UNIT 2

Angular

Exercise 2

Client-side Web Development
2nd course – DAW
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Exercise

Update the previous exercise with the following changes:

- If you didn't choose the zoneless option when creating the project, update the app's change detection strategy to use **zoneless**:

  https://fullstackpro.es/courses/curso-angular/senales-signals#zoneless

- All components from now on must use the **onPush** change detection strategy.

- You must use the **modern** Angular syntax we've seen in class!. Any outdated syntax will make that component not valid for this exercise grading.

- Create the component **property-form** and put the "new property form" there. This component must manage actions related with adding a new property. Create an **output** event there called **added** where this component emits the property object created when you submit the form.

  - Store the image in base64 inside a signal called **imagePreview** (use that signal to preview the image in the HTML). When submitting the form, copy the value of that signal in the **mainPhoto** attribute of the newProperty object.

  - You won't need the ChangeDetectorRef object anymore (signals always trigger change detection). Delete all references to it.

- Create the component **property-card** and move the HTML which goes inside the card there. This component will have an **input** value called **property** (will receive the object to display) and an output event called **deleted** (emit when deleting the event).

  - Keep in mind that the property object will be a **signal** in this component.

- Create a custom pipe called **intlCurrency** that formats a number into a currency using the Intl.NumberFormat class. This pipe will receive 3 additional parameters: **currency** ('EUR', 'USD', etc.), **language** ('es-ES', 'en-US', etc.) and **maximumFractionDigits** (0 by default). Use this pipe to format the property's price in **english** and **Euros** with **0 decimal digits**.

- Add the search bar and filter by province select (copy the HTML from the previous unit project) and do the following:

  - Delete the <form> tag, you won't need it. Also, delete the submit button.

    - Put the form CSS classes in the section (parent) element

    ```
    <section class="mb-6 bg-white p-6 rounded-lg shadow-md">
    ```

  - Create 2 signals, **search** and **province** and bind them to their respective input and select fields.

- Filter the properties using a **computed** signal. Take the search value (signal) from the search input and the array of events and return a new array containing the events that have the string in the title or description.
    - The array of events should be a **signal** now, so the computed signal reevaluates whenever it detect the array has changed.
- You must show the filter information just like in unit 1 project. Add the div below the “Properties for Sale” header like this:

```
<h2 class="text-2xl font-bold text-gray-800">Properties for Sale</h2>
<div class="text-gray-600 text-sm p-2 mb-4">Filter text here</div>
```

- **Important**: The array of properties should be a signal. This means that in order to detect that the array has been changed, you must return always a new reference (new array):
    - Use the filter method to delete a property from the array. This will generate a new array that you should reassign to the original property
    - Use spread (...) to clone the array and add the new property in the same operation -> [...properties, newProperty].
- Remember to delete all code (HTML and TS) from the properties-page component that’s no necessary anymore (and component's imports) and include the new components there!
- **Important:** Don’t forget to delete **node_modules** and also the **.angular** folder before compressing and uploading the project