

# UNIT 1

## JAVASCRIPT



### Part 2 - Exercise

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

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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.

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

- **Name** → Required (must have only letters and spaces and begin with a letter)
- **Description** → Required (at least one character that is not a space)
- **Cuisine** → Required (at least one character that is not a space)
- **Opening days** → At least 1 has to be checked
- **Phone** → Required (9 numbers)
- **Image** → Required

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:

```
newRestForm.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 id="imgPreview">** element has a CSS class "d-none" which hides it. When the image is showing but the src attribute is empty, 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**".
  - In the case of opening days, you must check if the days array is empty. Show the error by removing the class "**d-none**" from the element where **id="daysError"**.
- If everything is correct, add a new restaurant in 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.

## Adding a new restaurant

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

```
<div class="col">
  <div class="card h-100 shadow">
    
    <div class="card-body">
      <h4 class="card-title">Restaurant Name</h4>
      <p class="card-text">Restaurant Description</p>
      <div class="card-text">
        <small class="text-muted">
          <strong>Opens: </strong>Mo, Tu, We, Th, Fr, Sa, Su
        </small>
        <span class="badge ms-2 bg-success">Open</span>
        <span class="badge ms-2 bg-danger">Closed</span>
      </div>
      <div class="card-text">
        <small class="text-muted">
          <strong>Phone: </strong>999999999
        </small>
      </div>
    </div>
    <div class="card-footer">
      <small class="text-muted">Cuisine style</small>
    </div>
  </div>
</div>
```

Add this created structure to the `<div id="placesContainer">` 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.

Check if today the restaurant is open and add **only one** badge (Open or Closed)

Remember that the image in base64 is not in the input's value (only the filename), but in the src of the #imagePreview element.

Name

Good restaurant ✓

Description

Description ⓘ

Description is required.

Cuisine

French ✓

Opening days

☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun

You must choose at least 1 day.

Phone number

765786756 ✓


Main photo

Seleccionar archivo rest2.jpg ⓘ

An image is required.



Create




**Italian Restaurant**

This restaurant has pizzas and spaghetti

Opens: Mo, Tu, We, Th, Fr **Closed**

Phone: 645674565

Italian food



**New Restaurant**

Elegant Restaurant.


Opens every day.

Great discounts for families!

Opens: Mo, We, Th, Fr, Sa, Su **Open**

Phone: 645745436

Mediterranean, traditional



**Another restaurant**

Our food is the best money can buy. If you get poisoned, we'll refund all your money.

Opens: Th, Fr, Sa, Su **Open**

Phone: 645748879

Experimental