

# JAVASCRIPT COURSE

PART 7 - 09.11.2017.



**IN THIS CLASS**

- Tables & Creating new elements
- Retrieving / Sending data

**BEFORE WE BEGIN**

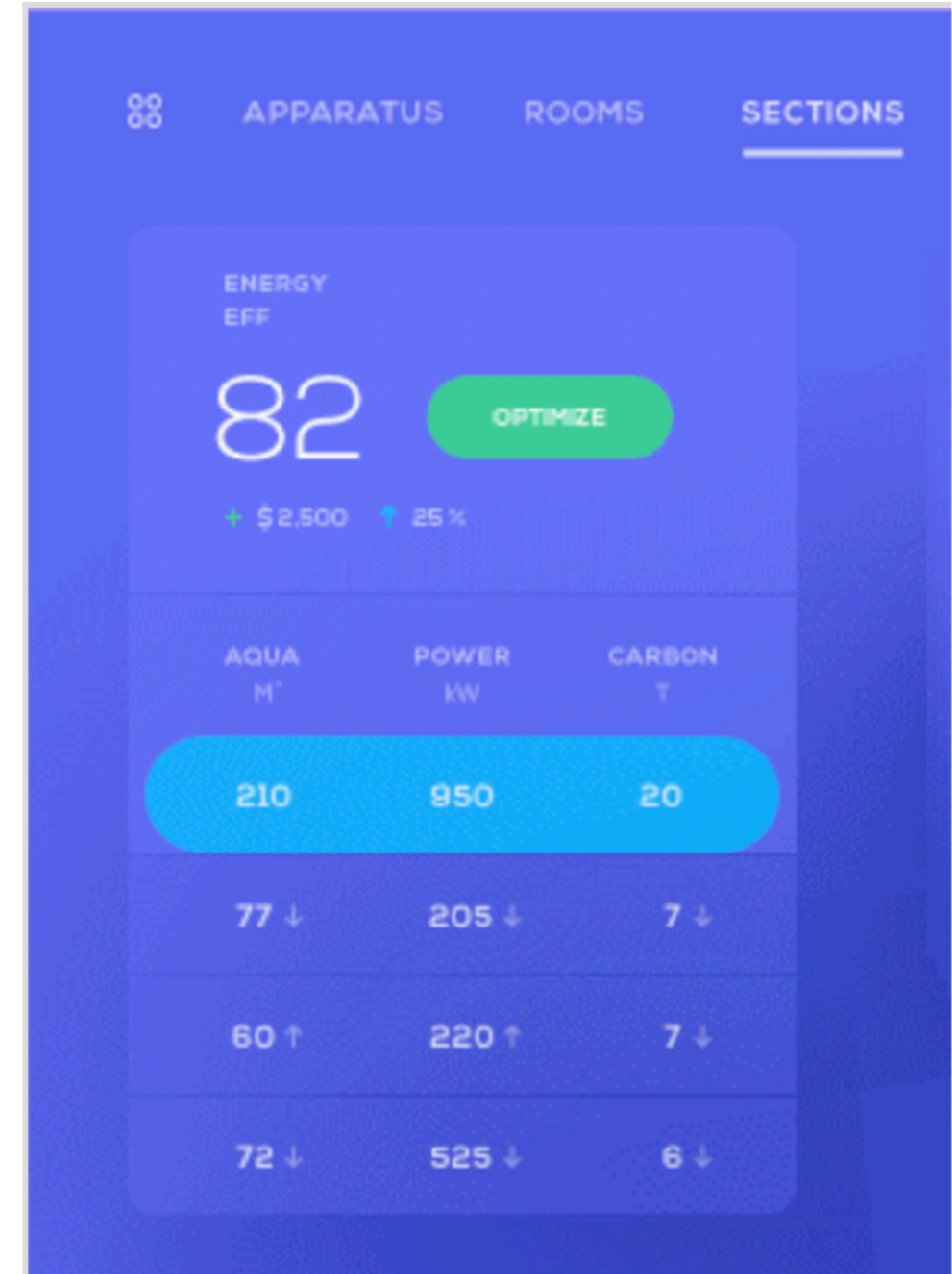
Presentations and homework:

<https://github.com/JSBelgrade/course-2017>

# PREVIOUS HOMEWORK

By Cosmin Capitanu

1. Navigation (Home, Topics, Attendees)
2. Add the first name, last name and icon
3. Add new Attendee



**LET'S CHECK THE HOMEWORK TOGETHER**



**TIME TO COMPLETE THE CIRCLE**

**XHR**

**Xml Http Request**

**XML**

**DATA FORMAT**

**HTTP**

**PROTOCOL**

**Request**

**OPERATION**

# HTTP

## GET

RETRIEVE DATA

## POST

SAVE DATA

## PUT

UPDATE DATA

## DELETE

DELETE DATA

**OPTIONS, HEAD, PATCH, TRACE, CONNECT**

```
var xhr = new XMLHttpRequest();  
let url = 'https://someurl'  
xhr.open( 'GET', url, true);  
  
xhr.onload = function () {  
    // Request finished. Do processing here.  
};  
  
xhr.send(null);
```

# **EXERCISE #1:**

**GET YOUR DATA FROM A SERVICE**

**POPULATE YOUR TABLE WITH IT**

**~20 mins**

**SAVE DATA?**

```
var xhr = new XMLHttpRequest();
xhr.open( 'POST', ' /server', true);
xhr.setRequestHeader( 'Content-Type', 'application/json' );

xhr.onreadystatechange = function() {
    if(xhr.readyState == XMLHttpRequest.DONE) {
        console.log(xhr.responseText)
    }
}

xhr.send(JSON.stringify({ "icecreamId": "123", "name": "chocolate" }));
```

# **HOMEWORK**

**Each part is a difficulty level**



## PART 1:

Add an another column to your table Actions that will show for each row two buttons

- Button **Delete**
- Button **Edit**

## PART 2:

1. Clicking Delete button – creates a DELETE request, on status 200 it deletes the row from the table
2. Clicking Edit button – shows the form. The form button should now show the EDIT title.

**When sending data with XHR, don't forget to use `JSON.stringify()` on your object data**

## PART 2 - STEP BY STEP:

1. As each of the rows has an column Actions with 2 buttons: Edit and Delete  
- add onclick functions on both of them and create the functions
2. The Delete button function should send a DELETE request to the API to delete the clicked button attendee
3. The Edit button function should display the hidden form
4. The Edit function should also populate the form with the clicked row attendee
5. The Edit function should also change the Form Button text from Add to Edit

**When sending data with XHR, don't forget to use `JSON.stringify()` on your object data**

## PART 3:

Clicking Attendee EDIT form button should now invoke a PUT request and on status 200, update the attendee row in the table.

**When sending data with XHR, don't forget to use `JSON.stringify()` on your object data**

## PART 3 - STEP BY STEP:

1. Clicking Attendee EDIT form button should now invoke a PUT request.
2. This request should pickup the data from the edited attendee and pass it as request data to the API
3. If the API returns 200, then update the attendee row in the table.
4. If not, it should display an error - alert is fine

**When sending data with XHR, don't forget to use `JSON.stringify()` on your object data**

**THE END**

OF PART SEVEN