Task 1

Web server

Web servers are systems thats purpose is to store, process and deliver web pages to users through the internet. It receives the request for a website and sends the correct content back to the users browser.

The mcast website is hosted by a server that takes care of all requests from users, when you type in www.mcast.edu.mt into the browser, the server will send back the web page that the user wants.

Web hosting

Web hosting is a service that lets organizations or people publish a website to the internet, web hosting gives the services needed for the website to be accessible online.

For classter, mcast uses Microsoft Azure to host the platform, this hosting setup makes sure that students, staff can access the website 24/7 to get information and use the services.

IP Address

An IP Address stands for Internet Protocol Address, its a unique sequence of numbers thats given to each device or server on the internet. This is whats in charge is sending the correct information to the correct device and vice versa.

When a user enters the mcast website into their browser, the Domain Name System (DNS) sends the correct webpage to the correct users IP Address.

Domain Name

A domain name is an address that is readable to humans that is used to identify a website like mcast.edu.mt. It acts as a user friendly replacement for the IP Address of a web server.

Mcast.edu.mt is the official domain name of the MCAST college website. It is what users type into their browsers to visit the website. The domain reflects the institutions identity. .edu.mt implies that it is for an educational institute in Malta.

DNS (Domain Name System)

DNS is what translates a domain name like mcast.edu.mt, into IP Addresses so that browsers can load websites.

When someone types in www.mcast.edu.mt into a browser, a DNS lookup happens to find the IP Address that matches the MCAST web server. Without this, users will have to remember whole IP addresses instead of simple names

HTTP/HTTPS Protocol

This is the base of data communication on the web. HTTPS is just the secure version of HTTP, which encrypts the data between the user and the website.

The MCAST website uses HTTPS, this can be seen in the beginning of the URL as https://www.mcast.edu.mt, this makes sure that the data like the users login details and personal information is encrypted and securely sent between the user and the website.

SSL/TLS certificate

An SSL or TLS certificate is a digital certificate that verifies a website and allows secure, encrypted connections over HTTPS

In the MCAST website, the fact that there is a padlock symbol and the HTTPS is what shows us that an SSL/TLS certificate is being used. This helps users data be protected and makes sure that they are connecting to the real MCAST website and not something that looks like it but isn't.

Task 2

User persona:

When creating this user persona on Figma, I took my results from my google forms survey to be used in the goals. In the form, I asked the people taking the survey what flaws they saw when using the MCAST website. I also asked what they would like to see if the website were to be recreated. I used this feedback to create a believable user persona; I also used this feedback to keep in mind what I should add when I get to coding the website. When I created the user persona I also wanted to keep a cool colour scheme so it will relate more with the colour scheme I will use for the style guide and website.

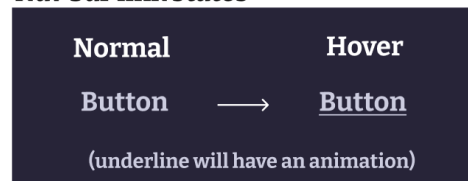LoFi wireframes of all webpages to be used on the website

Style Guide

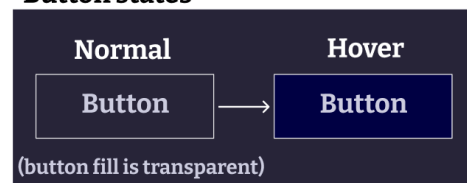**Icons - will be set to the colour #000043 in final website**

#000043	#CCCCDF	#BBBBE9	#D4D4E9

'Bitter'
Header - 62px, 36px, 26px, 16px, 20px
Paragraph - 14px

Nav bar link states

Normal		Hover
Button	⟶	Button

(underline will have an animation)

Button states

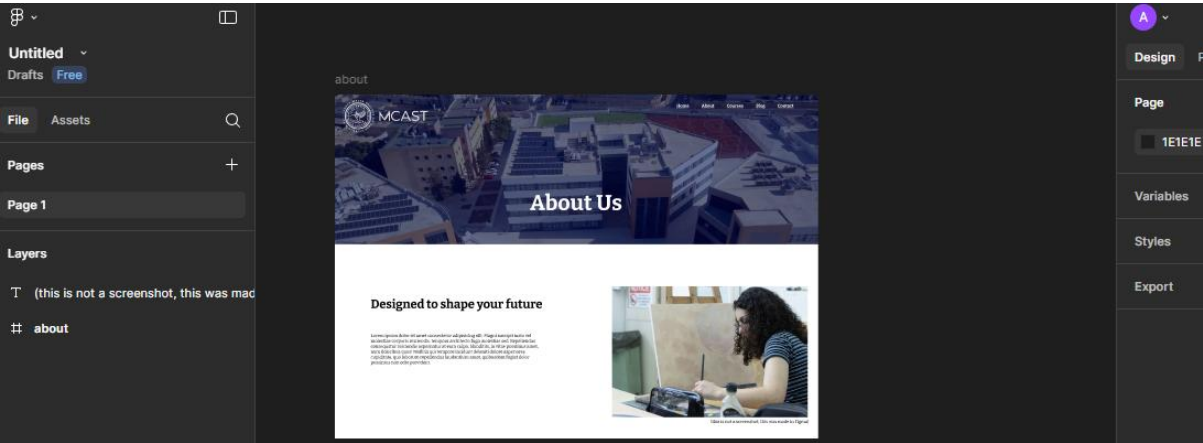| Normal		Hover
Button	⟶	Button

(button fill is transparent)

HiFi wireframe of the about us page (made in Figma)
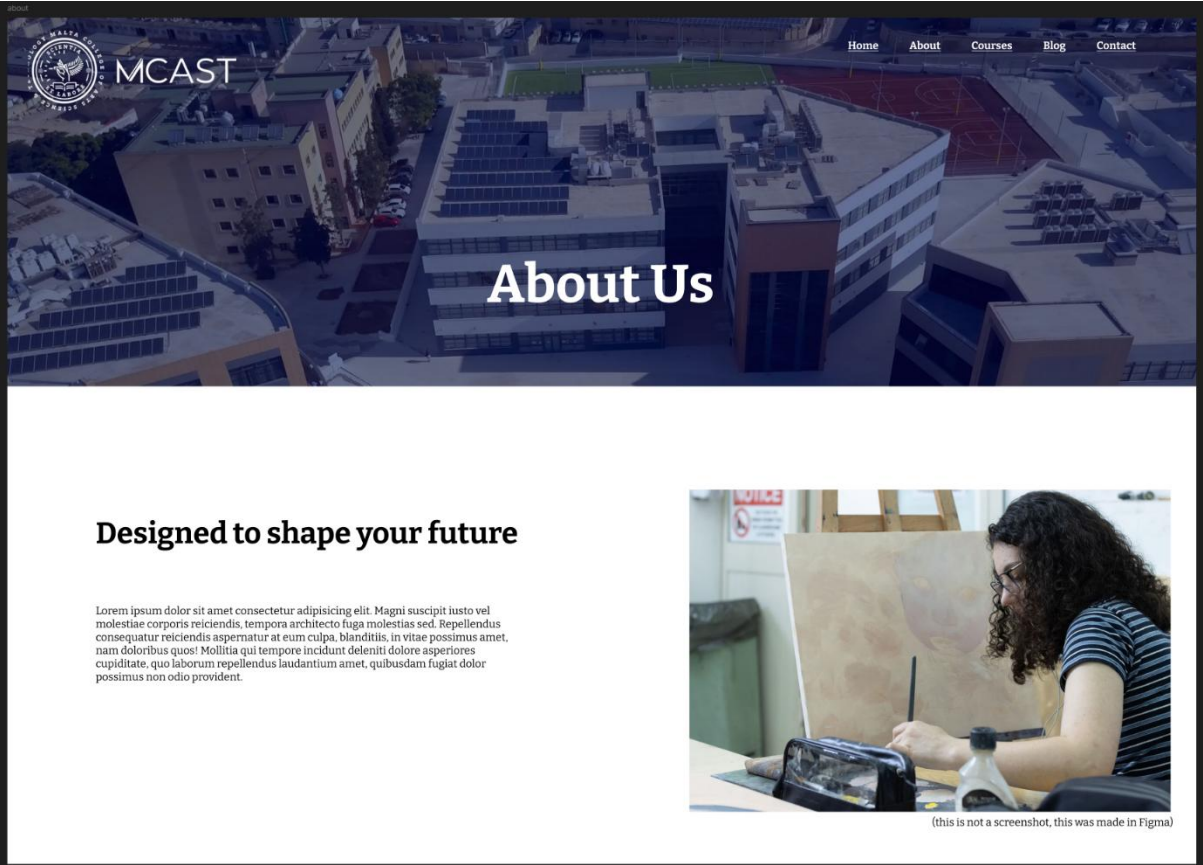
(proof its not a screenshot and was made in figma)

Task 4

Evaluation

When redesigning the MCAST website, I first focused on taking note of things I didn't like personally about the mcast website alongside results I got from the google forms survey, I noted that the website feels crowded and can feel overwhelming to those who are visiting the website for the first time.

I aimed to keep the original colour scheme of the website as per requests from the surveyors, students tend to associate the colours I used, with the MCAST college. So, I saw that the colour scheme was very important in making it look like a mcast website. I believe that the design and UI of a website is very important to keep user interaction at a high.

The website I created as a redesign feels less crowded and less overwhelming to look at. When opening the website, you are met with a fully responsive home page with the nav bar and logo at the top. I used a tint on all the main images on each web page to make it match the rest of the website assets more and so it would look like it matched with all the other parts of the website.

If I were to go back and change some things, i would try to implement a Subject line into the mailto: code that will add the wanted subject into the subject line of the users' mail client automatically, which I tried to do but wasn't working as I wanted it to. I would also add more web pages for each of the college campuses I showed on the website, with information and relevant course information for each campus.

Overall, I am incredibly proud of this website, if I were to go back, I will add more and make it look nicer to look at as a website.

The only thing I liked was the orginal colour palette.
But layout and ui must have a rework around, especially the ui with so much text I became overwhelmed, so with a less ui lost it with help.

The inconsistent of a layout that changes each pages makes it difficult to remember the layout aswell, so a consistent layout is highly needed.

I would reduce the amount of list of ui that pops up when hovered on

I would give the site more vibrant and connected colours to help students navigate easier

Definitely a layout change to make it more cleaner