JAVASCRIPT COURSE

PART 6 – 06.11.2017.

ICT HUB

JS

IN THIS CLASS

- DOM DOM··· DOOOM – Forms
- Switching pages / links
- App Behaviour
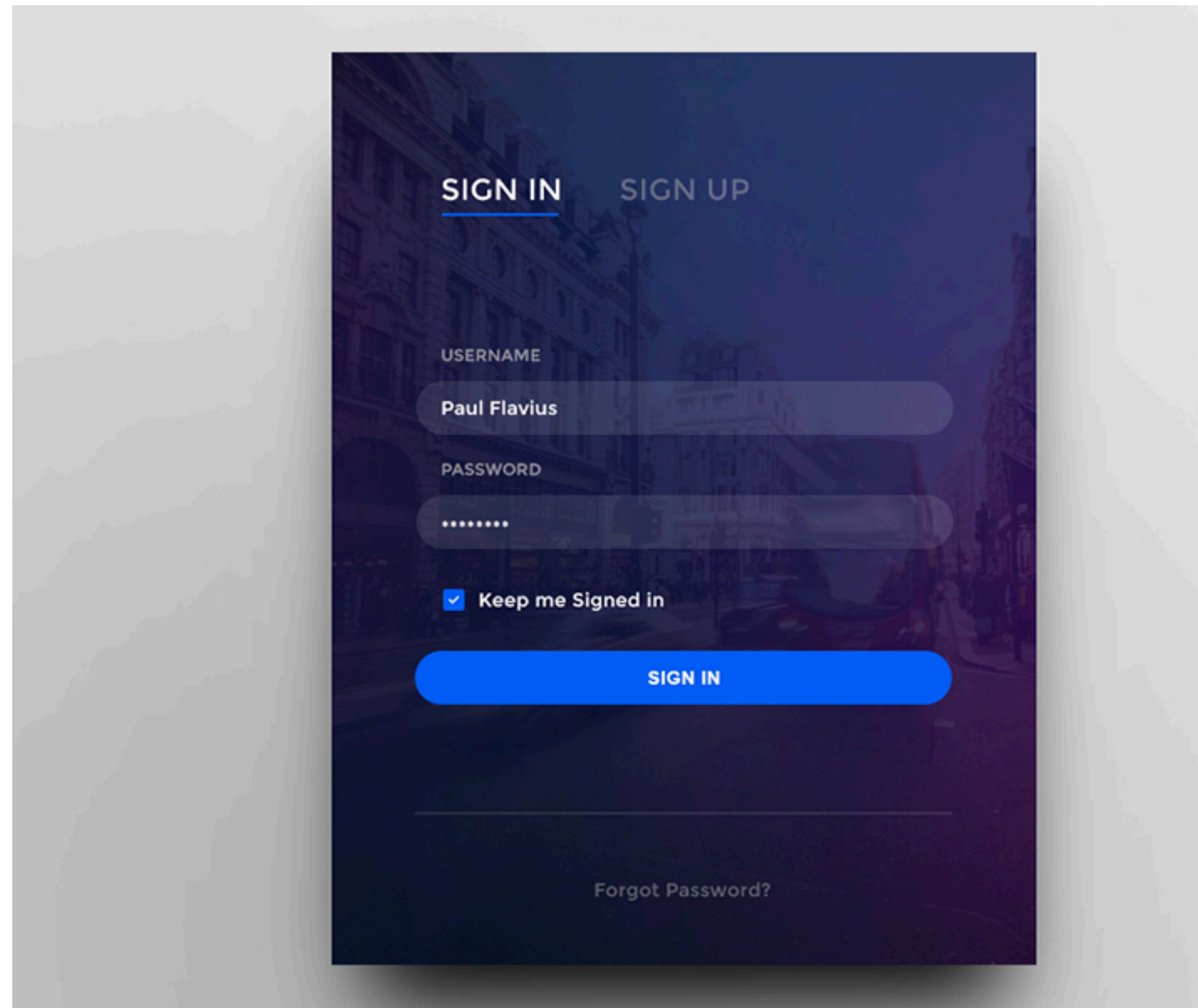- Tables – populating with JS

BEFORE WE BEGIN

Presentations and homework:

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

PREVIOUS HOMEWORK

1. Fix the calculator bug
2. Finish the +, -, *, / with 2 numbers
3. Sign in Form as per –

https://dribbble.com/shots/2125879-Day-001-Login-Form

LET'S CHECK THE HOMEWORK TOGETHER

LETS VALIDATE THE FIELDS

VALIDATING
EMAIL
&
PASSWORD

EXERCISE #1:
Create a page for the Sign Up Form

Email, Password, Confirm Password, First Name, Last Name, Date of Birth

VALIDATE IT!

~25 mins

LINKS?
SWITCHING PAGES

`<a href="/going">Going somewhere?</a>`

```html
<a href="/going"
   target="_blank|
           _self|
           _parent|
           _top">
   Going somewhere?
</a>
```

IN A JAVASCRIPT WAY

```
location.href = "/going"
```

HOW DOES IT COMPARE?

```
<a href="/going">Going somewhere?</a>

location.href = "/going"
```

WHAT ABOUT OUR CURRENT OBJECTS?

ON INDEX PAGE

```
var currentNumber = 5;
console.log(currentNumber);
```

ON BUTTON CLICK

```
currentNumber = currentNumber + 1;
```

ON PAGE CHANGE

```
console.log(currentNumber);
```

LET'S DO IT

FORMS ➡ CREATE, EDIT

TABLES ➡ LIST

TABLES

TABLA TRIGONOMÉTRICA

TABLES

α	0°	30°	45°	60°	90°	120°	180°	270°	360°
$\sin\alpha$	0	$\dfrac{1}{2}$	$\dfrac{\sqrt{2}}{2}$	$\dfrac{\sqrt{3}}{2}$	1	$\dfrac{\sqrt{3}}{2}$	0	-1	0
$\cos\alpha$	1	$\dfrac{\sqrt{3}}{2}$	$\dfrac{\sqrt{2}}{2}$	$\dfrac{1}{2}$	0	$-\dfrac{1}{2}$	-1	0	1
$\tan\alpha$	0	$\dfrac{1}{\sqrt{3}}$	1	$\sqrt{3}$	∞	$-\sqrt{3}$	0	∞	0
$\cot\alpha$	∞	$\sqrt{3}$	1	$\dfrac{1}{\sqrt{3}}$	0	$-\dfrac{1}{\sqrt{3}}$	∞	0	∞
$\sec\alpha$	1	$\dfrac{2}{\sqrt{3}}$	$\sqrt{2}$	2	∞	-2	-1	∞	1
$\csc\alpha$	∞	2	$\sqrt{2}$	$\dfrac{2}{\sqrt{3}}$	1	$\dfrac{2}{\sqrt{3}}$	∞	-1	∞

Employees (24)

Policy: ● All ⌄   Status: ● All ⌄   Progress: ● All ⌄   🔍   **+ Add Employee**

NAME ⌄	POLICY ⌄	POLICY STATUS ⌄	DESTINATION ⌄	STATUS ⌄	PROGRESS ⌄	
CFO	Basic Policy					
Angie E. Swift Vp of Sales	$20,000 All inclusive Policy	● Awaiting Approval	Huston, US	Waiting	Waiting	⋯
Ronald Koeman Advisory Board	$5,000 Basic Policy	● Approved	Huston, US	● Canceled	Canceled	✏️ 🗑️ ⋯
June Simmons Social Content Manager	$5,000 Basic Policy	● Approved	Huston, US	● Active	● Overdue	⋯
Calvin Johnson VP of Sales	$20,000 All inclusive Policy	● Rejected	Huston, US	Rejected	Rejected	⋯
Michele Jameson Social Content Manager	$5,000 Basic Policy	● Approved	Huston, US	● Canceled	Canceled	⋯
Adam West Vp of Sales	$5,000 Basic Policy	● Approved	Huston, US	● Active	● Overdue	⋯
Natalie Quest Social Content Manager	$20,000 All inclusive Policy	● Rejected	Huston, US	Rejected	Rejected	⋯
Jimmy Ruffus Social Content Manager	$5,000 Basic Policy	● Approved	Huston, US	● Canceled	Canceled	⋯
Natalie Quest Social Content Manager	$20,000 All inclusive Policy	● Rejected	Huston, US	Rejected	Rejected	⋯
Jimmy Ruffus Social Content Manager	$5,000 Basic Policy	● Approved	Huston, US	● Canceled	Canceled	⋯

TABLES

TABLES

```html
<table>
  <tr>
    <th>Email</th>
    <th>First Name</th>
    <th>Last Name</th>
    <th>Date of Birth</th>
  </tr>
  <tr>
    <td>john@email.com</td>
    <td>John</td>
    <td>Smith</td>
    <td>29.03.1987</td>
  </tr>
  <tr>
    <td>mike@peric.com</td>
    <td>Mike</td>
    <td>Johnston</td>
    <td>29.03.1988</td>
  </tr>
</table>
```
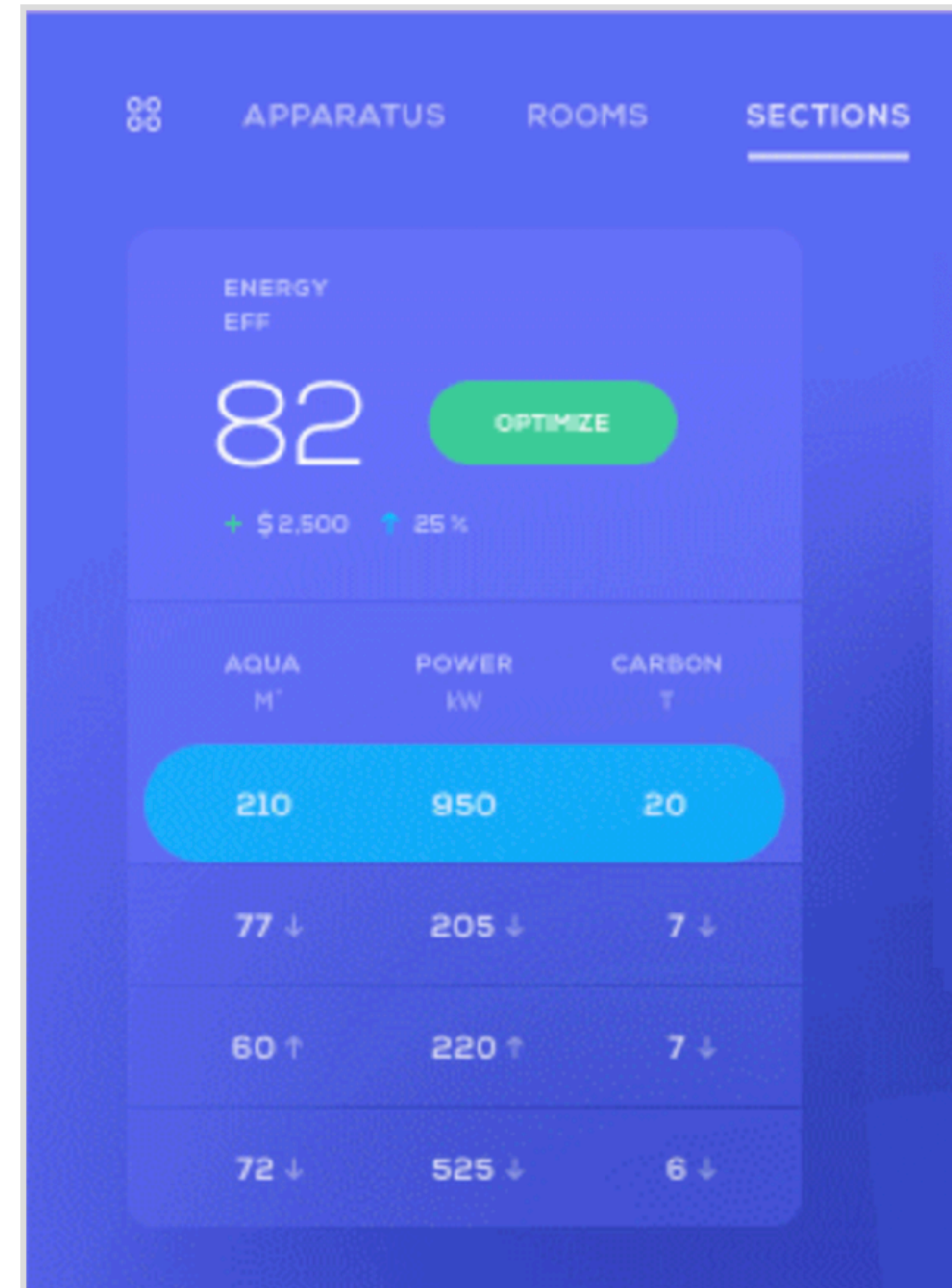
LET'S DO IT

CREATE THE COURSE ATTENDEE TABLE

AND
POPULATE WITH DATA

HOMEWORK

Each part is a difficulty level

PART 1:

Create a navigation:

Home

(our course description)

Topics

(list of classes – can find it in the repository)

Attendees

(a table of our course attendees, like here on design – first name, last name, email, date of birth)
all pages as on the design here

PART 1 STEP BY STEP:

1. Create three pages - Home, Topics, Attendees

2. Create a navigation menu on the top as **on the design** with links to these three pages and copy it on all 3 pages

3. On the Home page, below the navigation bar you need to have a title with our Course name and a short **paragraph** description of it (you can even use "lorem ipsum")

4. On the Topics page, below the navigation bar you need to have a list (it can be ordered with numbers if you like) with our course classes and the course class names

5. On the Attendees page, below the navigation bar, you need to have a table of course attendees - with columns "First Name", "Last Name", "Email", "Date of Birth" (can be random date of birth)

6. All pages should be using the same color scheme with the background and font colors too

PART 2:

At the right end of the navigation view add your First Name and Last name and Picture – the values should be inside variables, so if you change the variable, the value of the First Name or last or picture should change

It should remain there, on every page change, **but not fixed**

PART 2 STEP BY STEP:

1. On the right side of all navigations should be added two elements - one for the first name and last name of the user and the user picture <img src=""> (those should be your name and picture)

2. The way you should fill their values using JavaScript on every Page Load. So if I put my name in your variable it should change the name.

   NOTE: If its fixed value, its not going to be as a finished homework.

   HINTS:
   create three variables with values, getElementById…, value…, src…

PART 3:

On the Attendees page, below the attendees table, put a **"Add new attendee"** button. If you click it, a form should appear with fields "First Name", "Last Name", "Email", "Date of Birth", that adds an attendee to the list. When you add it, the form should disappear (display: none). Also the new attendee should stay in the table list, on page change

PART 3 - STEP BY STEP first section:

1. On the page Attendees, create a button "Add new Attendee" below the table with an onclick function.

2. Create a form below this button with inputs "First Name", "Last Name", "Email", "Date of Birth" and a form button "Add" and just a "onclick" function on it.

3. Add an attribute "style="display: none;" to the form to make it hidden (along with the second button). On the first button "Add new Attendee" make the form visible (HINT: getElementById, style… set display to block)

4. On clicking the form "Add" button, the form should be invisible with style="display: none;"

5. All the table rows should be populated from an array variable "attendees" with an array filled with values of the attendees (every persons First Name, Last Name, Email, Date of birth - random)

PART 3 STEP BY STEP second section:

6. On Attendee page load the table should be constructed form those attendees
   HINT using append. Example code

```
var table = document.getElementById("attendeeTable");
var tr = document.createElement("tr");
var td = document.createElement("td"); // if more elements, you need more td elems
var txt = document.createTextNode("some value");

td.appendChild(txt);
tr.appendChild(td);
table.appendChild(tr);
```

7. Also on clicking the form "Add" button, you should also add a table row using the HINT from above :)

8. On clicking the form's "Add" button, it should hide the form after adding the row

9. It should have the design according to the given design

THE END

OF PART SIX