ASSIGNMENT-1

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Subject: Front End Technologies.

Q1. What is Figma?

Ans1. Figma is a cloud based UI/UX design tool used to design user interfaces for websites and mobile applications. It allows designers, developers, and product terms to work together on the same design file in real time. Since Figma runs in a web browser, there is no need for heavy software installation. It supports designing, prototyping and developer handoff on a single platform. Due to its ease of use and collaboration features, Figma is widely used in modern UI/UX design.

*KEY POINTS:-

- Cloud based & browser friendly tool.
- Supports real-time collaboration.
- Automatically saves our work.
- Works on all Operating systems.

Q2. Differentiate between designing and prototyping in Figma.

Ans2/ * Designing:-

→ Designing in figma focuses on creating the visual appearance of an application or website.

→ It includes placing UI elements such as buttons, text, icons & color.

* Prototyping:-

→ Prototyping focuses on adding interactions b/w screens.

It shows how users will move from one screen to another. Designing is static, while prototyping is interactions and helps in testing user experience.

Q3. What are components & styles in figma?

Ans3/ * Components:-

→ Components and styles in figma are used to maintain consistency across a design project.
A component is a reusable UI element such as a button on navigation bar.

* Styles:-

→ Styles define design properties like colors, fonts and text sizes. When a component or style is updated, all its instances update automatically.
This makes large projects easier to manage & saves time.
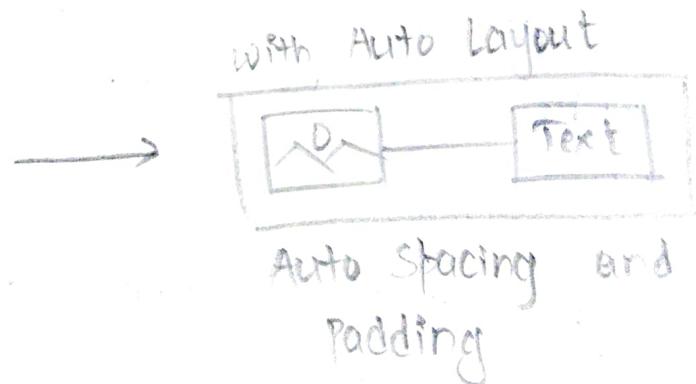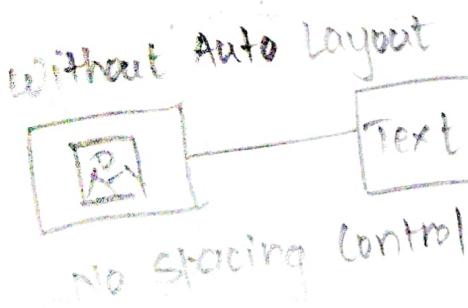
• Components are reusable design elements.
• Styles define colors, fonts and text formatting.

Q4. Explain Auto-Layouts in figma.

Ans4. Auto layout is a feature in figma that helps create a responsive and flexible design. It automatically adjusts spacing, padding and alignment when content on screen size changes. This is especially useful for buttons, cards and lists. Auto layout answers that designs adapt well to different screen sizes. It also makes the design easier for developers to implement.

Without Auto Layout

| [image] | Text |

No Spacing Control

→

With Auto Layout

| [image] | Text |

Auto Spacing and Padding

Q5. Describe the complete developer handoff process in Figma.

Ans5. The developer handoff process in Figma allows designers to share finalized designs with developers efficiently. Developers can use inspect mode to view exact measurments, colors, fonts and spacing. Assets like icons and images can be exported easily. Figma also provides automatic CSS, android and iOS code snippets. This reduces communication gaps & speeds up development.

✦ KEY POINTS:-

① Easy sharing of design files.
② Inspect mode shows exact design details.
③ Assets can be exported quickly.
④ Provides code snippets for developers.
⑤ Reduces errors and speeds up development.

Designer (Figma)
↓
Final Design (File)
↓
Inspect Mode
↓
Assets Export
↓
Code Snippets
↓
Develop