- **General ethos**

My website will be created only for the assignment purpose and I am not going to put it onto the public server. My main goal is to put all I have learned to this point into the planning document and eventually learn something new from the implementation. However, I want to show the final result to my family and friends so they are the target audience. The website will be rather colourful than formal one. I want to mainly focus on a data about myself and explain what my programme of study is about in the understandable way for the target audience. That is why I will not mention too much details about my degree to make my website more welcoming than boring. Some of the elements were inspired by Dr Steve Maddock's website (staffwww.dcs.shef.ac.uk/people/S.Maddock).
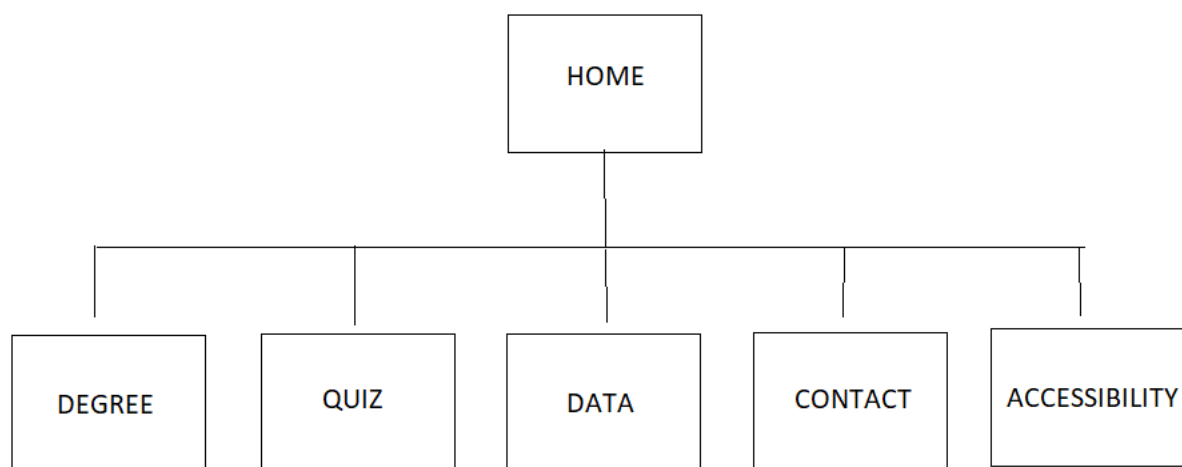
- **Site Map**

Figure 1 - The Site Map

The website will be made of six pages. For that small number of pages, the clearest way is to create shallow structure of the site map. It will avoid confusion and allow user to access any page from any other one.

- **Accessibility**

All the colours that will appear on my website will be distinguishable from each other by the people with different types of colour blindness, especially I am going to ensure that graphical representation of the data drawn on the canvas is readable.
https://venngage.com/blog/color-blind-friendly-palette/

I will use technologies like media queries, viewport and flexbox in my website.
https://developer.mozilla.org/en-US/docs/Mozilla/Mobile/Viewport_meta_tag
https://developer.mozilla.org/en-US/docs/Web/CSS/Media_Queries
https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Flexbox

I will ensure that resizing in enabled in viewport.

https://developer.mozilla.org/en-US/docs/Learn/Accessibility/Mobile

All photos in my website will have alt property for screen readers
https://developer.mozilla.org/en-US/docs/Learn/Accessibility/Mobile
https://www.w3.org/WAI/fundamentals/accessibility-principles/

- **Legal Issues**

  I reserve all rights to my website as well as to all my photos which it contains.

  Some images will be downloaded from pixabay.com and unsplash.com websites which licenses allow me to use them for commercial or non-commercial use.

  Reference: https://www.gov.uk/copyright

- **Design Mock-ups**
  I will use two different CSS files, one for mobile (minimum screen width: 280px) and one for desktop screen (minimum screen width: 1000x). There will be also maximum screen width of 1600px.
    - o Home page

NAME

Degree   Quiz   Data   Contact

Profile image

Hobby image

Accessibility

Copyright

Figure 2 - Home page on mobile screen

The main page consists of two images of the same size and some text. Navigation and footer parts are the same for all mobile pages so I will not show them in the next mock-ups.

NAME	DEGREE	QUIZ	DATA	CONTACT

PROFILE IMAGE

HOBBY IMAGE

ACCESSIBILITY

COPYRIGHT

Figure 3 - Home page on desktop screen

Images are laid out at the two different sides of the page because I think it will make the page look more symmetric and avoid creating a huge block of text. The second image is smaller to emphasize that is less important than the first in the presentation. The second image will show my hobby.
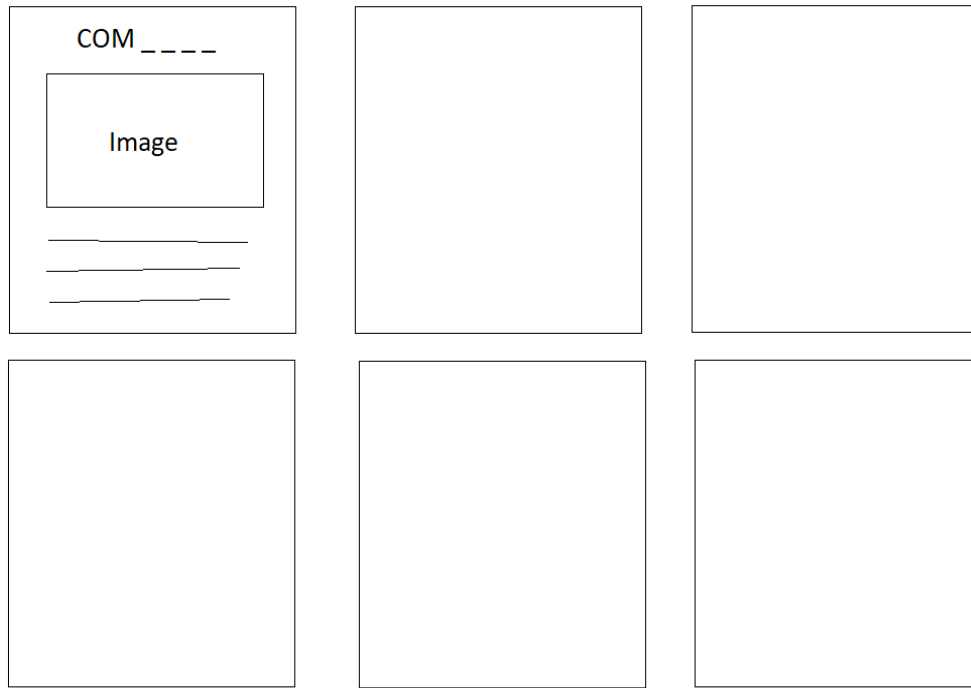
o Degree page

Figure 4 - Degree page on desktop screen

Displaying information in 6 blocks will be the best option to have quite big images and not a lot of empty space. Flexbox will be the best option here to control them.

References:
https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Flexible_Box_Layout/Basic_Concepts_of_Flexbox
https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Grid_Layout/Relationship_of_Grid_Layout
https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Flexbox

I will use here my own general description, descriptions from university website (include source) and images from open-source websites. I the description above the modules I will include links to the course and department websites.

Mobile version looks pretty similar to what was before. All those modules blocks are just in one column.
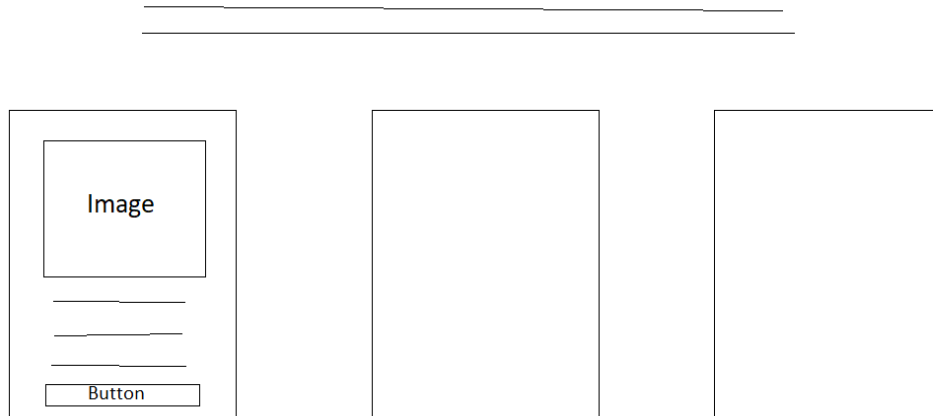
o Quiz page

Quiz

Figure 5 - Quiz page on desktop screen

Quiz page consists of 3 blocks. Each of them includes an image, three possible answers and 'reveal answer' button. I will include here images and questions related to my hobby. Here also flexbox will be used.

Mobile version looks like the one before. Three blocks will be aligned in a column.

Reveal buttons will be controlled by JavaScript code in quiz.js file.

After reading the requirements once again just before the deadline I have noticed that I made a mistake in the planning process and I chose wrong topic of the quiz because it is not related to the university or degree. I am going to leave it like it is now because I definitely do not have enough time to find right photos, compress them, add more questions and test everything. I just want to state here that I am aware of the wrong topic and I hope I will still get some marks for how the quiz looks and works.

o   Data page

Data

	Days of the week (shortened)	
Three social media platforms		Number of minutes

Data visualisation (canvas)

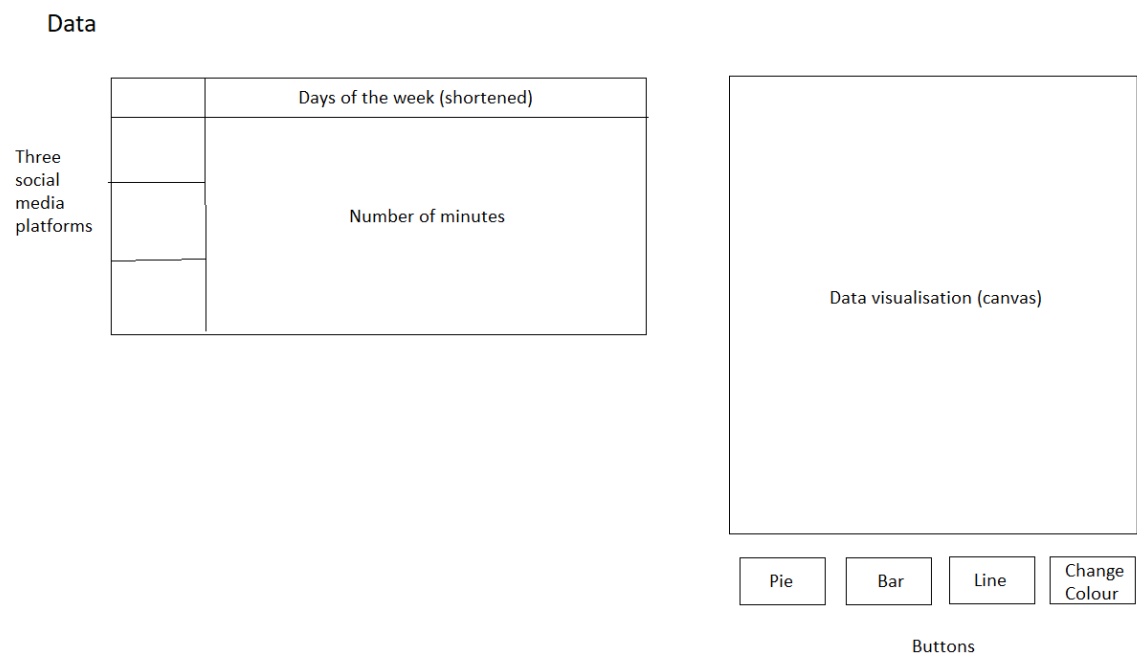| Pie	Bar	Line	Change Colour

Buttons

Figure 6 Data page on desktop screen

The page consists of a table with data about the time of my activity on three different social apps and the graphic visualisation of the data.
Mobile version similarly to previous version is a column of those two blocks and the table is at the top.

o Contact page

Contact

Email: [_____]

Comments:
[   ]

[Submit]

Figure 7 - Contact page on desktop screen

The page consists of block of personal details and a form. They are aligned in a column because it will make use of the space and make it easier for the user two write their comments.
On mobile they look exactly the same but the form is tighter.
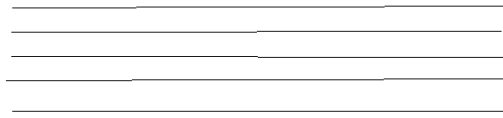
o Accessibility page

Accessibility

Figure 8 - Accessibility page on desktop

• **Menu System**

Desktop version

| NAME | DEGREE | QUIZ | DATA | CONTACT |

Mobile version

NAME

| DEGREE | QUIZ | DATA | CONTACT |

Figure 9 - Menu Systems for desktop and mobile screens

The mobile version was inspired by the navigation used in Dr Steve Maddock's website mentioned before. The mobile version will have two rows to reduce number of buttons in one row and eventually make them bigger and more accessible. Buttons will be controlled by justify-content accordingly to screen size. My name will be some sort of identifier of the website on every page.

https://developer.mozilla.org/en-US/docs/Learn/Accessibility/Mobile
https://developer.mozilla.org/en-US/docs/Web/CSS/justify-content

- **Canvas and JavaScript**

  I will make the width and height of the canvas big enough to avoid problem with seeing single pixels on the desktop. On the mobile version it will have big enough buttons to make use of the canvas easier and more comfortable. It will visualise time of my activity of three different social apps from my phone data. The maximum value will be 2 hours because I did not exceed this time in the recent week (9/11/2020 – 15/11/2020). My additional visualization will be a line graph. Layout of buttons and canvas is in the Figure 6. Canvas drawing will be controlled by JavaScript code in canvas.js file.