

## Frontend Technologies Assignment-I

Nikhil Kumar  
25MCI10036  
25MAN-1(A)

Q1.→ what is Figma? Explain its key features and why it is widely used in modern UI/UX design.

Ans → Figma is a cloud based UI/UX design tool used to design websites and mobile applications.

- It works directly in the browser, so no heavy software installation is needed.
- Multiple users can collaborate in real time, similar to Google Docs.
- Designers can create wireframes, UI screens, and interactive prototypes in one place.
- It supports components, styles, and auto-layout, which help maintain consistency.
- Designs are saved automatically, reducing the risk of data loss.
- Easy sharing through links makes feedback and reviews faster.
- It is popular because it connects designers and developers smoothly.

Q2.→ Differentiate between designing and Prototyping in Figma.

<u>Ans</u>	<u>Basis</u>	<u>Designing</u>	<u>Prototyping</u>
	Purpose	Focuses on the visual appearance of the UI.	Focuses on user interaction and flow.
	Nature	Screens are static.	Screens are interactive.



Main question	How will the screen look?	How will the screen work?
Elements used	Colors, fonts, images, icons, layout.	links, transactions, animations.
User Interaction	No real user interaction.	Simulates real user actions.
Example	designing the login page with text fields & buttons	clicking the login button moves to the home page.

Q 3. > What are Components & Styles in Figma?

- Ans → Components are reusable UI elements like buttons, cards, and headers.
- Changing a main Component updates all its copies automatically.
  - Styles store design values like colors, fonts & text sizes.
  - They help maintain design consistency across multiple screens.
  - Designers do not need to redesign the same elements again & again.
  - This saves time & efforts, especially in large projects.
  - It reduces errors and keeps the UI professional and uniform.

Q 4. > Explain Auto layout in Figma?

- Ans → Auto layout automatically adjusts spacing, size, and alignment of elements.
- It helps design adapt when content size changes.



- Useful for buttons, lists, cards, and navigation bars.
- Elements resize properly for mobile, tablet, and desktop screens.
- It reduces manual resizing works.
- Designers can set padding, spacing & direction (row/column)
- Makes designs more responsive and flexible.
- Developers find it easier to convert designs into code.

Submit: Buttons without Auto layout.

Submit Applications: Buttons with Auto layout.

with Auto layout, padding, direction, alignment updates automatically.

Q5. → Describe the complete developer handoff process in Figma.

- Ans → Designers finalize screens & organize them clearly in Figma.
- Files are shared with developers via a link.
  - Developers use Inspect mode to view sizes, colors, and fonts.
  - Assets like icons and images can be exported in PNG, SVG, or JPG.
  - Figma provides CSS, iOS, and Android code snippets automatically.
  - Comments & notes help explain design behaviour.
  - The handoff process ensures accurate implementation of designs.