

A stylized illustration of a human head in profile, facing right. The head is white with a pink and orange gradient. Inside the head, the brain is depicted as a network of white dots connected by lines, set against a dark purple background. The head is surrounded by concentric circles in shades of purple and pink. The background of the entire slide features large, flowing, abstract shapes in shades of purple, pink, and orange.

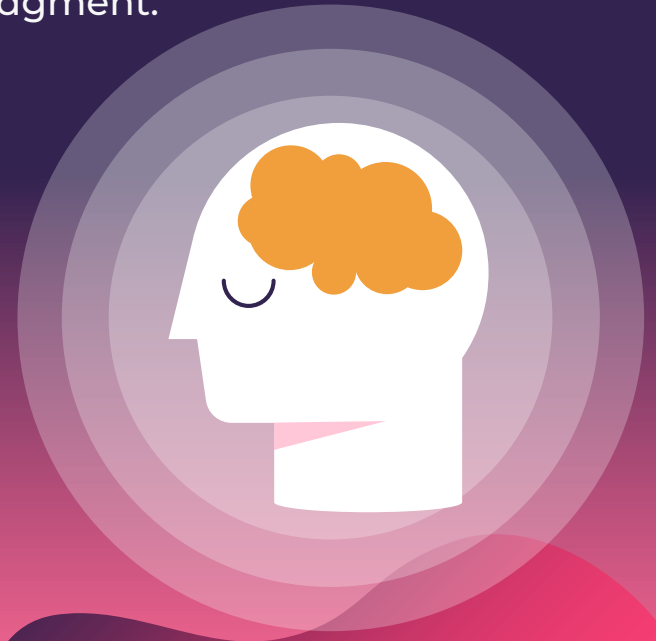
Slips of everyday action

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What is slip ?

In the context of Human-Computer Interaction (HCI), "slip" refers to a type of human error that occurs when a user intends to perform one action, but **accidentally performs a different action** due to a mistake or misjudgment.

Slips can occur for a number of reasons, including user distraction, fatigue, or insufficient focus on the work at hand. An example of a slip would be when a user intended to click on one button but instead unintentionally clicked on a nearby button because they were not paying close enough attention to where the target button was located.



Mistakes and Violation

Mistakes

Mistakes are errors that result from a lack of knowledge or experience

Violation

Violations occur when a user intentionally disregards a system's rules or procedures

In contrast, slips are **unintentional errors** that result from a momentary lapse in attention or judgment.

Types of Slips

- Capture Errors
- Description Errors
- Data-driven Errors
- Associative Activation Errors
- Loss-of-activation Error
- Mode Error



Capture Error

A capture error is a frequently done activity that takes over (captures) the intended action.

Example:

On the first day of going back to my new house from university, I find myself halfway to my old house.



Description Errors

A description error is when the user does the right action on the wrong object.

Example:

In my absent-mindedly i sometimes say “Hey Siri” to your Amazon Echo device, which is listening for “Alexa.”

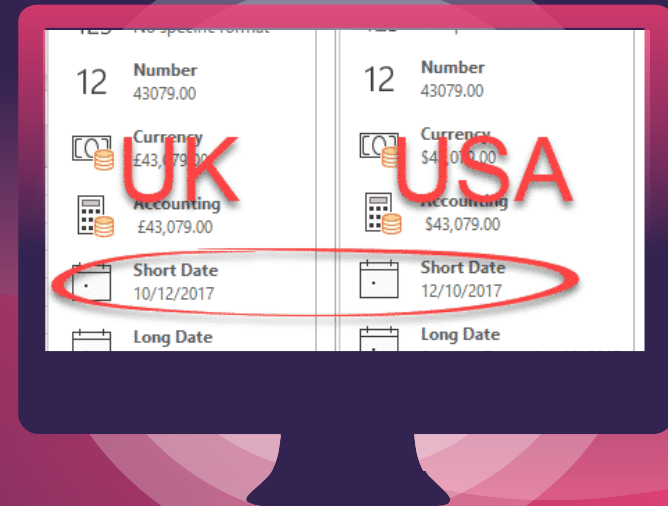


Data-driven Errors

A data-driven error is when the unconscious processing of external data interferes with what a user had intended to do

Example:

I may intend to enter my birthdate as 29/02/2000, but accidentally types 02/29/2000, swapping the day and month.

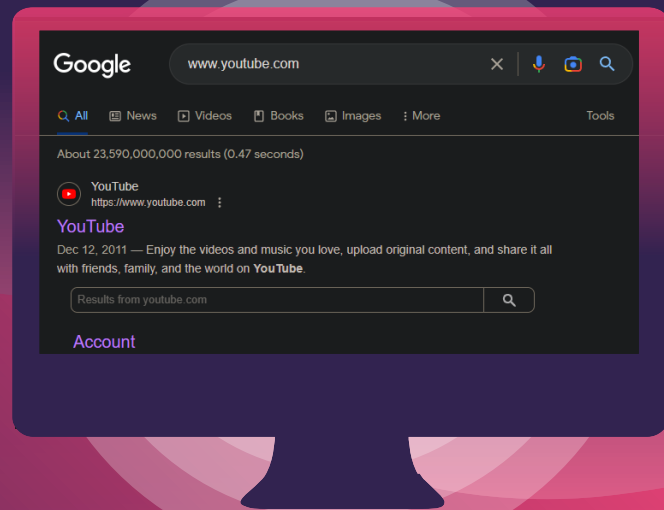


Associative Activation Errors

These occur when a user's actions are triggered by environmental cues that are similar to those associated with a different task.

Example:

I tried to type a web address into a search engine instead of the address bar of my web browser because I'm accustomed to typing all my queries into the search engine.



Loss-of-activation Error

Loss-of-activation errors occur when a user loses focus on their primary objective or intention while performing a task

Example:

I intended to search for a specific product on an e-commerce website, but got distracted by related products and ended up purchasing something different.

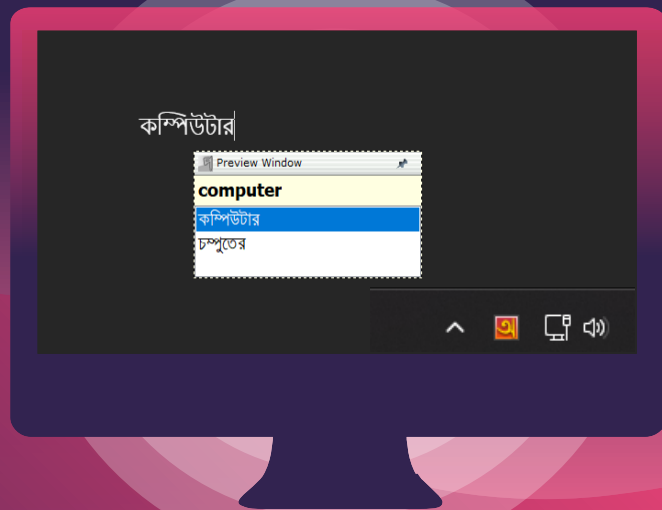


Mode Errors:

A mode error is when the user does the right action but in the wrong system status.

Example:

sometimes I try to type in English but do not notice that my keyboard is in Bangla mode.



Thank you
for your attention

