1.6 I can describe how the purpose and outcomes have been met by the chosen IT systems and software applications.

Below is a table on the difficulty of each photo editing application

|  |  |  |  |
| --- | --- | --- | --- |
| **Application** | **Difficulty** | **Features** | **Reason** |
| **Gimp** | 4 | A lot of photo editing features like layering and manipulation. | Free but really hard to figure out, heavy software. |
| **Paint** | 1 | Drawing and filling with colour combined with text and shapes. | Installed on all windows computers, easy to use and can do a lot more it used to be able to do. |
| **Inkscape** | 3 | Photo editing and layers, manipulation and drawing. | Free but complicated UI and tools. |
| **Photoshop** | 2 | Manipulation, layers, editing photos, text creation and other editing tools like shadows and pasteurising. | Expensive and hard to learn. A lot of features that can be confusing. |
| **Cyberlink Photo Director** | 5 | Photo editing and resizing, other tools like layers and plug-ins on board | Expensive and difficult to learn UI. Slow start-ups. |

I picked Paint to use because it was already on my computer and it did the job, I also didn’t need any of the fancy tools that Photoshop and other applications offered. I did use GIMP for touching up a few pre-made buttons just so that they would look better.

Below is a table on the difficulty of each audio editing applications

|  |  |  |  |
| --- | --- | --- | --- |
| **Application** | **Difficulty** | **Features** | **Reason** |
| **Audacity** | 1 | Audio clipping, sound manipulation and other tools such as converting audio files. | Simple UI and free. |
| Ableton | 3 | Instruments already loaded in, audio manipulation and other tools like sharing sessions. | Hard to learn, expensive. |
| Avid Pro Tools | 2 | Sound manipulation and better post production tools like cloud based collaboration. | UI is bad |
| Magix Samplitude | 4 | Recording and editing is easy, sound manipulation and plug-ins already installed | Too complicated and runs better on high end end machines. |
| Adobe Audtion CC | 5 | Multi-track view, sound manipulation and higher range of sound handled. | Cost too much money. |

If I was going to add any sound on to my web page I would use Audacity as it is free and easy to use, it also has a lot of features that I could benefit from.

Below is a table on the dificulty of each coding editing application

|  |  |  |  |
| --- | --- | --- | --- |
| **Application** | **Difficulty** | **Features** | **Reason** |
| Microsoft Visual Studio | 1 | A lot of languages, auto-fill to help code, fast and easy to learn from when you make errors | Easy to learn. A lot of features that can be used with ease. |
| Wavemaker | 3 | Create and share codes tools, templates and customising code. | Focuses on other features like app making and not web page creation. |
| Notepad++ | 2 | Simple, small storage, easy transferable across computers and easy access. | Doesn’t offer a lot of features and would be harder to learn code from. |
| IntelliJ IDEA | 4 | A lot of debugging tools, code navigation and plug-ins. | Expensive and heavy on older systems. |
| PyCharm | 5 | Debugging. | Doesn’t support a lot of code languages. Costs a lot. |

I used Microsoft Visual Studio 2022 because it is an easy to program and it supports a lot of code languages. I can easily spot mistakes in Microsoft Visual Studio and the auto-fill makes it easier to create stuff. Other programs would not run well on my computer and are expensive.

Key: 1 - not difficult at all - 5 very difficult

Conclusion: It is crucial to choose the right applications in order to benefit in creation and editing of your project and it is also good to keep an open mind about using more than one application if one does more than the other. If a client in the future wanted me to create a big project that they needed a lot of special effects or fancy-graphics then I would have to use better applications and maybe pay for the ones that cost a lot, depending on my budget and what I needed it for.