- Debouncing is programming pattern or a technique to restrict time-consuming function frequently by delaying the execution of function until a specified to avoid unnecessary CPU cycles , and API calls and improve performance.

- Debounce function is high order function that returns another function to create closure around the function parameters (func, timeout) and timer variable.

Func: is a function that you want to execute after the debounce time

Timeout: The amount of time you want the debounce function to wait after the last received action before executing func

Timer: The value used to indicate a running debounce.

Use Cases:

Search Box suggestions , test-field auto-saves and eleminiatiing double -button clicks

Implementation

Text

Description automatically generated