

# UNIT 1

## JAVASCRIPT



### Part 3 - Exercise

Client-side Web Development  
2nd course – DAW  
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# Exercise JavaScript part 3

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Download the included zip which contains the necessary files to do this exercise. You'll only have to complete the JavaScript file, leaving the others untouched.

Throughout this unit we will implement the website of the fictitious real estate company InmoSanvi. In this practice, we will use a form to add a new real estate property and add it to the listing (DOM).

You must use what we have seen in class (e.g. use addEventListener for events, append to add to the DOM, etc.). Failure to do the practice according to the indicated instructions will result in a penalty.

## New property form

You'll see in the HTML file there's a form. This form will add a new Property with this data:

- **province** → Required (in the future we'll get them from a server)
- **town** → Required (in the future we'll get them from a server)
- **address** → Required
- **title** → Required (only letters, numbers or spaces and begin with a capital letter)
- **square meters** → At least 1
- **rooms** → Between 1 and 20
- **baths** → Between 1 and 20
- **price** → At least €1
- **image** → Required (must be an image and less than 200kb)

When you select an image, it will show a preview inside the **img#imagePreview** element. In order to do that, transform the image to base64 format and put that in the src attribute.

The **img#imgPreview** element has a CSS class “**hidden**” which hides it. When the image is showing but the src attribute is empty or not correct, it will display a broken image icon in many browsers. You should remove this class before assigning the base64 image to this element, and add it again when the selected file is not correct.

Also, using the Constraint Validation API, verify that the selected file is an image (check that **file.type** starts with “image”), and it doesn't weight more than 200KB. Show error messages in the field if that happens.

## Submitting the form

When the user submits the form, do the following:

- Validate the form using the Constraint Validation API. If it's not valid, do not continue.
- If everything is correct, add the new property to the HTML document, and reset the form (also hide the preview image).
  - Use the template present in the HTML file (remember to clone it) and fill it with the form's data. Do this in a separate function.
  - Create an object with all the property's data and pass it to the function mentioned above.
  - Transform the price to currency (in € and english) using the Intl API.
  - Append the card to the DOM (inside the **div#property-listings** container).
  - Add the click event to the delete button inside the card (button.btnDelete). When this button is clicked, it will remove the card from the DOM.

**Important:** You must run this exercise using a local web server. The easiest way would be using VS Code extension: **Live Server**.



InmoSanvi Find your dream home

### Add New Property

Province  Town

Address

Listing Title

Square Meters  Number of Rooms  Number of Baths

Price (€)  Main Photo  Ningún archivo seleccionado

**Add Property**

### Properties for Sale



Luxury House	Attic In The Big City	Needs a Reform
Big Street 43, Alcorcón, Madrid	Sesame Street 101, Valencia-Capital, Valencia	Ghost Street 9, Gavà, Barcelona
<b>€1,200,000</b>	<b>€980,000</b>	<b>€110,000</b>
420 sqm	180 sqm	120 sqm
8 beds	4 beds	4 beds
6 baths	4 baths	2 baths

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