

Unit - 1

1. Fundamentals of UI Design and UX Designs:

(i) Consistency:

- It maintains colours, typography, button styles and layout structures.
- It helps users to easily recognize the patterns.

(ii) Accessibility:

- It designs for everyone, including users with disabilities.
- It follows the WCAG to ensure readability, contrast and screen reader.

(iii) User Experience:

- It ~~can~~ considers intuitive, efficient and enjoyable the interface.
- It ensures smooth navigation, minimal function and user centered.

(iv) Colour:

- It chooses the colour that align with brand identity.
- It relates cultural association, contrast and colour blindness.

2. Diff b/w UI & UX using real-world case study.

Case 1:

App: Netflix

User Interface:

- (i) It uses a dark theme, high quality thumbnails and smooth animation.
- (ii) The designs ~~are~~ will remain the same across ~~and~~ all the devices.
- (iii) The users see motion previews when they hover a show.

User Experience:

- (i) AI suggests content based on the user preferences.
- (ii) Users can find content easily through searches.
- (iii) Helps users resume content without any extra effort.

Case 2:

App: Snapchat.

User Interface:

- (i) It has brighter and a playful design to attract younger audience.
- (ii) It does not have a ~~tab~~ home page and lands directly in the camera page.
- (iii) It has custom avatars and AR filters.
- (iv) It has filters and Bitmoji.

User Experience:

- (i) It enables the users to snap to others and ~~to~~ disappears after viewing.
- (ii) It enables the users to share content 24 hours.
- (iii) It encourages to use it daily by the method streak and trophies.
- (iv) Disadvantage is the interface ~~which~~ which is a bit different for new user.

3. Relationship b/w UI and UX design :

Let's take an example about the video game.

User Interface

- Let's think about the game's menu.
If the button's big and easy to press?
Is the text clear and readable?
- Visibility of the health bar? How much health your character left?
- Is the map easy to read and understand?

User Experience:

- Is the game interactive? Does it feel fair?
- It ~~has~~ must have an easy to learn control feature.
- It has to be engaging and exciting to play.
- It must have smoothness in the game play.

Therefore,

Together, it must have amazing graphics. But it should be balanced.

Case 1:

A game with amazing graphics may have frustrating, if the controls are graphics. So, you might lose interest.

Case 2:

A game with simple graphics can be super fun, if the gameplay is smooth with no lag. This attracts users.

4. Various VI/UX Design tools:

(i) Figma

- It is a digital Drawing Board.
- It enables the users to collaborate and work together.
- It is used to design web pages and Apps.
- It creates a prototype of anything.

~~(ii) Adobe~~

(ii) Adobe XD:

- It is similar to Figma with few differences.
- It is a product of Adobe family.
- It creates animations and transition and make your design a bit lively.
- It visualizes an app or website.

(iii) InVision:

- It is magic tool turns any design into an interactive one.
- It's design are working one so it feels like a real one
- It's a great option to get feedback from the users.