

# Assignment

1] Have you ever had an idea for a website or application? It's easy to come up with the idea, but the hard part is understanding how that idea will take shape in user interface form. This is where sketching is useful. Sketching happens in many professions that involve creativity and construction. The beauty of sketching is that you are not required to be an artist to produce them we can easily make it with pens and sketches.

2] Design Principles are a tool for creating a better, more consistent experience for your users. They are high level principles that guide the detailed design decisions you make as you're working on a project.

Three types of design principles are as follows:-

1} Variety in design is used to create visual interest. Without variety, a design can very quickly become monotonous, causing the user to lose interest. Variety can be created in a variety of ways, through color, typography, images, shapes, and virtually any other design element.

2} Patterns are nothing more than a repetition of multiple design elements working together. Wallpaper patterns are the most ubiquitous example of patterns that virtually everyone is familiar with.

3} Rhythm is the spaces between repeating elements can cause a sense of rhythm to form, similar to the way the space between notes in a musical composition. There are five basic types of visual rhythm that designers can create: random, regular, alternating, flowing, and progressive. Random rhythms have no discernable pattern.

3] RGB color space constructs all the colors from the combination of the Red, Green and Blue colors. A color space is a set of colors also called gamut. The gamut of a screen or video monitor represents all the colors they are able to display.

4]Yes creating a sketch of website is a good practice because sketching has some advantages to digital wireframes or even digital drawing. It's portable, approachable, creative and time-tested. There's nothing simpler than paper and pencil — or pen. Sketches are loose, friendly, informal... you can erase them and change them.

5]The internet has three main parts to it: surface web, deep web, and dark web. **Surface web** have 10% of the whole internet, in the **deep web** all the passwords, subscription are stored and **Dark web** is anything that is not accessible by standard browsers like Google Chrome or Firefox. The dark web has become an online marketplace for illegal goods. Dark Web is collections of different systems and networks managed by different people used for a variety of purposes. These systems are still connected to and are part of the Internet; however, you will generally not find them using your normal search engines.

6]The Tor project is a non-profit organisation that conducts research and development into online privacy and anonymity. It also gives you access to the dark web. If you're investigating a competitor, researching an opposing litigant in a legal dispute etc then the Tor Browser might be the right solution for you. When a user is connected to Tor their outgoing internet traffic is rerouted through a random series of at least three nodes before reaching its destination.