

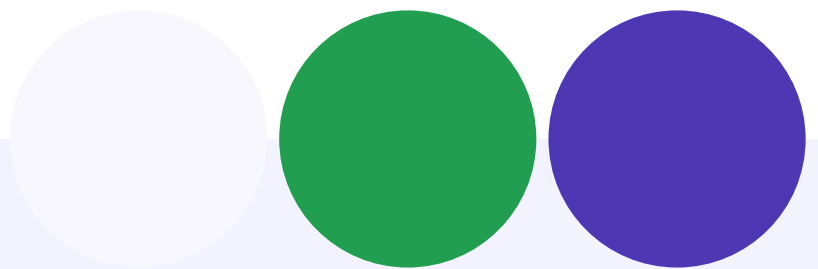


UI/UX

Web Programming Report

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Introduction

1.What is UI? (User Interface)

- This is the **look** of an app or website.
- It's all the visual stuff you interact with: buttons, colors, fonts, icons, and spacing.
- Good UI is clean, clear, and easy to look at. It guides your eyes.

2.What is UX? (User Experience)

- This is the **feeling** you get when using the app.
- Is it easy or frustrating? Is it logical or confusing? Fast or slow?
- Good UX makes the user's journey smooth and solves their problem without them having to think too much.

UI/UX is the difference between “I hate this app” and “I can’t stop using it”



Why It Matters

Good design on the other hand, feels invisible. It solves a problem so naturally that the user doesn't even have to think about what to do next.

Bad design frustrates people. When an app is confusing, slow, or overwhelming, users don't try to fix it, they simply leave or delete it.

people form a visual judgment in just 0.5 seconds — which means a product can fail before they even read a single word.

UI/UX saves human life in critical systems like:

- Medical device interfaces
- Airplane cockpits
- Military software

That's why UI and UX are much more important than people think. Most people see them as just “making things look nice,” but in reality they are way more than that.

UI/UX controls how users think, feel, and behave



Design Process:

- 1.Requirement Analysis:** Understand the users and the problem
- 2.Planning:** Sketch and explore possible solutions
- 3.Design:** Create the interface and visual layout
- 4.Implementation:** Build the design into a working product
- 5.Testing:** Test with users and gather feedback
- 6.Deployment & Maintenance:** Release, Improve and refine based on results

Conclusion:

UI/UX design plays a critical role in the success of any digital product. When the experience is clear, simple, and pleasant, users stay; when it is confusing or frustrating, they leave. A structured design process ensures that products are built around real user needs and continuously improved over time.