

# UNIT 2

## Angular



### Exercise 5

Client-side Web Development  
2nd course – DAW  
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## Exercise

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From last exercise (part 4), create 3 versions of the project (copy and rename the project's folder) called:

- **angular-inmosanvi-template** → Version with template forms
- **angular-inmosanvi-reactive** → Version with reactive forms
- **angular-inmosanvi-signal** → Version with Signal forms

### Validation with Angular and Tailwind

The easiest way to show validation styles with Angular and Tailwind is to use Angular classes (ng-valid, ng-touched, etc.) and apply the necessary styles in the CSS stylesheet, including showing error messages only when the field before is touched and invalid. Just add this CSS to your **styles.css** global file:

```
:is(input,textarea,select) {
  @apply border rounded-md;

  &.ng-touched.ng-invalid {
    @apply border-red-700 ring-red-600;
  }

  &.ng-touched.ng-valid {
    @apply border-green-700 ring-green-700;
  }

  &:not(.ng-touched.ng-invalid) ~ .error-msg {
    @apply hidden;
  }

  &:focus {
    @apply ring-1;
  }
}
```

To show 1 or more error messages, just add them next to the corresponding form field with this format:

```
<input ...>
<div class="error-msg text-sm text-red-700">Example error message</div>
```

Province

You must select a province

Don't forget that you have to configure Signal Forms to get the same classes on the inputs that Angular adds with Template and Reactive Forms

<https://fullstackpro.es/courses/curso-angular/signal-forms#gestionar-las-clases-validacion>

## New property form validation

- All fields are required (including the image file)
- Province and town cannot be "0". Use this regular expression: "[1-9]\d\*\*"
- Title must be at least 5 characters long and can only contain letters and spaces. This is the [pattern](#) regular expression → `^[a-zA-Z] [a-zA-Z ]*$`.
- Price must be at least 1
- Square meters must be at least 1
- Number of rooms and baths must be between 1 and 20
- Show different error messages for each type of error.
- We won't validate the image format and size. Although it's possible to create a validator to check that, the process is a little bit more complicated than just checking the input value.
- The image must be assigned an empty string when no file is selected (esc key pressed for example). The preview image will disappear when this happens.
  - Make sure that the `encodeURIComponent` directive returns an empty string when this happens: <https://fullstackpro.es/courses/curso-angular/directivas#ejemplo-directiva-para-codificar>
- Disable the submit button **until** the form is **valid**. Add this class to the button to see the difference when it's disabled → **"disabled:bg-blue-300"**
- **Only with Reactive and Signal forms:** If the form has not been modified (`pristine` is true), let the user leave the page without asking (`canDeactivate`)

## Properties page filter

The search and province fields are already implemented with template forms. Here we won't validate anything, but we should use Reactive or Signal forms in their respective project variations.

You could put both fields into a form, but you don't need to. You can create 2 independent `FormControls` in reactive forms and 2 independent forms with just a value (signal) in Signal Forms.

**Reactive Forms** → combine **toSignal** with the **valueChanges** observable to create 2 signals like you have now and filter properties. Add a debounce of 600ms to the search value.

**Signal Forms** → Add a debounce of 600ms to the search value.

## Task submission

You must submit the **3 different projects** (you will be able to upload 3 files) in zip format each.