Task 3 – Technical Document

1. Tested Processes

Tested process: User – contact form submission

1. Tested action	Functionality of submit button
2. GitHub Commit ID	2aa11dd
3. Expected Output	Opens default email application
4. Actual Output	Opens default email application
5. Pass/Fail	Pass
6. Notes	Resolved repetitive issue from the development stage

Tested process: User – Media functionality

1. Tested action	Click on link to retrieve media
2. GitHub Commit ID	9ae6495
3. Expected Output	Links retrieve correct media files on server or elsewhere
4. Actual Output	Correct media files on server retrieved
5. Pass/Fail	Pass
6. Notes	Media files stored in 'Assets' folder

Tested process: User – Links to pages within site

1. Tested action	Click on links to pages
2. GitHub Commit ID	fbdb455
3. Expected Output	Links direct to relevant pages
4. Actual Output	Relevant pages within site loaded correctly
5. Pass/Fail	Pass
6. Notes	Tested for all pages (Home – Contact Me)

Tested process: User – Links to external pages

1. Tested action	Click on external links
2. GitHub Commit ID	84318cc
3. Expected Output	Display and load destination page correctly
4. Actual Output	Destination pages loaded correctly
5. Pass/Fail	Pass
6. Notes	Collective test for all external links – e.g. Social Media

Malcolm Caruana-Dingli
ICA-PFA-5.2

Tested process: User – Reset contact form

| 1.	Tested action	Reset contact form
2.	GitHub Commit ID	81ca135
3.	Expected Output	All fields in the form cleared
4.	Actual Output	All fields in the form cleared
5.	Pass/Fail	Pass
6.	Notes	Same repetitive issue from development resolved as with the submit button

2. Validation of code

This validation process was conducted to ensure that the code generated for the website met the requirements and also to ensure an optimal performance.

The tools used for this process were the W3 Validator for HTML and W3 Jigsaw for CSS. These tools were web-based code validation platforms.

The validation procedure began as soon as the code for every page was completed. The code was then inputted into the W3 Validator for HTML. A validation was then run so that errors or warnings could then be identified and reported.

The output generated by the validator was then reviewed and error messages were resolved. Such error messages included unclosed elements, bad values and stray end tags. These errors were resolved one-by-one and the relevant changes to the code were made. The validation process was repeated to improve the quality and reliability of the website.
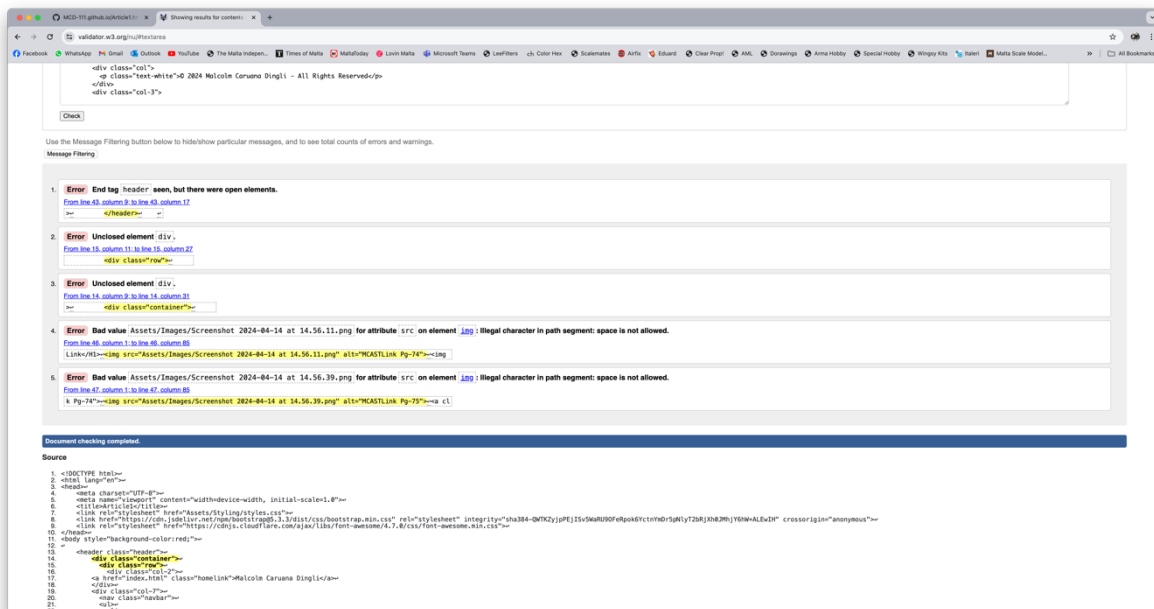
This process was carried out numerous times for every page until there were no issues reported by the validator. At the end of this process, the code was completely tested and validated to ensure compliance with requirements and the successful launch of the site.
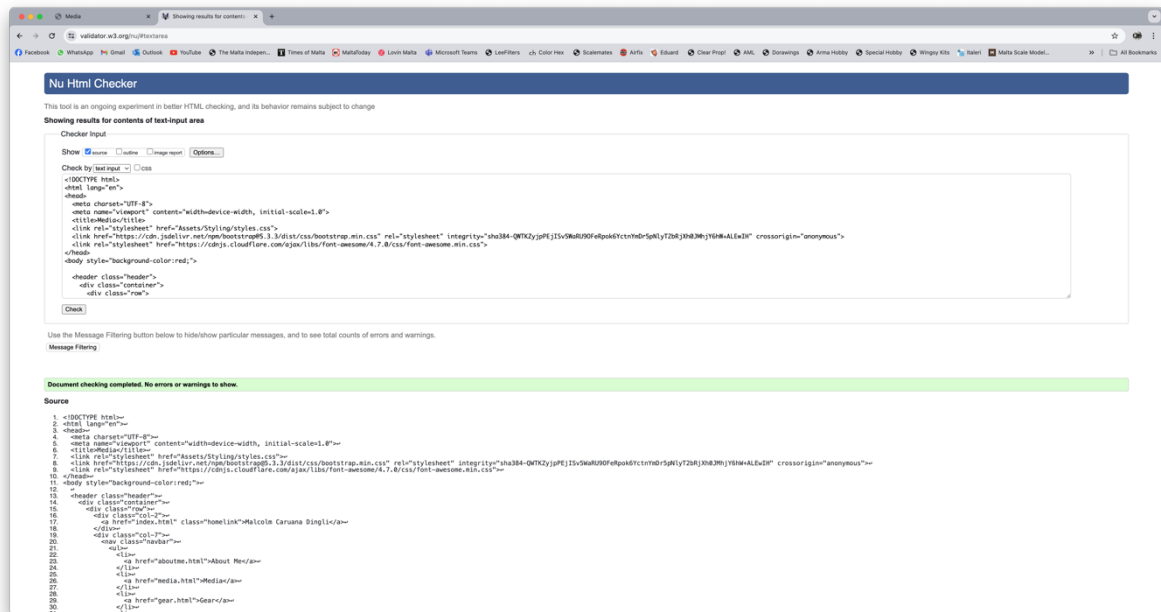
Malcolm Caruana-Dingli

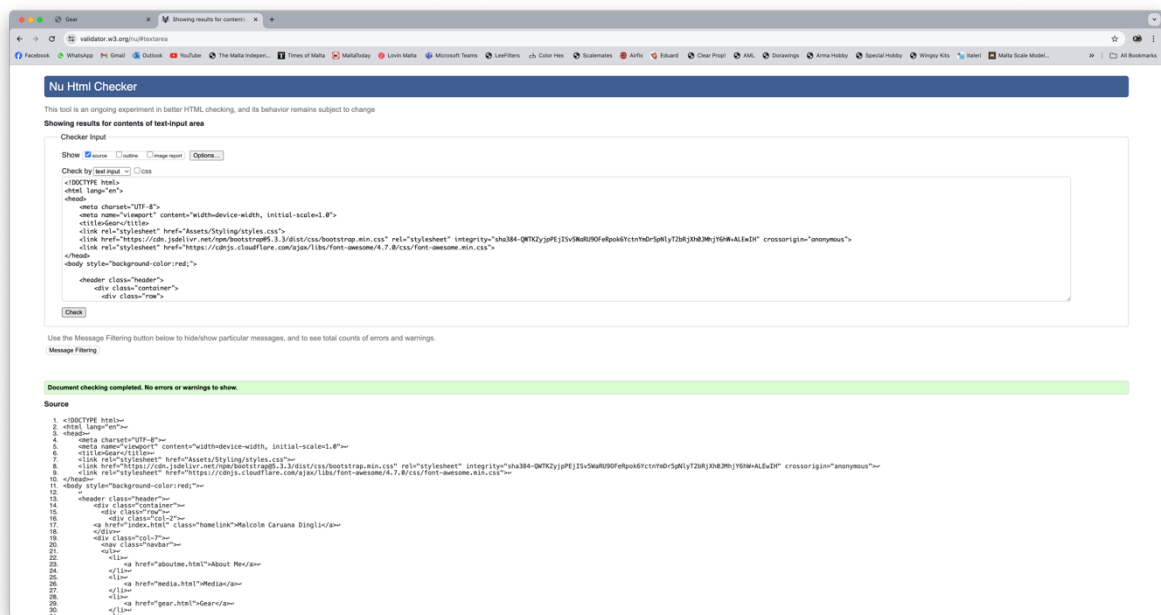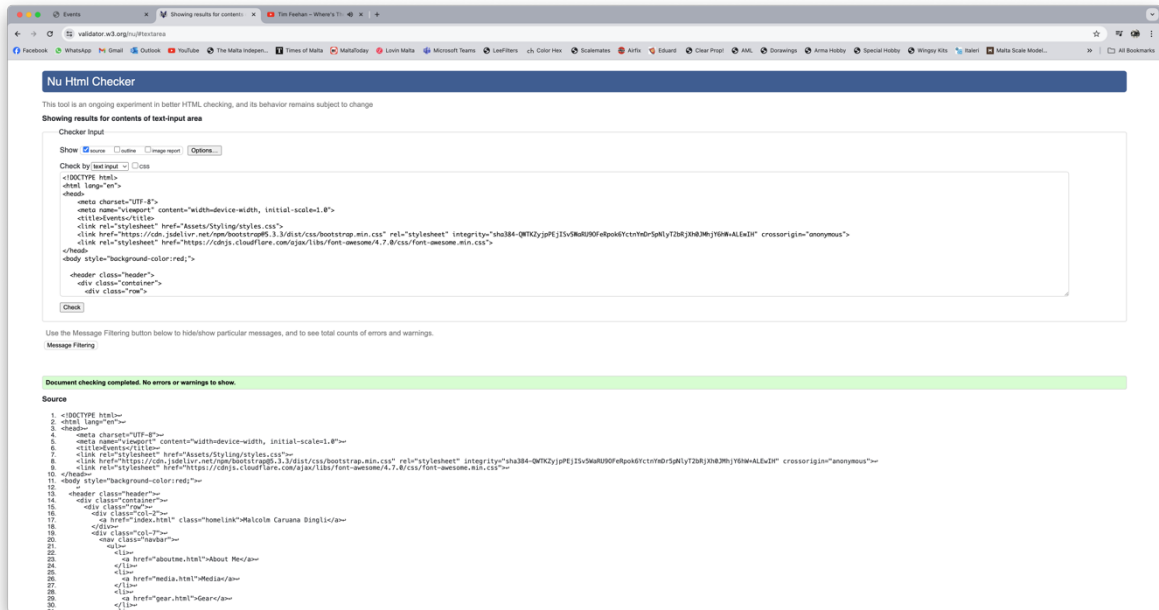ICA-PFA-5.2

Validated Codes for pages

Home page

About Me
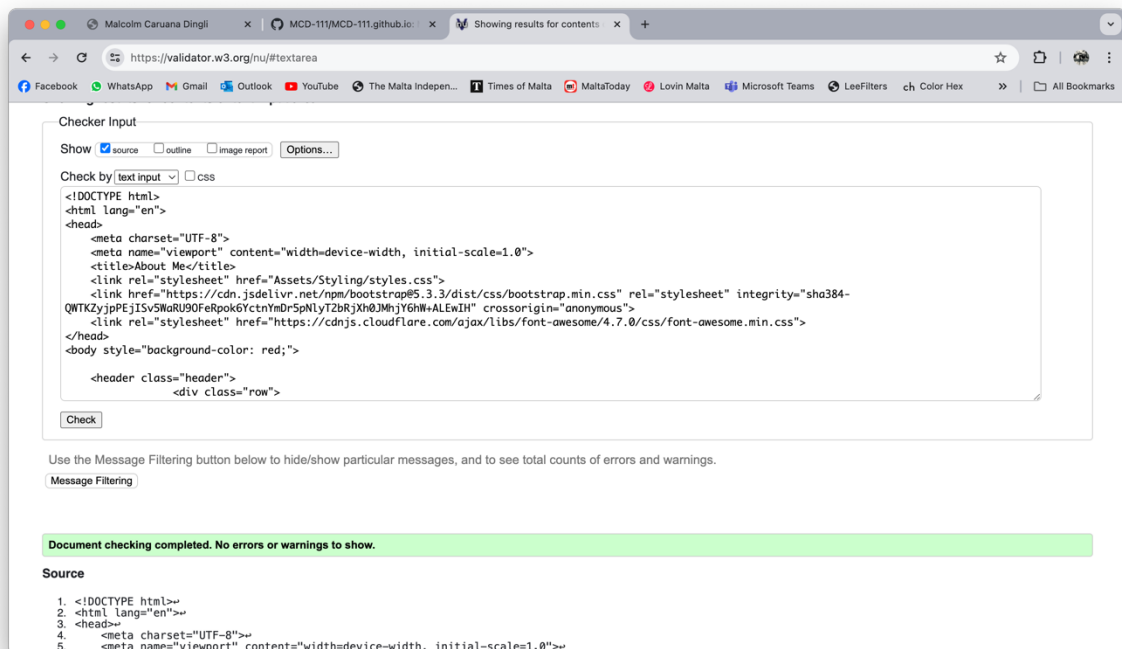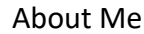
Malcolm Caruana-Dingli
ICA-PFA-5.2

Media

Gear

Malcolm Caruana-Dingli
ICA-PFA-5.2

Events

Contact Me
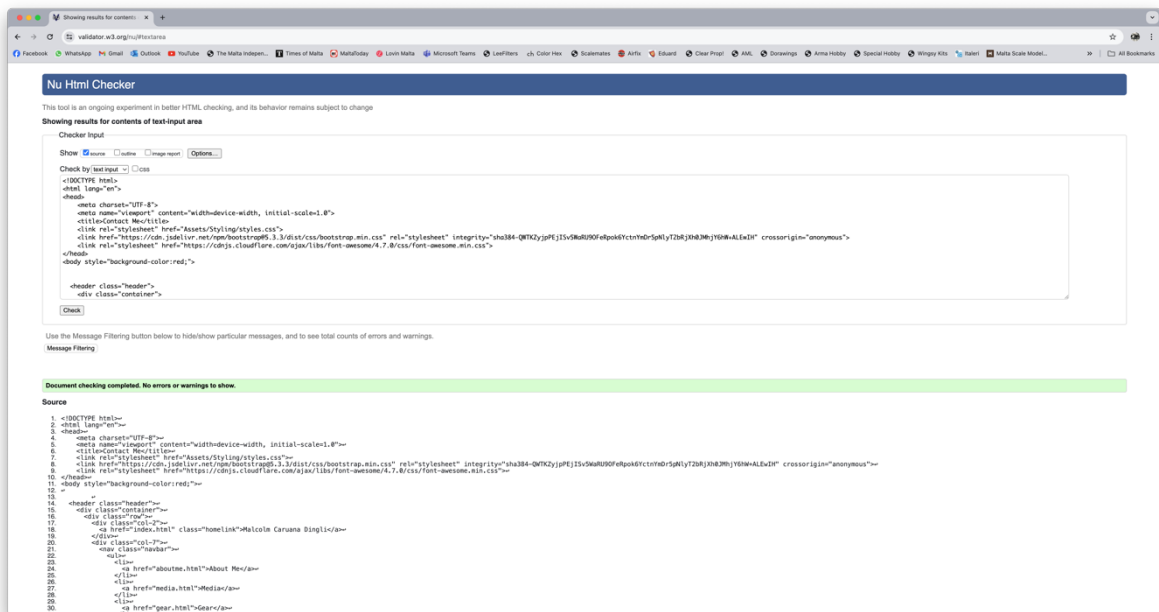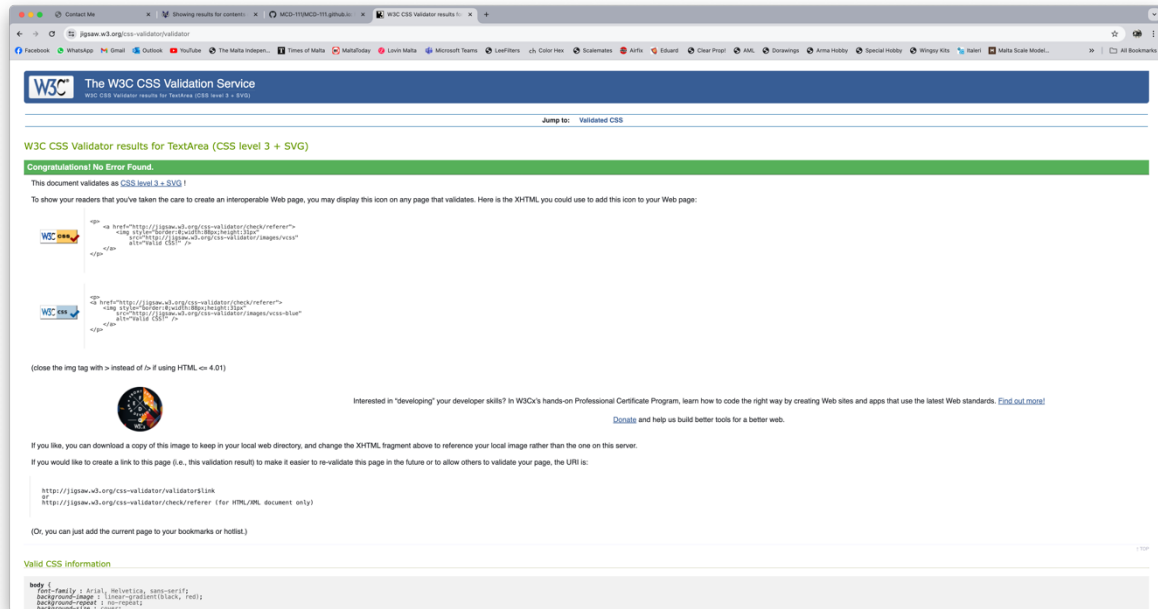
Malcolm Caruana-Dingli
ICA-PFA-5.2

CSS Code Validation

A CSS code validation was carried out to ensure the quality and performance of the web pages to improve the user experience.

3. Issues with the site and recommended improvements

One issue which this website may have is that the content may become quickly outdated, especially since a number of events are promoted which take place on a specific date. Once that date has passed, the information on the website becomes outdated and this will impact the credibility of the website among the visitors. Images too may become outdated. This fact may also put visitors off returning to the site if the information is outdated. For this reason, older content needs to be moved to separate pages within the Media or Events pages so that an archive may be built to include all past content. Regularly updating the website with fresh content will ensure that it remains engaging for all visitors.

Another issue regarding my website is that it may be vulnerable to security threats. As a further improvement, the website needs to have a regularly-updated code which conforms to appropriate security standards, as well as regular scans for vulnerability need to be conducted so that risks may be averted.

Low-quality images need to be avoided to ensure an improved visual design and a better User Experience. For the future, rather than using already available photos, it would be beneficial to use photos specifically taken for use on the site. The website was designed to avoid clutter and allow the user to focus on the main message being presented on each page. This aspect of the design needs to be maintained so that the information presented is not confusing to the visitors.

In the homepage, it would be ideal to have an automated carousel, rather than a manually-operated one. This is because not all website visitors would interest themselves enough to scroll through the different photos. Furthermore, the two images at the bottom of the homepage, would need to be resized and aligned to improve the aesthetic experience of the page.

In the Media page, the images my need to be smaller so that more articles can be visible to the visitor as soon as the page loads and not rely on the user having to stay scrolling through the page to reach the article of their choice. The risk here is that the user may not scroll through the page and become rapidly disinterested and consequently leave the site.

The page where the gear is presented could be improved by the addition of a video clip showcasing the potential of the musical instruments described on this page. This would engage the audience further and decrease the bounce rate.

As a further improvement to the website, additional links may be added particularly to the Events page so that the user can be transferred to the site selling tickets to the different events promoted on the site. This can be done to increase interest in the events and encourage the user to commit their attendance by buying the relevant ticket.

Another improvement could be the addition of social buttons near the events and media articles posted on the website. This would allow visitors to instantly share this content on their personal social media accounts, thus increasing visibility and exposure for the artist, as well as enticing new visitors to visit the website.