

Criterion B: Analysis

Proposed solution:

- A website
- Making videos on YouTube
- Advertisement on social media platforms

The client and I decided on creating a website.

Requirement specification

IT system requirements

- Hardware
 - MacBook Air, 1,3 GHz Intel Core i5, 4 GB 1600 MHz DDR3
- Software- Adobe Photoshop 2018, Google Chrome, Dreamweaver 2020, Adobe Illustrator 2020

System interaction

- Make sure that the website is going to run in different browsers
- Compatibility of the software applications above to the hardware devices used
- Compatibility of the content given by the Client to my hardware devices and the applications
- Ensure that the website is hosted by an ISP properly

Input/output requirements

Input requirements

- Images (jpeg format) of the client's products
- Text and information from the client
- Videos (mp4 format) from the client

Output requirements

- A sticky navigation
- Social media logos/ Icons of for the website
- Edited images to fit into the website aesthetically
- Webpages with consistent and organized layouts
- 5 different main webpages
- Images and videos which load quickly
- Image gallery where images load in a lightbox when clicked
- Video gallery where video comes up in a big screen when clicked
- People to send messages directly to the client by submitting a form

Processing

- Make logos as wished by Client in Adobe Illustrator
- Place the content made into the website
- Link images and videos into the webpages
- Use CSS to design the overall look of the website
- Resizing or compressing content for them to load faster in the website
- Use JavaScript for sticky navigation, lightbox feature, video gallery and vertical tabs

Security

- Make a backup of the files which make up the website
- Ensure that webhosting services that ISP provides is reliable to prevent unauthorized access

Specific performance criteria

- a) Images and videos load well and properly
- b) All information requested is displayed on the website
- c) Layout of the website is readable and organized to visitors
- d) Image and video gallery functions properly
- e) The website is easy to navigate through

Justification of chosen solution

Feny and I feel like creating a website is the most effective in fulfilling her goal. A website allows her to put as many information as she'd like and as well as customized to fit her style. A website allows to have multiple type of content able to display it. Websites also allow content to show up on the website itself. For example, a YouTube video can be watched in a different website.

Additionally, as the client wishes to have her different ranges of artwork in one platform, a website offers that feature. Towards a site visitor the content should look well organized and not jumbled up with the availability of webpages. They can also communicate with the Client there through email which is less messy than private messages in other platforms. When looking at a website, there is more incentive to look through rather than a post on a social media platform as it offers more functionalities. It can link other platforms that she uses.

Moreover, it is less costly as well because the hardware devices and software applications are already being used and accessed besides making this project. Also, it is definitely cheaper than paying other companies to host the site.

Images especially don't show up as the same quality when uploaded in the platform she is using now (Instagram). Uploading or showing higher quality images are really crucial especially towards displaying digital artworks which is one of the things she wants to show on the site.

I am already familiar with Dreamweaver. The Client has Google Chrome and an Internet connection so, they can definitely have access to the product.

Word Count: 273