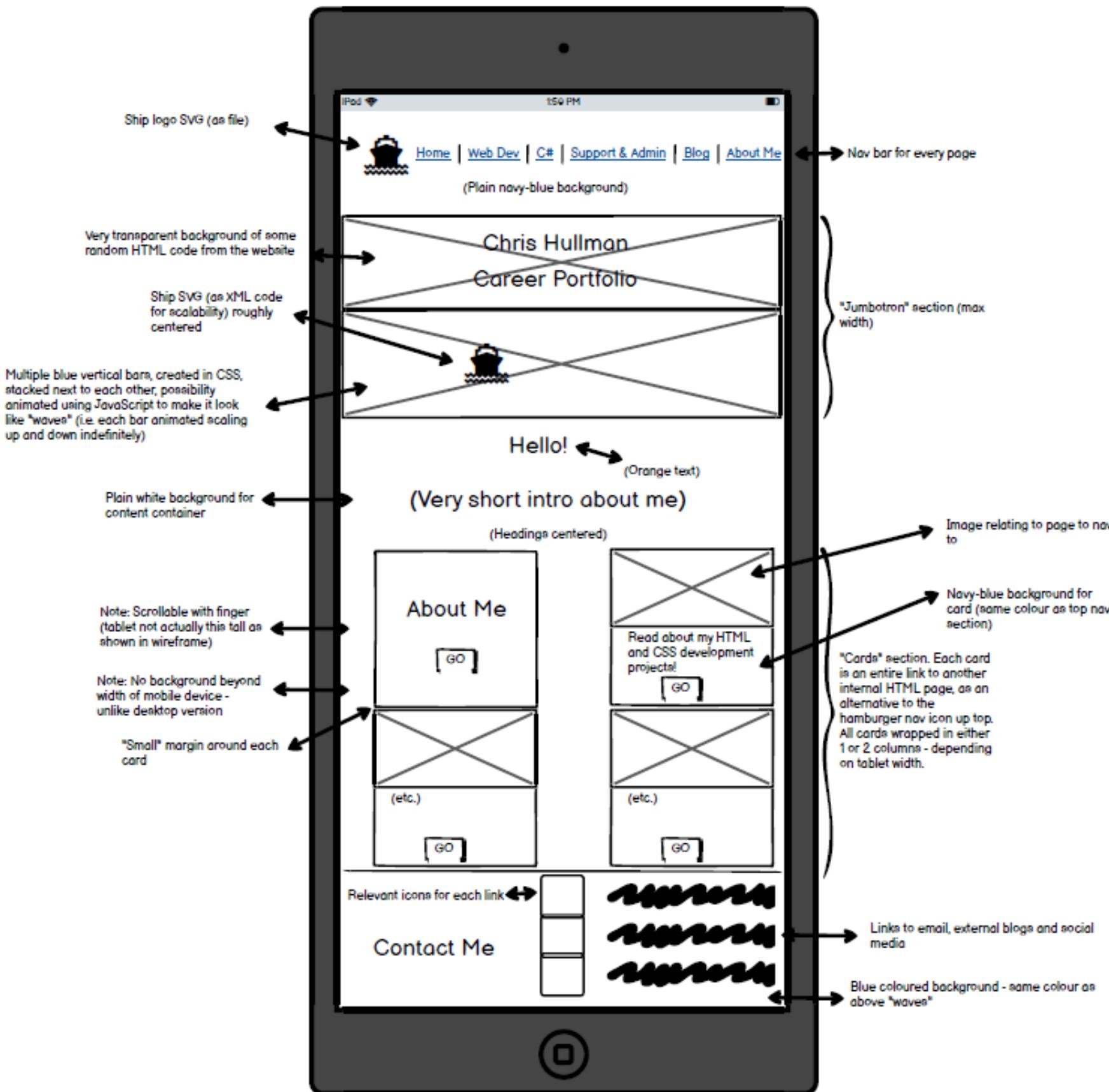
Decision making process for aesthetic:

- For the nautical theme, I wanted a navy blue colour to be predominant to represent an ocean, along with nautical/maritime related logos.
 - The colour navy blue has a "colour meaning" correlates a thought of professionalism and formality.
 - Consistency is important: ALL pages and popups follow the exact same colours scheme.
- The user's expectations for layout must be adhered to that follows most common website formats, including:
 - Nav bar at the top of the page, with the nav links collapsing into a "hamburger" dropdown on mobile views to save screen space.
 - Very short brief of my name, website title and brief about me as easy to read headers underneath the nav bar.
 - Page nav links in the form of clickable "cards" in the middle of the page.
 - Contact me details on the bottom in a footer.
- A "click-bait"/eye-catcher is predominant on the page in the form of an ocean wave animation to gain the user's attention/interest.
- Aesthetic must go hand-in-hand with accessibility (and this is common for all my pages and popups):
 - The primary colours used, navy blue, orange and white, all contrast well with each other, and is also suited to possible colour-blind users.
 - All images have "alt" attributes to help screen-reading software for the vision impaired.
 - Content has appropriate paddings and margins for ease of distinction between components and ease of touching or clicking the right element.
 - Font-family should be easy to read, with backup fonts specified if Google Fonts is unavailable.
- Mobile-first aesthetic:
 - especially important in today's contemporary society of a mobile workforce, and the high use of mobile phones in the population.
 - Everything arranged into a column on mobile devices, so no annoying horizontal scrolling.

Wireframes: Home Page

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

Home Page HTML - Tablet View



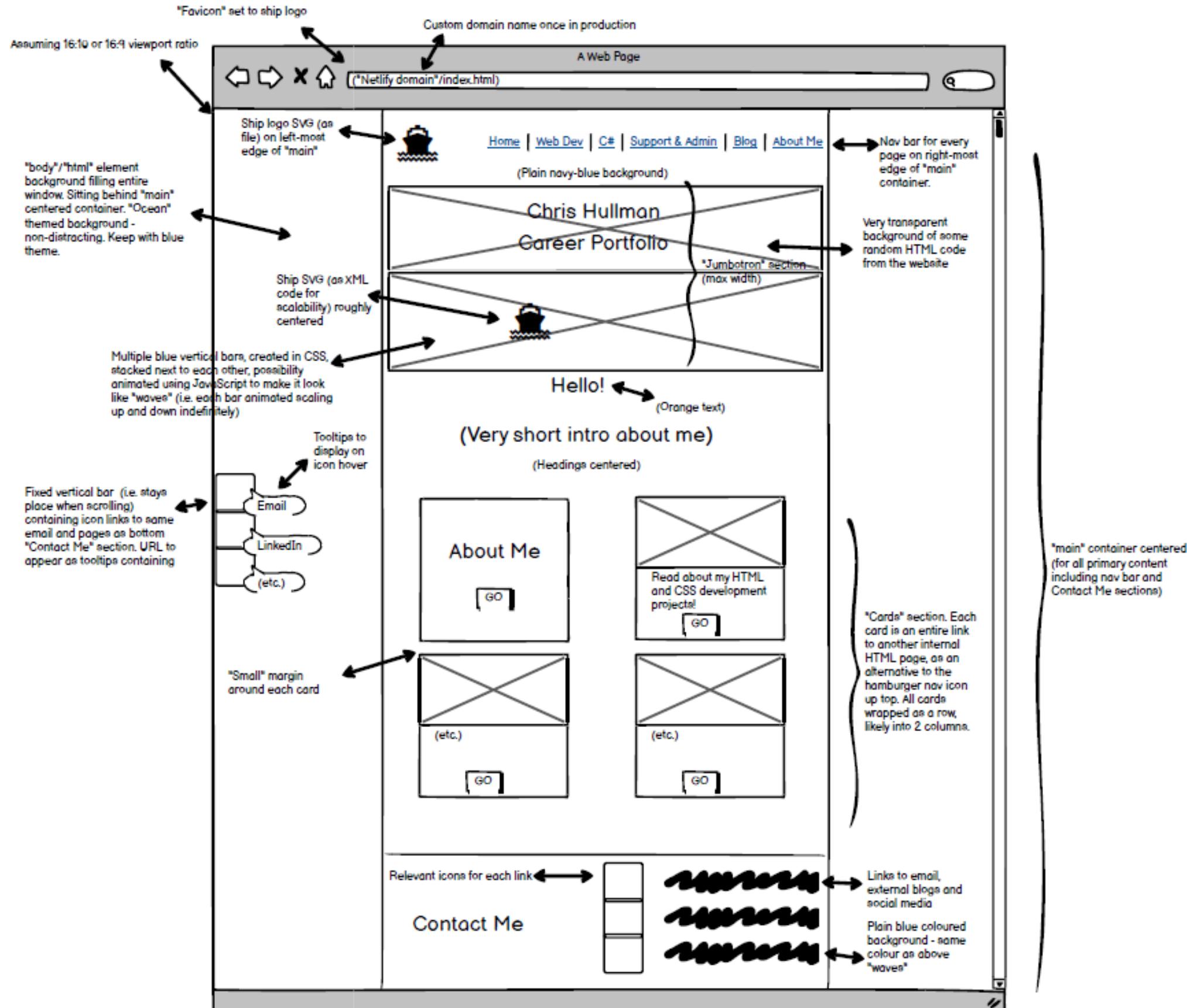
Decision making process for aesthetic:

- To maximise use of more available "white space" on the larger tablet and desktop browser screens, components are arranged into rows where possible, rather than columns like in the mobile view.

Wireframes: Home Page

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

Home Page HTML - Desktop/Laptop View



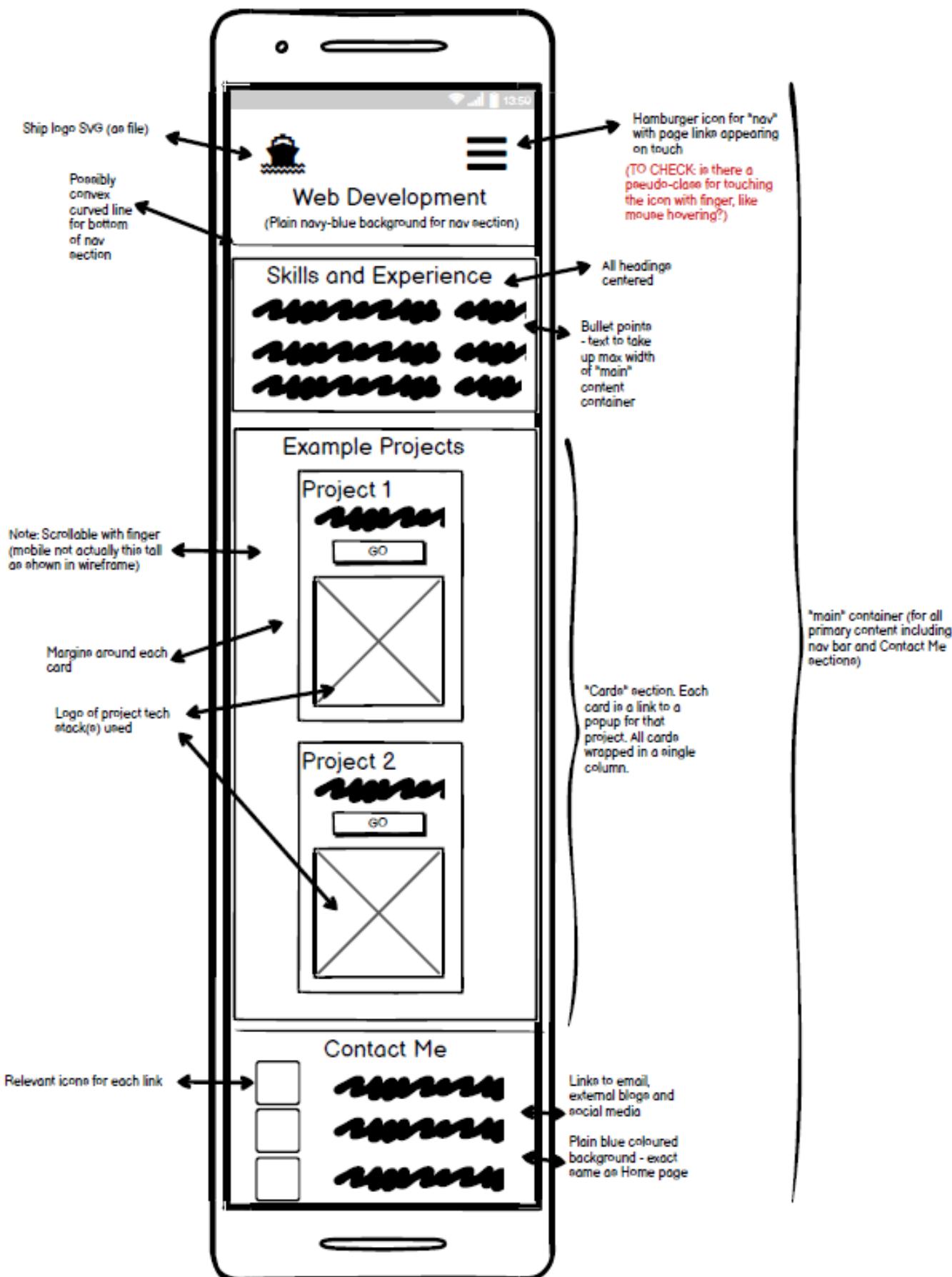
Decision making process for aesthetic:

- As desktop browsers are large screens, and I don't have many components relative to the screen size. I didn't want too much empty boring "white space" on screen. So the center of the page holding all components is maxed out at 1280px width, and left, and right of that is my background that is only shown on large screens. This layout and aesthetic is common across all pages.
- Again, to complement aesthetic with accessibility, I wanted the user to ALWAYS know how to contact me. The advantage of a desktop browser's larger screen is that I can have a fixed nav bar of "contact me" links stuck on the left side of the screen, in addition to the "contact me" footer. This is common across all pages as well on desktop browsers.

Wireframes: Skills and Project Pages

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

Skills/Exp and Projects Pages HTMLs - Mobile View (Android or Apple)



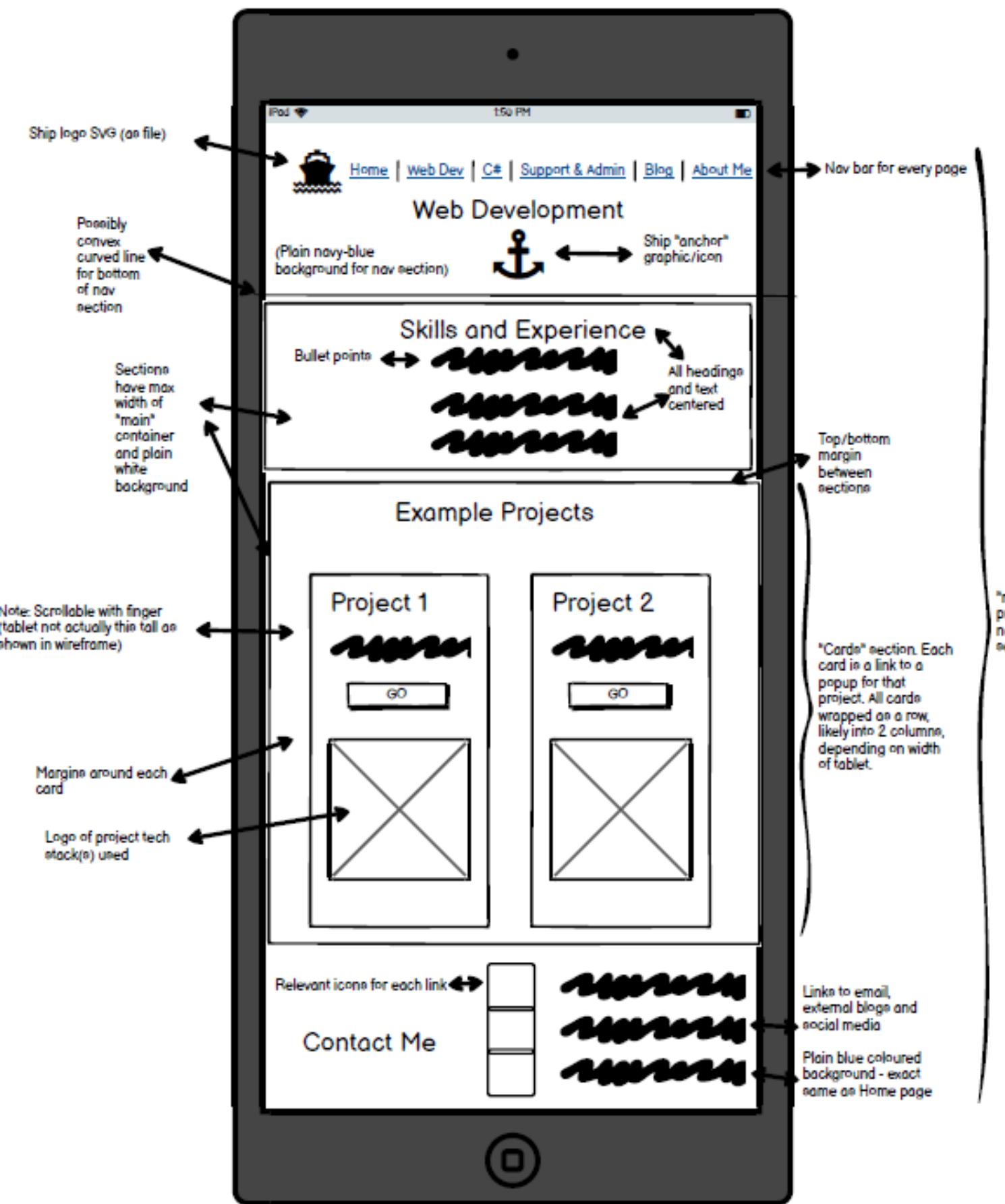
Decision making process for aesthetic:

- Convex curve of the bottom title background underneath the nav bar to provide a bit of aesthetic relief for the user from most other components throughout the website being rectangular. This is consistent across all subpages to help distinguish them from the Home page.
- Because this is a portfolio, I want both my Skills and Experience, and my previous Projects featured predominantly to the user in this aesthetic.
 - Both these components are centrally positioned, with the project "cards" links similar to the cards component on the Homepage to assist with the user's familiarity.

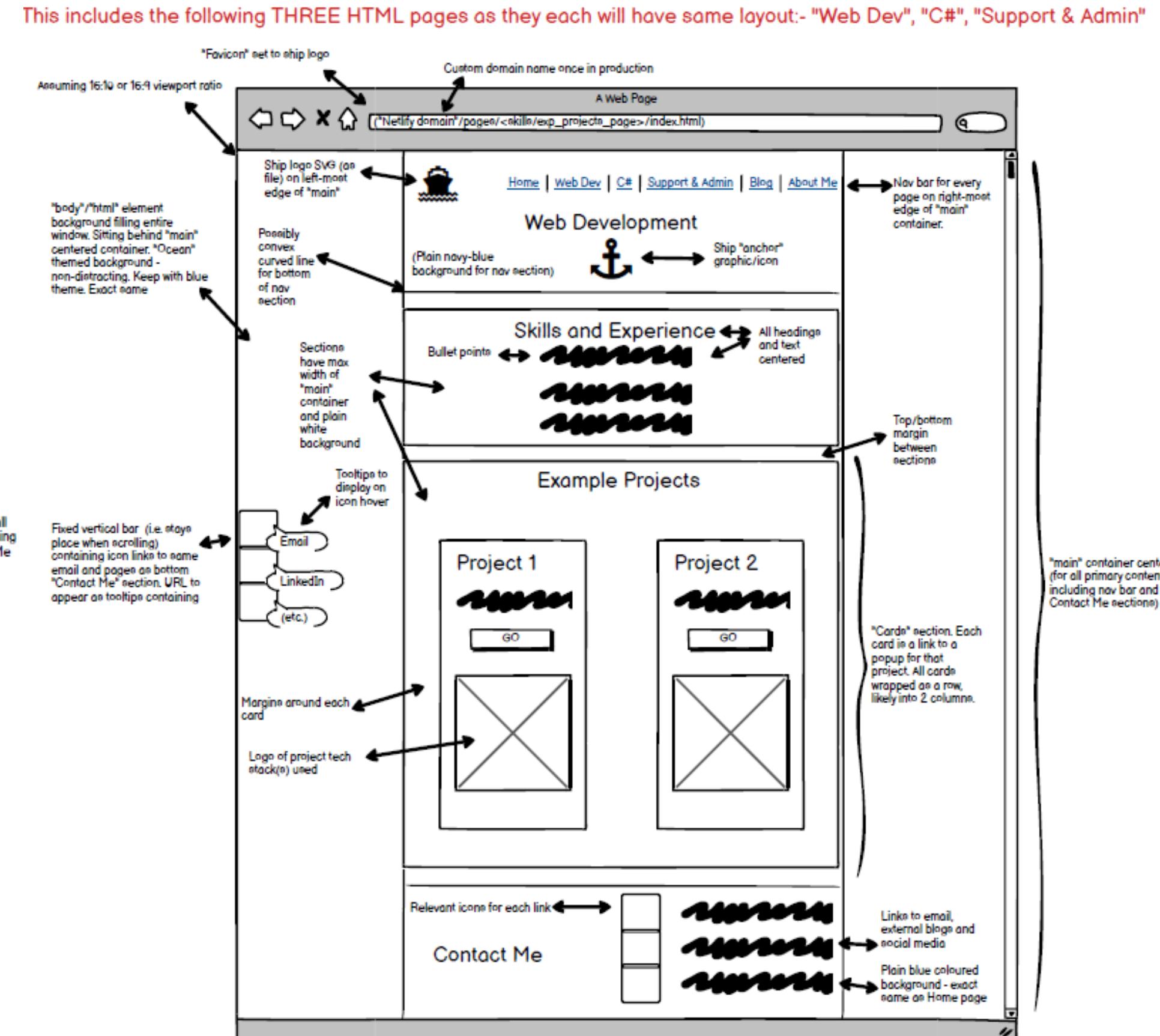
Wireframes: Skills and Project Pages

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

Skills/Exp and Projects Pages HTMLs - Tablet View



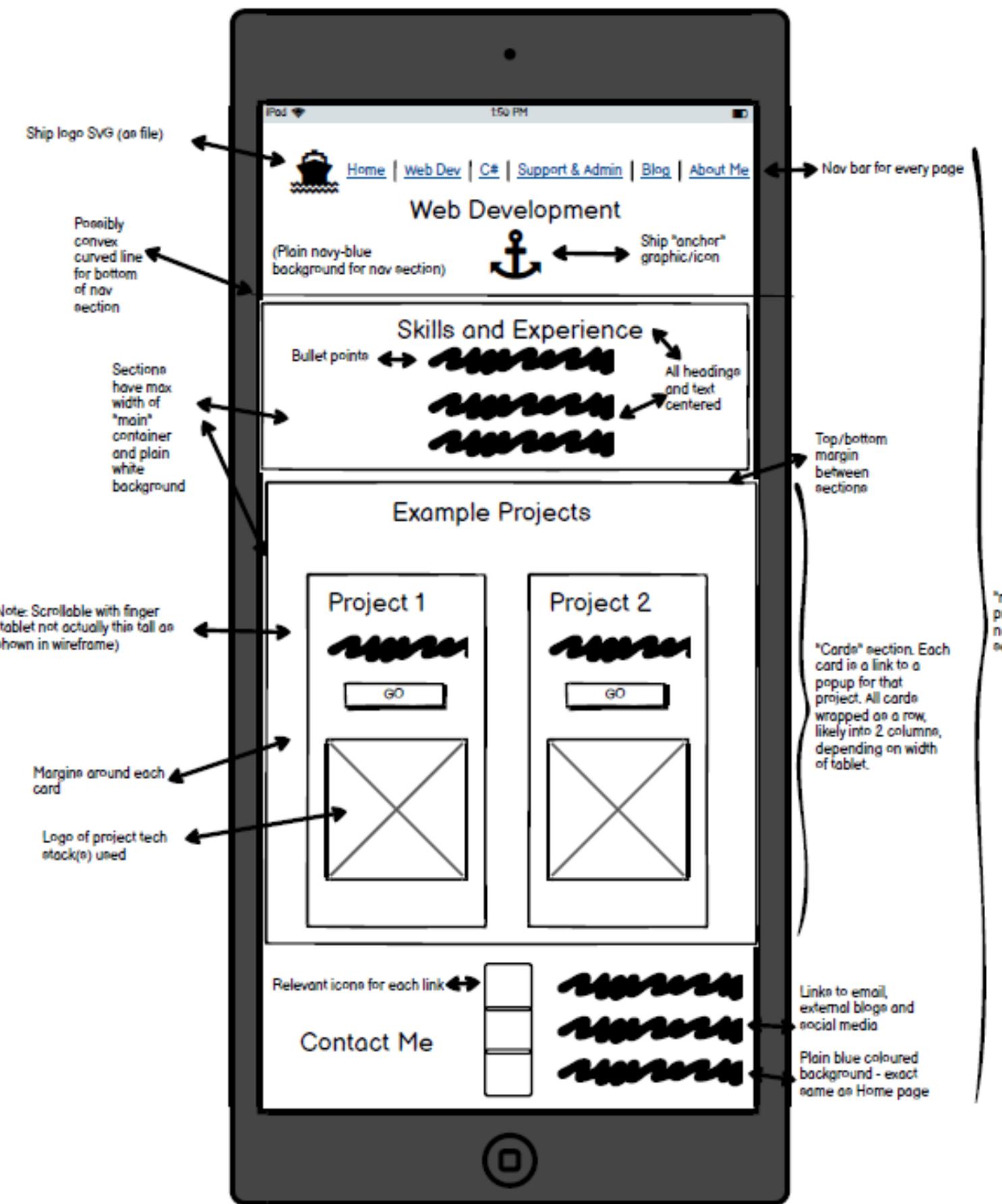
Skills/Exp and Projects Pages HTMLs - Desktop/Laptop View



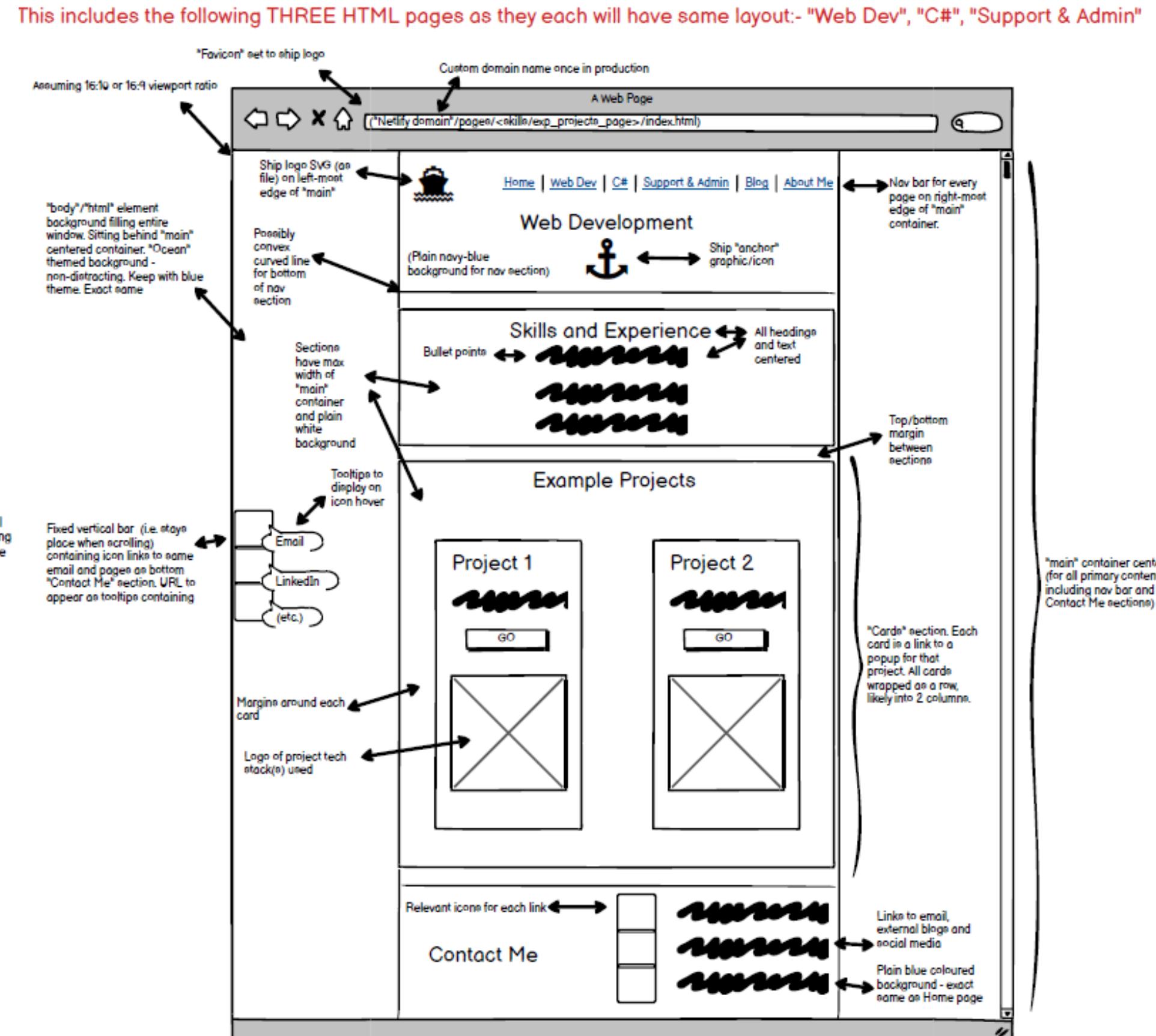
Wireframes: Skills and Project Pages

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

Skills/Exp and Projects Pages HTMLs - Tablet View



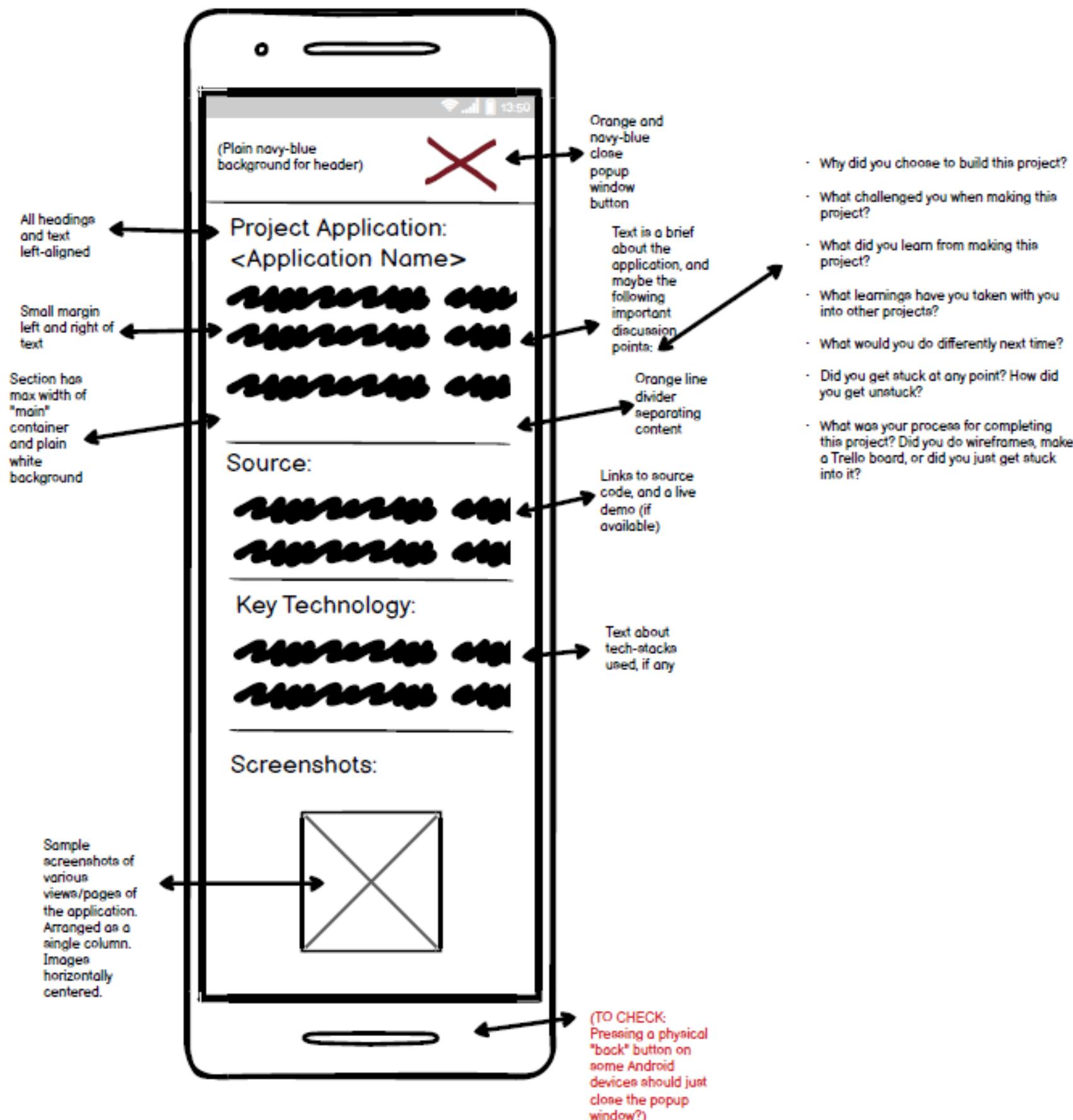
Skills/Exp and Projects Pages HTMLs - Desktop/Laptop View



Wireframes: Project Popup

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64QuI8ymBer/view>

Project Popup (Not an Individual HTML file) - Mobile View (Android or Apple)



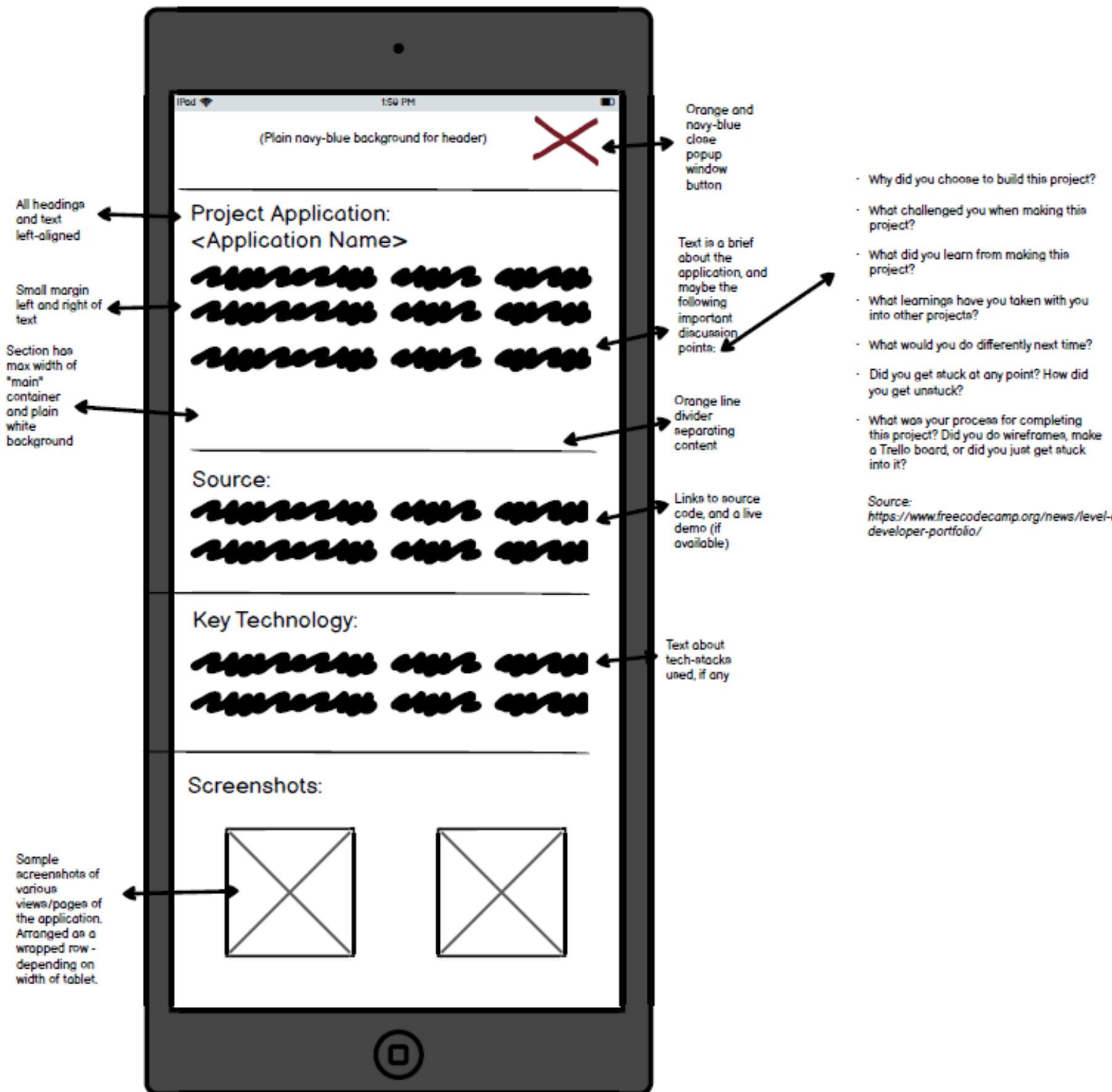
Decision making process for aesthetic:

- These popups for each project are not a separate HTML file, as there could be countless numbers of projects showcased in the future on my portfolio
- Aesthetic remains the same as all other pages, except that the top nav bar and bottom "contact me" footer isn't shown. This is intentional because I wanted as much screen real-estate as possible to have the user focus purely on my projects.
- The user can easily close the popup window with the 'X' button at the top right. Positioned there intentionally to be like most other close buttons in other popular apps and windows.

Wireframes: Project Popup

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

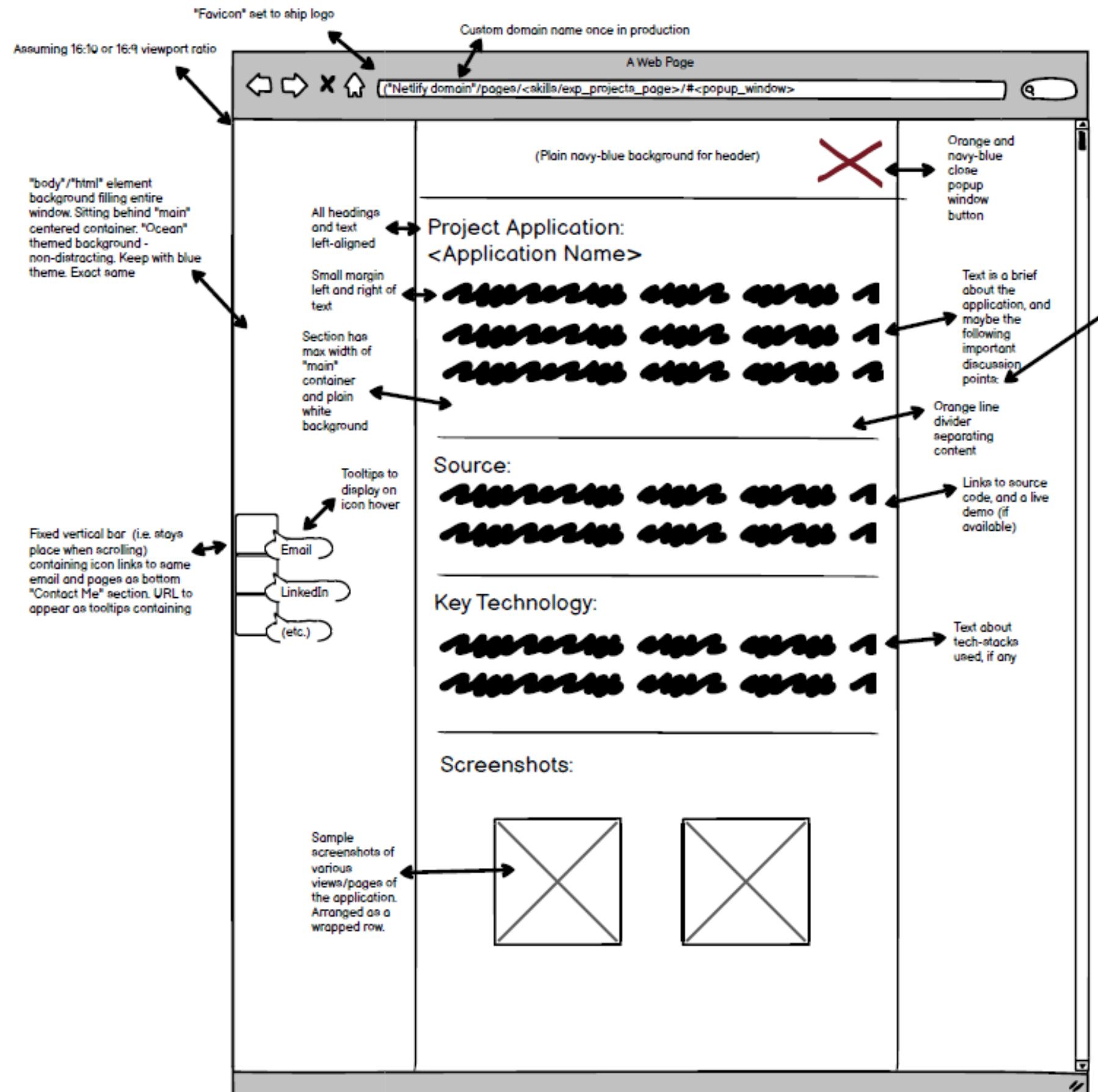
Project Popup (Not an Individual HTML file) - Tablet View



Wireframes: Project Popup

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

Project Popup (Not an Individual HTML file) - Desktop/Laptop View



Decision making process for aesthetic:

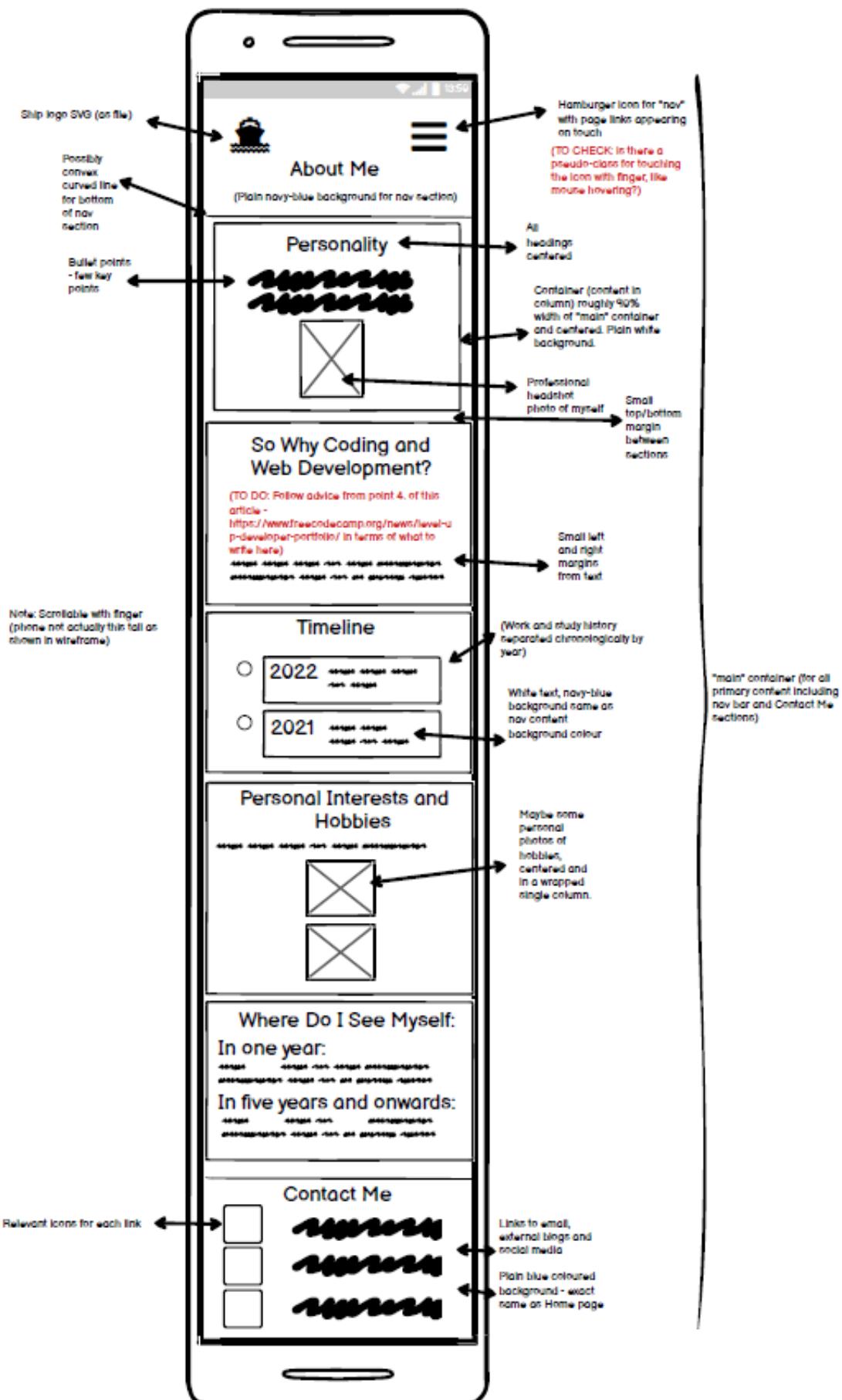
- With the popups, the primary content still fits in the center with a max width of 1280px, just like with every other page for consistency and to minimise any boring empty white-space.

- Why did you choose to build this project?
- What challenged you when making this project?
- What did you learn from making this project?
- What learnings have you taken with you into other projects?
- What would you do differently next time?
- Did you get stuck at any point? How did you get unstuck?
- What was your process for completing this project? Did you do wireframes, make a Trello board, or did you just get stuck into it?

Wireframes: About Me Page

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

About Me Page HTML - Mobile View (Android or Apple)



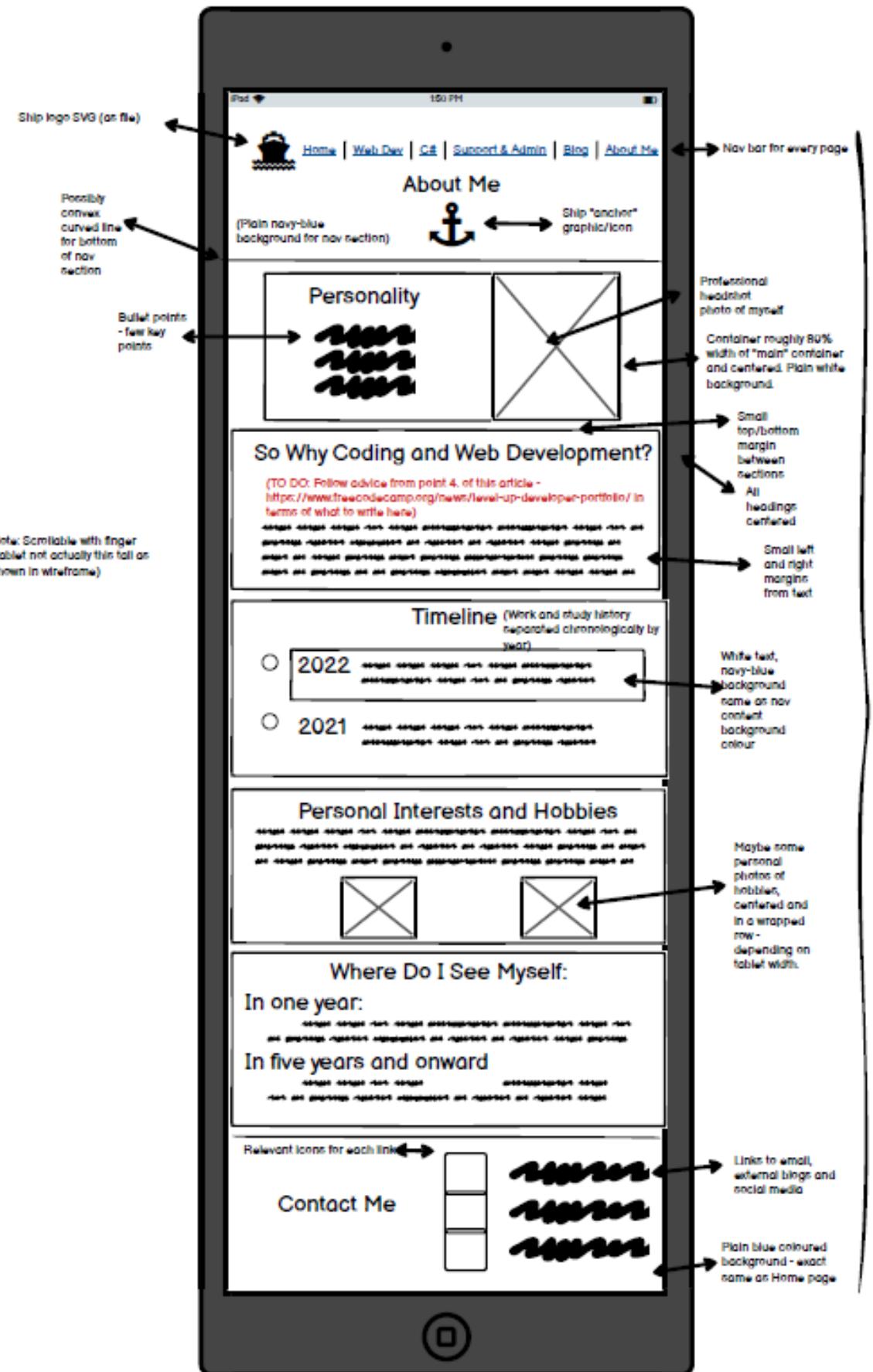
Decision making process for aesthetic:

- I wanted immediate user interest in reading about me when they open this page, so at the top as a predominant component, so at the top there are very short key points about my personality, and a professional headshot photo of myself.
- This page is purely about me, so I have all the following components as text and image sections displayed:
 - "So Why Coding and Web Development"
 - (use suggestions from this article - <https://www.freecodecamp.org/news/level-up-developer-portfolio/>)
 - "Timeline"
 - "Personal Interests and Hobbies"
 - "Where Do I See Myself"
 - "In one year"
 - "In five years and onwards"

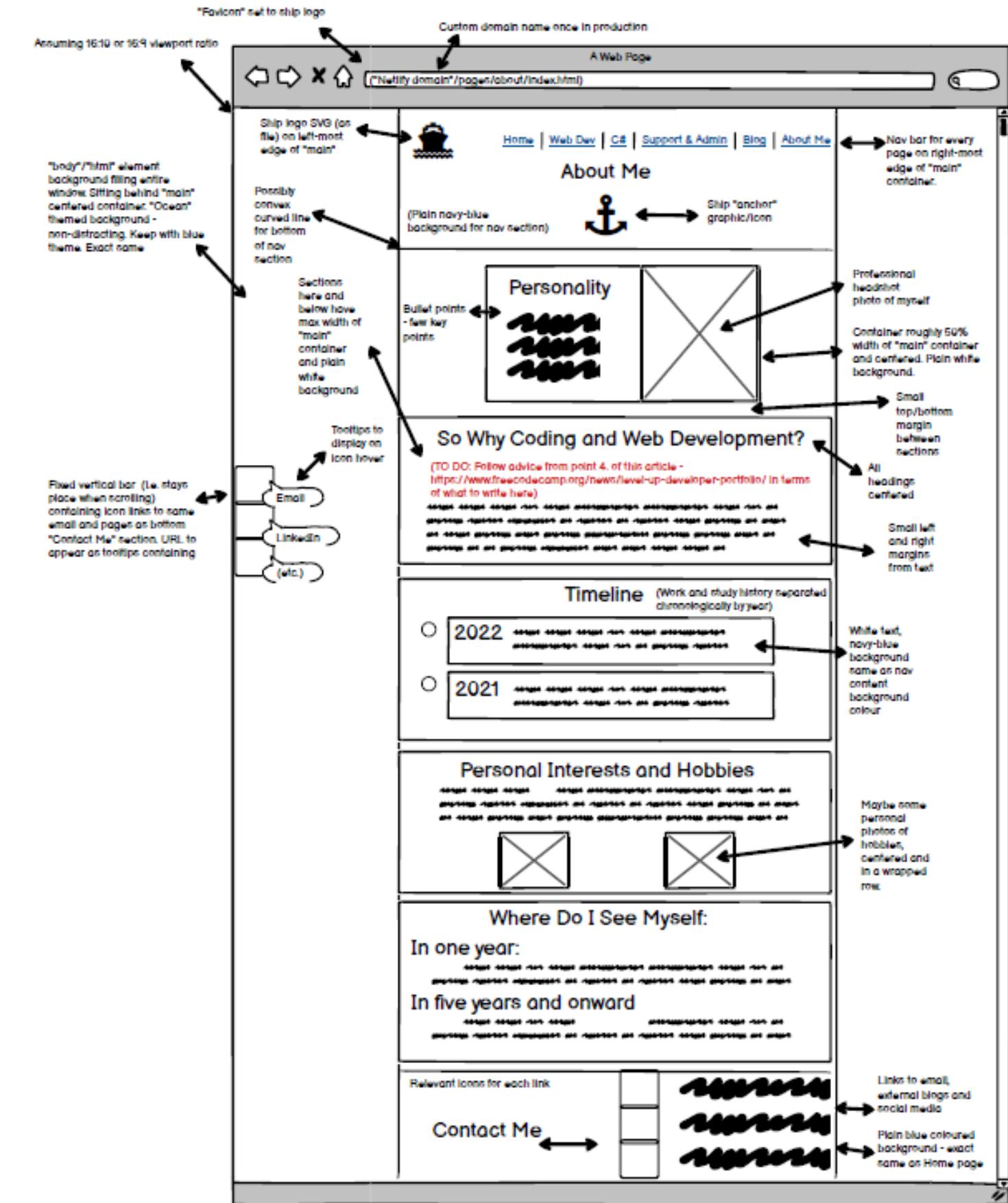
Wireframes: About Me Page

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

About Me Page HTML - Tablet View



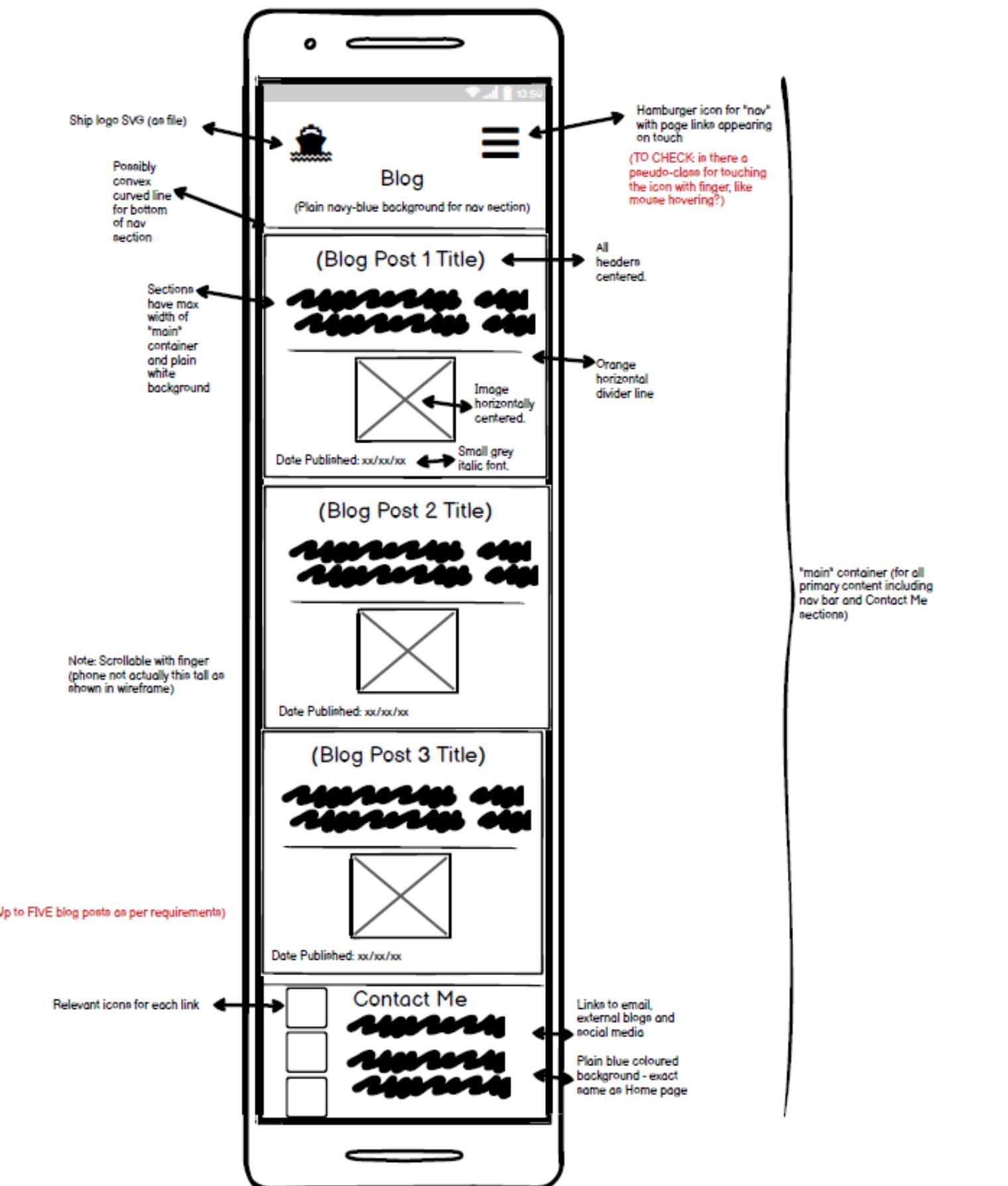
About Me Page HTML - Desktop/Laptop View



Wireframes: Blog Page

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

Blog Page HTML - Mobile View (Android or Apple)



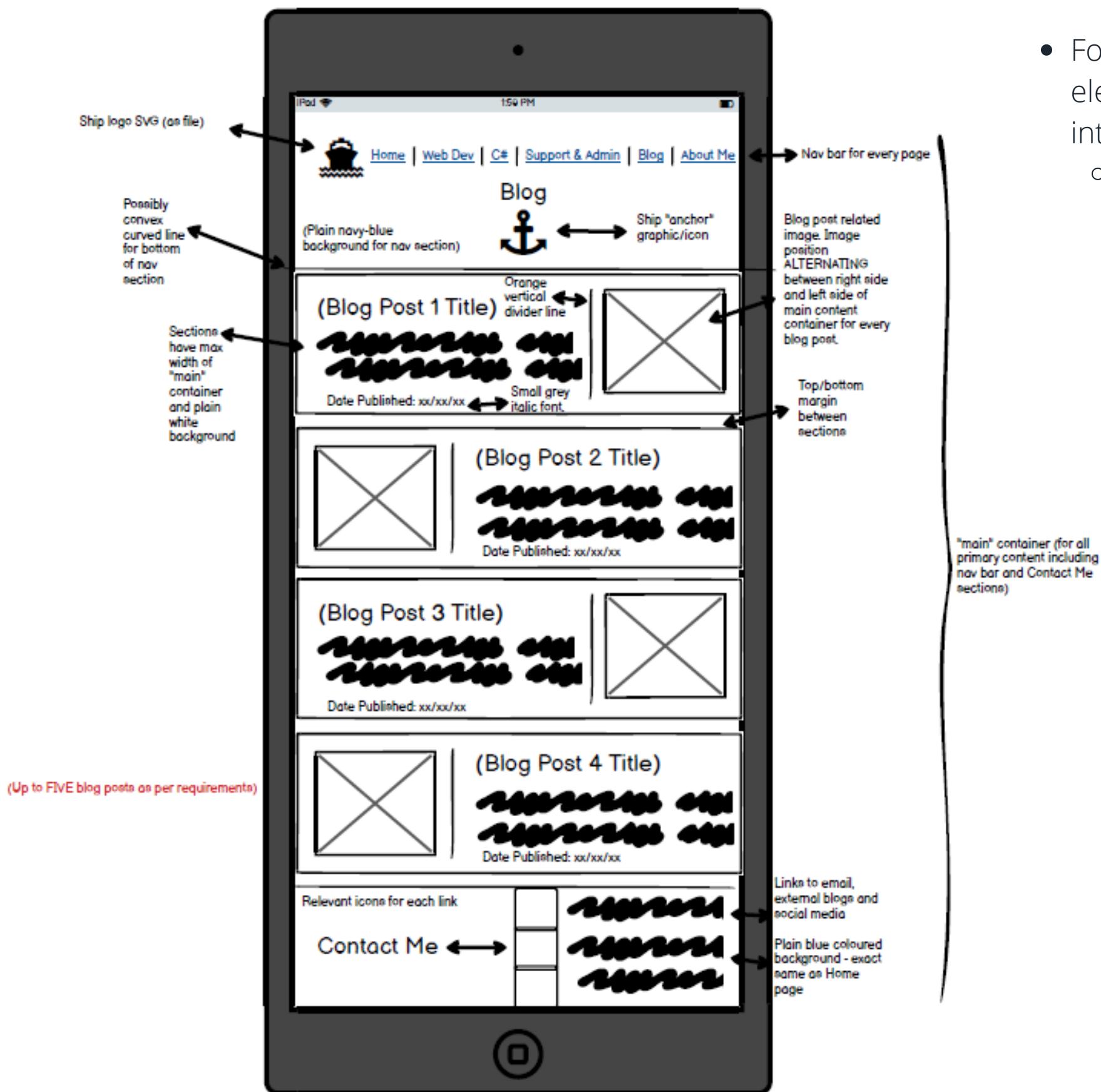
Decision making process for aesthetic:

- Because there are only FIVE blog posts, I think it was appropriate to display each blog post's entire contents on the one page that the user can scroll.
- In the future, if there are more blog posts, I would like them to be "collapsible" or perhaps categorised in other pages.
- An aesthetic small orange border line sits between the text and image for each blog post for clarity and ease of distinction and reading of elements.
- An appropriate top and bottom margin sits between each blog post container, again for ease of clarity.

Wireframes: Blog Page

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64QuI8ymBer/view>

Blog Page HTML - Tablet View



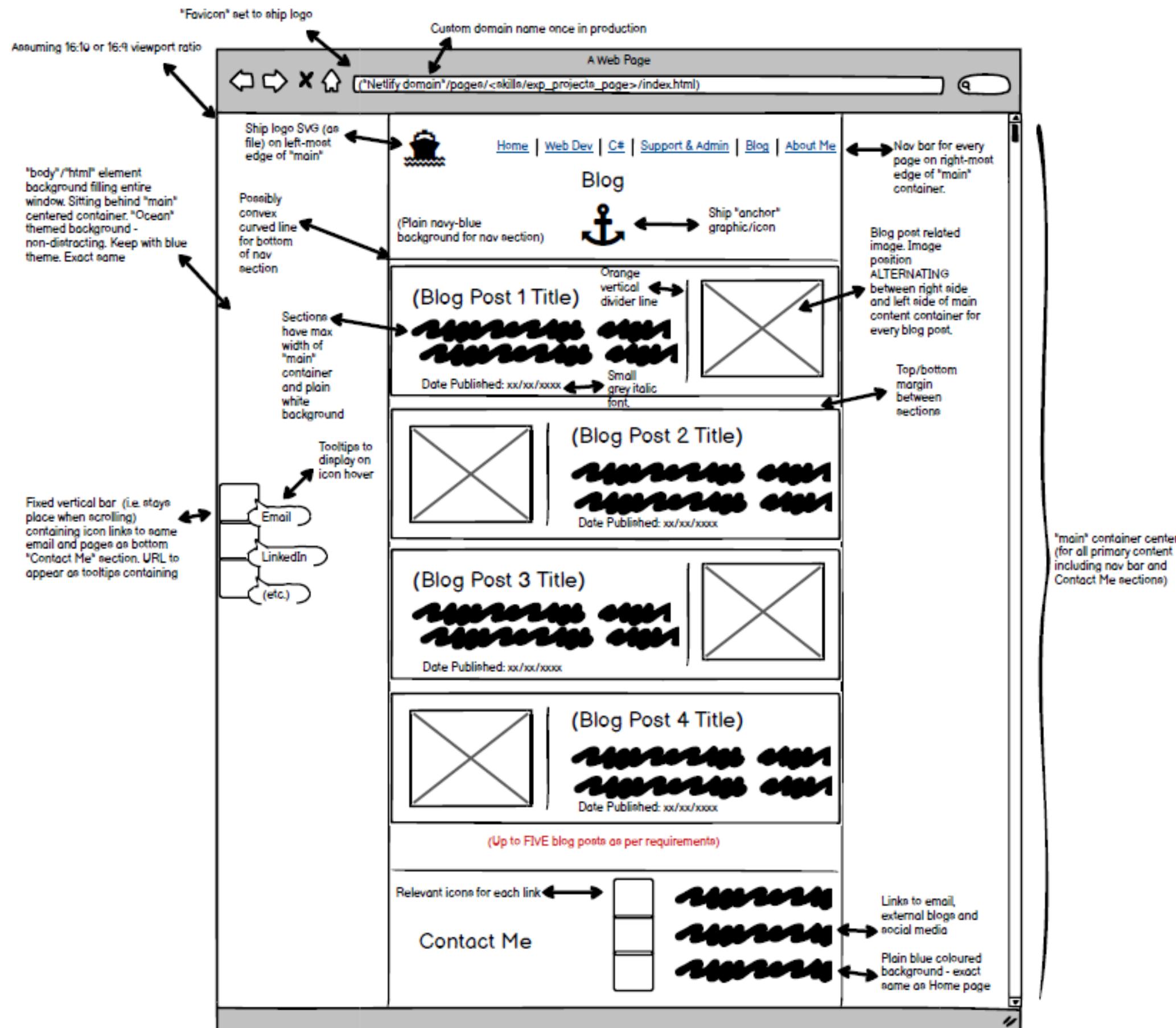
Decision making process for aesthetic:

- For both tablet and desktop browser views, with the larger screens, the elements: text, orange divider line, and image, for each blog post is arranged into rows to minimise empty white-space.
 - And to both keep things interesting for the user and to assist in ease of distinction between reading different blog posts, I've alternated the order of elements within every SECOND blog, as per shown on the wireframe.

Wireframes: Blog Page

<https://drive.google.com/file/d/1-sLPduZkXKTAW4shq77Jt64Qul8ymBer/view>

Blog Page - Desktop/Laptop View



Example of FOUR Components Used

And How They Engage the Audience



1. TOP NAVIGATION BAR:

- The ship logo (brand logo) on the left should attain and correlate identity of myself and a sense of my individualism with my portfolio to the user.
- For desktop browser views, there is a pleasing, transition-ease on mouse over on a nav link to an orange colour, as animations like that can correlate to fun for the user.
- For desktop browser views, the current active page is always marked as orange on the nav link so the user always knows where they're at on my website.



2. HOME PAGE "JUMBOTRON" EYE-CATCHER

- Again, ship logo is used here to promote identity.
- A blue "wave" animation should be very unique and further reinforce fun and interest to the user.
- A slightly transparent screenshot of some my HTML code in the background should remind the user that this is a portfolio about a web developer.



2. HOME PAGE AND PROJECT PAGE NAV "CARDS"

- For the home page cards in particular, accessibility is very important, so these cards give the user an alternative way to navigate around my website without using the top nav bar links.
- Clicking/touching anywhere on the card will redirect the user, not just the "GO" button, in case it's hard for the user to click on just the button.
- Same use of thematic colours promotes consistency for the user to minimise confusion.



3. ABOUT ME PAGE WORK/STUDY HISTORY TIMELINE

- Timeline is organised chronologically by year to minimise confusion.
- Same use of thematic colours promotes consistency for the user to minimise confusion.
- Aesthetic orange circle "bullet point" next to each timeline event for clarity and ease of distinction for the user.



Changes From My Self-Developed 2018 Portfolio Website

- Entire Blog Page created from scratch using HTML and CSS/SASS as per rubric requirements.
- "Hamburger" nav bar created with dropdown box for mobile views.
- This entire presentation/Slide Deck created from scratch.
- Non-mandatory Trello board created for my own planning and organisational purposes.
- Entirely "Mobile-First" design with only media breakpoints used in SASS files for tablet and desktop browser views.
 - Except for most non-vector images used as they are using full resolution scaled down by percentage for mobile devices.
- Strong use of SASS features, including nesting of selectors, and use of variables for common styling attributes in an independent SASS partial file.
- SASS/CSS split into multiple files and only those ones necessary for the particular HTML page or popup are imported into each HTML file.
- Use of non-mandatory JavaScript code (that I actually understand and wrote myself) with help from some references (see my comments in the repo .JS file) and a sample code piece that I heavily modified using my own knowledge (again, see comments in .JS file).
- Much more comprehensive text information in both the "About Me" page, and in each "Project Popup", following portfolio advice from here:
 - <https://www.freecodecamp.org/news/level-up-developer-portfolio/>
- Use of "Semantic" HTML elements.
- All pages based of a VS Code HTML5 Boilerplate template for the <head></head> section
- Much tidier use of Flexbox containers.
- Inclusion of "Resume" links in the "Contact Me" footers and the fixed side "Contact Me" nav bar (on desktop browser views).
- Tooltip popups on hover on the fixed side "Contact Me" nav bar icons (on desktop browser views).
- "alt" tags for all images used to assist with accessibility.



Review of My Dev/Build Process

1. CHALLENGES

- Nesting Flexbox Containers within other Flexbox containers - was very confusing at times for responsiveness and component alignments.
- Performance and data size of the website on mobile websites - unfortunately not the best currently with mostly full-resolution images used on mobile devices, just scaled down in the code.
- Whether or not I should use mouse hover effects on mobile and tablet touch-screen devices.
- Code conformance with W3C specifications.

1. ETHICAL ISSUES

- There should be no offensive religious or cultural connotations with the graphics and colours used.
- All images used are royalty-free, except for my ship logo graphic which I created myself.
- All code used is created by me from scratch.
 - Except for the inclusion of a third-party CSS reset/normalisation file to increase cross-browser compatibility
- If I soughted extensive help from someone else's source code on the internet, I made reference to it in my codes' comments.

1. FAVOURITE PARTS

- Doing CSS animations.
- I know it wasn't required for the assessment, but also locating and manipulating elements and their styling using JavaScript.



Live Netlify Link and Any Q/A

<https://chullman.netlify.app/>

