UNIT 1

JAVASCRIPT

Part 2 - Exercise

Client-side Web Development
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Índice

Exercise JavaScript part 2 3
Submitting the form 3
Adding a new event 3

Exercise JavaScript part 2

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.

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

- **title** → Required (must have only letters and spaces and begin with a letter)
- **description** → Required (at least one character that is not a space)
- **date** → Required
- **image** → Required
- **price** → Required (can't be negative)

When you select an image, it will show a preview inside the **<img>** element. In order to do that, transform the image to base64 format and put that in the **src** attribute. This is the way to do it:

```
newEventForm.image.addEventListener('change', event => {
  let file = event.target.files[0];
  let reader = new FileReader();

  if (file) reader.readAsDataURL(file);

  reader.addEventListener('load', e => {
    // Remove d-none class from the element "imgPreview"
     imgPreview.src = reader.result;
  });
});
```

The **img#imgPreview** element has a CSS class "**d-none**" 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.

Submitting the form

When the user submits the form, do the following:

- Test each value of the form. You can see the requirements at the beginning.
- If a form value is not correct put the class "is-invalid" in the **input** element. If it's correct, put the class "is-valid". Validate everything, don't stop when something is not valid.
- If everything is correct, add a new event to the HTML document, and reset the form deleting all data and the is-valid classes (use **querySelectorAll**). Also, add the "d-none" again class to the form's <img> element.
- Transform the date into english mm/dd/YYYY format and the price into english (en) format also (currency -> EUR). Use the **Intl API**.
- If everything is correct, add the new post to the HTML document, and reset the form deleting all data.

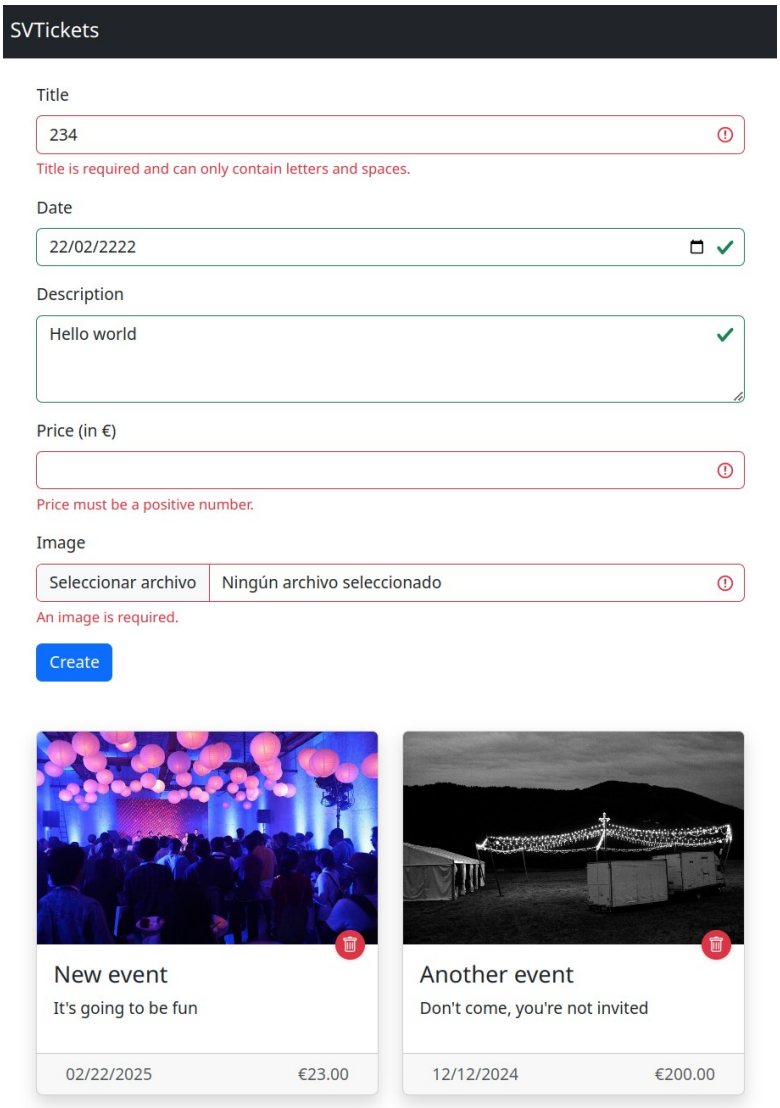
- Restore the **d-none** class to the **#imgPreview** element

Adding a new event

Then the form is valid, generate this HTML structure using createElement, append, etc (don't use innerHTML):

```
<div class="col">
  <div class="card shadow">
    <img class="card-img-top" src="image_base64">
    <div class="card-body">
      <h4 class="card-title">Event's title</h4>
      <p class="card-text">This is the description.</p>
      <button class="btn btn-danger delete"><i class="bi bi-trash"></i></button>
    </div>
    <div class="card-footer text-muted row m-0">
        <div class="col">dd/mm/yyyy</div>
        <div class="col text-end">Price €</div>
    </div>
  </div>
</div>
```

Add this created structure to the ** ** element. Go step by step, creating the main elements and adding them to the DOM and checking everything is all right.You can see the generated structure with your browser's Developer Tools.

When clicking on the **button.delete** element of the card, remove the card from the DOM (the **div.col** element containing the card).

Remember that the image in base64 is not in the input's value, but in the src of the image #imagePreview.