

In Angular forms, **dirty**, **touched**, and **untouched** are states that help track user interactions with form controls:

- **Dirty**: A form control becomes "dirty" when the user modifies its value.
- **Touched**: A form control is "touched" when the user focuses on it and then moves away.
- **Untouched**: A form control remains "untouched" until the user interacts with it.

When an Angular form control is first initialized, it starts in the **untouched** state. This means the user hasn't interacted with it yet—no focus, no blur, nothing.

As soon as the user clicks into the field and then clicks away, Angular marks it as **touched**. If the user changes the value, it also becomes **dirty**.

This is useful for managing validation. For example, you might want to show error messages only after a field is touched, rather than when the form first loads.