# Learn Links and Buttons

## Signifiers

In the field of user interface design, signifiers are indicators that offer clues about how to interact with new objects or situations.

## The User Agent Stylesheet

The user agent stylesheet is a set of default styles included in the browser for use on all web pages.

## Links and Button Behavior

Links and buttons should exhibit the same behavior across different browsers to consistently maintain the same experience for all users.

## Link States

In a browser, links have four main states:
- Normal (not clicked)
- Hover
- Active (clicked)
- Visited

## Link Styles

Links should be styled in a different way from their surrounding text.
By default, links appear blue and underlined in contrast to the surrounding black text.

## Anchor Text

Anchor text is the text inside of a link and is descriptive of the linked resource.
It improves:

- Usability
- Accessibility
- Search engine optimization

## The 'title' Attribute

The `title` attribute can be provided to any HTML element.
This attribute is used for additional context or advisory text for clickable elements.

## Tooltips

A tooltip is a descriptive box which contains the text of an element's `title`
attribute and appears near the user's cursor.

## The `:hover` CSS Pseudo-Class

The CSS pseudo-class `:hover` is used to style an element when the mouse cursor
hovers over it.

## The CSS `cursor` Property

The CSS `cursor` property is used to change the appearance of the mouse cursor when hovering over an element.

## Skeuomorphism

Skeuomorphism is the concept of replicating or imitating real-life counterparts with UI elements.

## Flat Design

Flat design uses simplicity and lack of clutter for its UI elements.

## Button Skeuomorphic Styling

A `<button>` element can incorporate skeuomorphic styling for a realistic 3D appearance.
When pressing the button, a texture change may occur to make the button appear to flatten and pop back up when released.

## Button Flat Styling

A `<button>` element can incorporate flat styling for a simple 2D effect.
When pressing the button, a color change may occur as a signifier that the button has been pressed.

## Button Hover State

A button can have a hover state that changes the appearance of a cursor when it is directly over the button.

## Mobile Device Hover State

The hover state of buttons and links do not apply to mobile devices due to the lack of a cursor.

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