

NCC

Q1. What is the importance of sketching?

A1. Sketching are an important part of the design and development process. Sketches help to convey ideas, demonstrate functionality, visualize user flow, and illustrate anything that requires human interaction. Sketching helps to save time in the workflow process and also great for brainstorming ideas and collaborating with team members.

Q2. What are design principles? Explain any three types.

A2. **Design Principles** :- Design principles are widely applicable laws, guidelines, biases and design considerations which designers apply with discretion. Professionals from many disciplines—e.g., behavioral science, sociology, physics and ergonomics—provided the foundation for design principles via their accumulated knowledge and experience.

Types of Design Principles :-

1. **Contrast** :- Contrast refers to how different elements are in a design, particularly adjacent elements. These differences make various elements stand out. Contrast is also a very important aspect of creating accessible designs. Insufficient contrast can make text content in particular very difficult to read, especially for people with visual impairments.
2. **Hierarchy** :- It refers to the importance of elements within a design. The most important elements (or content) should *appear* to be the most important. Hierarchy is most easily illustrated through the use of titles and headings in a design. The title of a page should be given the most importance, and therefore should be immediately recognizable as the most important element on a page.
3. **White Space** :- White space—also referred to as “negative space”—is the areas of a design that do not include any design elements. The space is, effectively, empty. White space serves many important purposes in a design, foremost being giving elements of the design room to *breathe*. Negative space can also help highlight specific content or specific parts of a design.

Q3. What is RGB color space?

A3. A particular color space that employs RGB primaries for part of its specification is defined by the three chromaticities of the red, green, and blue additive primaries, and can produce any chromaticity that is the 2D triangle defined by those primary colors

Q4. Is creating a sketch of a website is a good practice? Explain.

A4. Yes, creating a sketch of a website is a good practice because sketching takes your imaginative mind from the clouds to the user interface screen where you can start thinking about the user experience. You'll be able to figure out how your app will work to get the desired result. Sketching allows you to visualize the screen-to-screen interaction so that your idea is something that's visible and clear in user interface form

Q5. What is Dark Web?

A5. The dark web is the World Wide Web content that exists on darknets, overlay networks that use the Internet but require specific software, configurations, or authorization to access. The dark web forms a small part of the deep web, the part of the Web not indexed by web search engines, although sometimes the term deep web is mistakenly used to refer specifically to the dark web.

Q6. What is Tor Browser?

A6. The Tor browser is an internet browser that allows users to surf the web anonymously. It also gives you access to the dark web. Tor is a worldwide network of servers specifically made for private communication. The team behind Tor (The Onion Router) provides free open-source software that helps you browse the internet anonymously. Originally the Tor network was developed with the help of the US navy.