

JAVASCRIPT COURSE

PART 5 - 02.11.2017.



IN THIS CLASS

- Calculator Javascript + DOM
- Understanding DOM

BEFORE WE BEGIN

Presentations and homework:

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

PREVIOUS HOMEWORK

Add and connect +/-, decimal and % calculator functionalities to the class and UI w/ HTML and CSS.

<https://dribbble.com/shots/3344091-Daily-Ui-004-Calculator>

Design

From

<https://dribbble.com/shots/3344091-Daily-Ui-004-Calculator>



HTML DOM RECAP

HTML DOM



HTML
DOCUMENT
=
BUILDING



**HTML
DOCUMENT
=
COLLAGE**



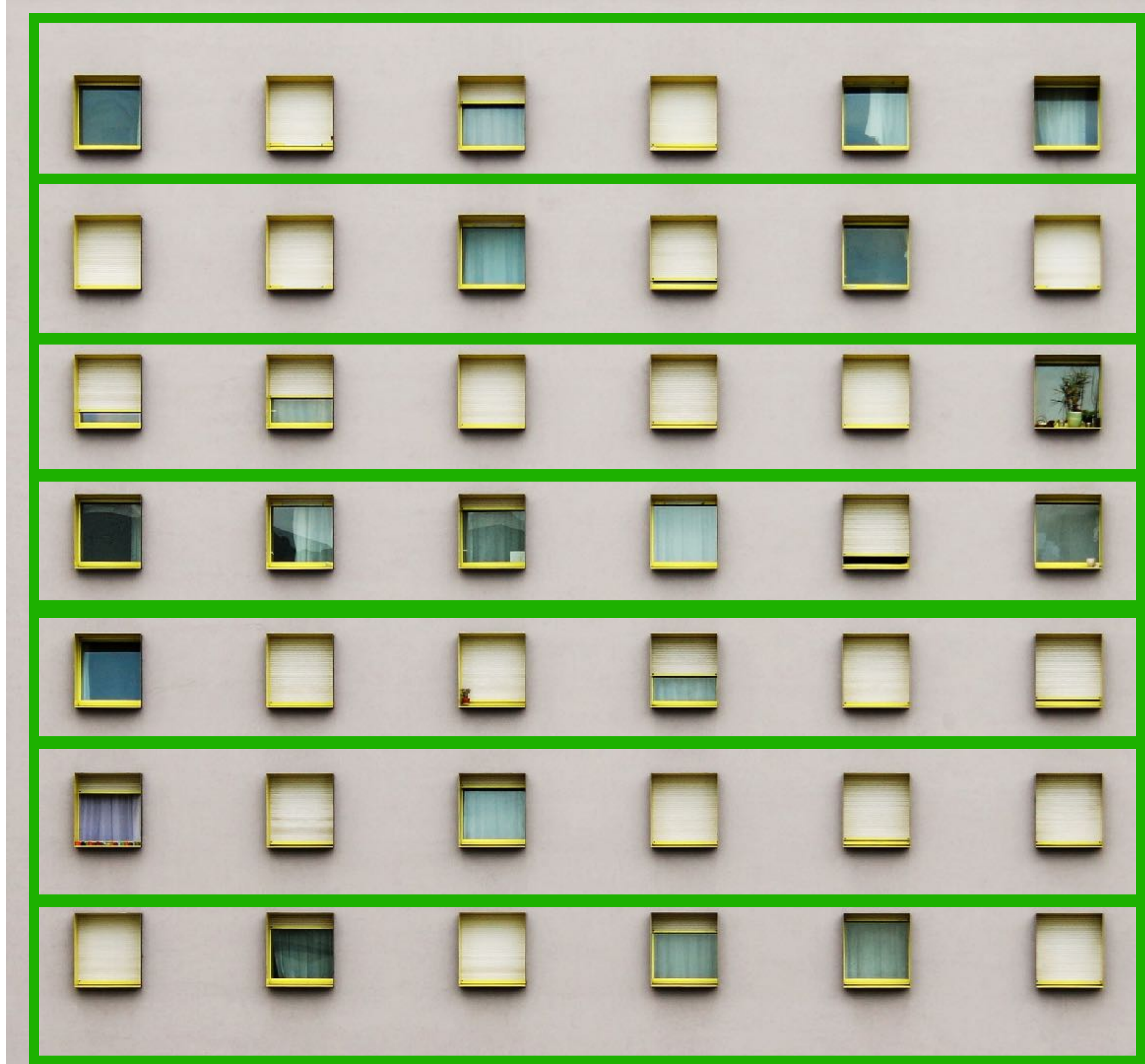
**1 DOCUMENT
HAS
MULTIPLE
ELEMENTS**



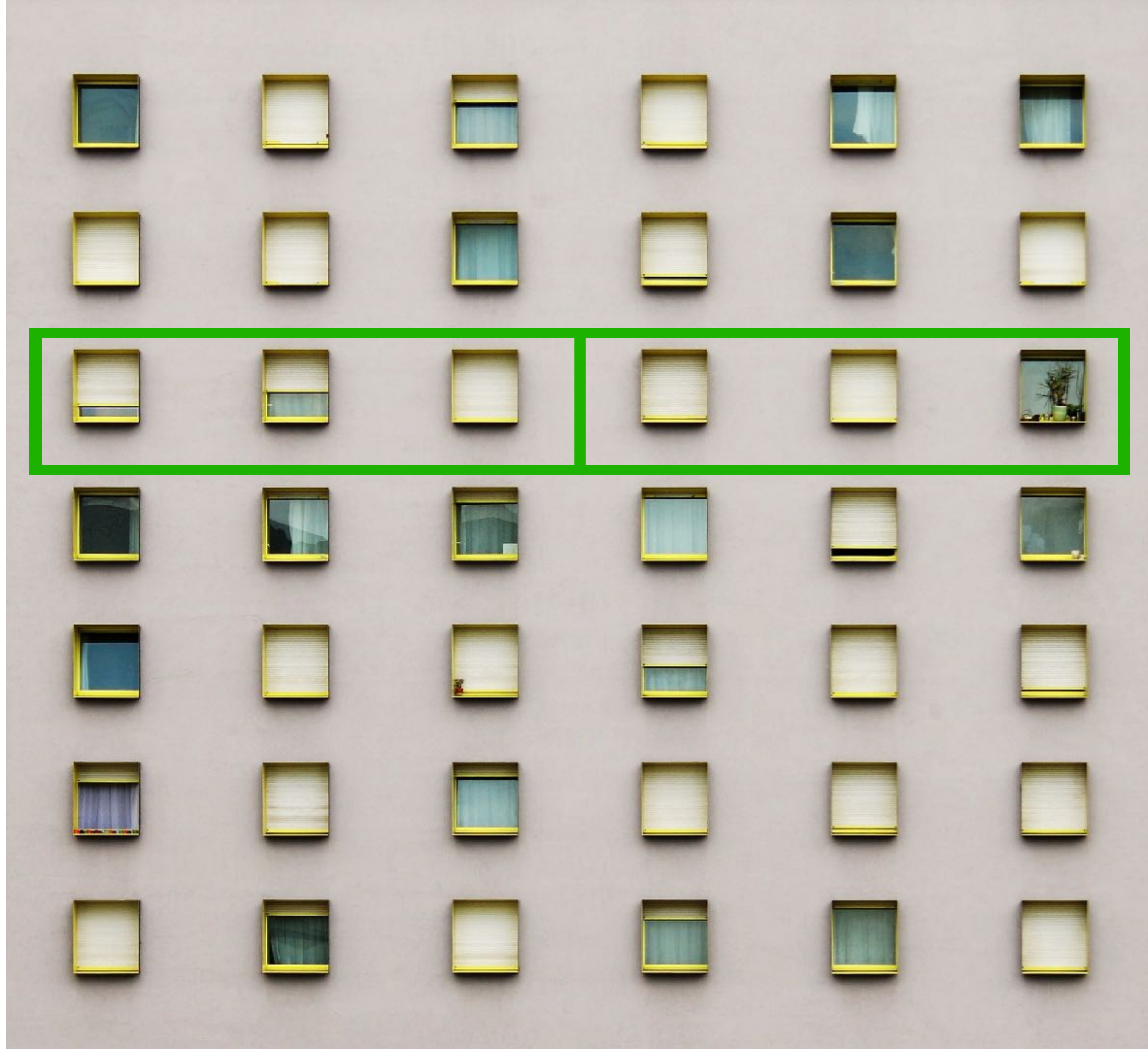
**1 DOCUMENT
HAS
MULTIPLE
ELEMENTS**



**1 BUILDING
HAS
MULTIPLE
FLOORS**



**1 FLOOR
HAS
MULTIPLE
APARTMENTS**



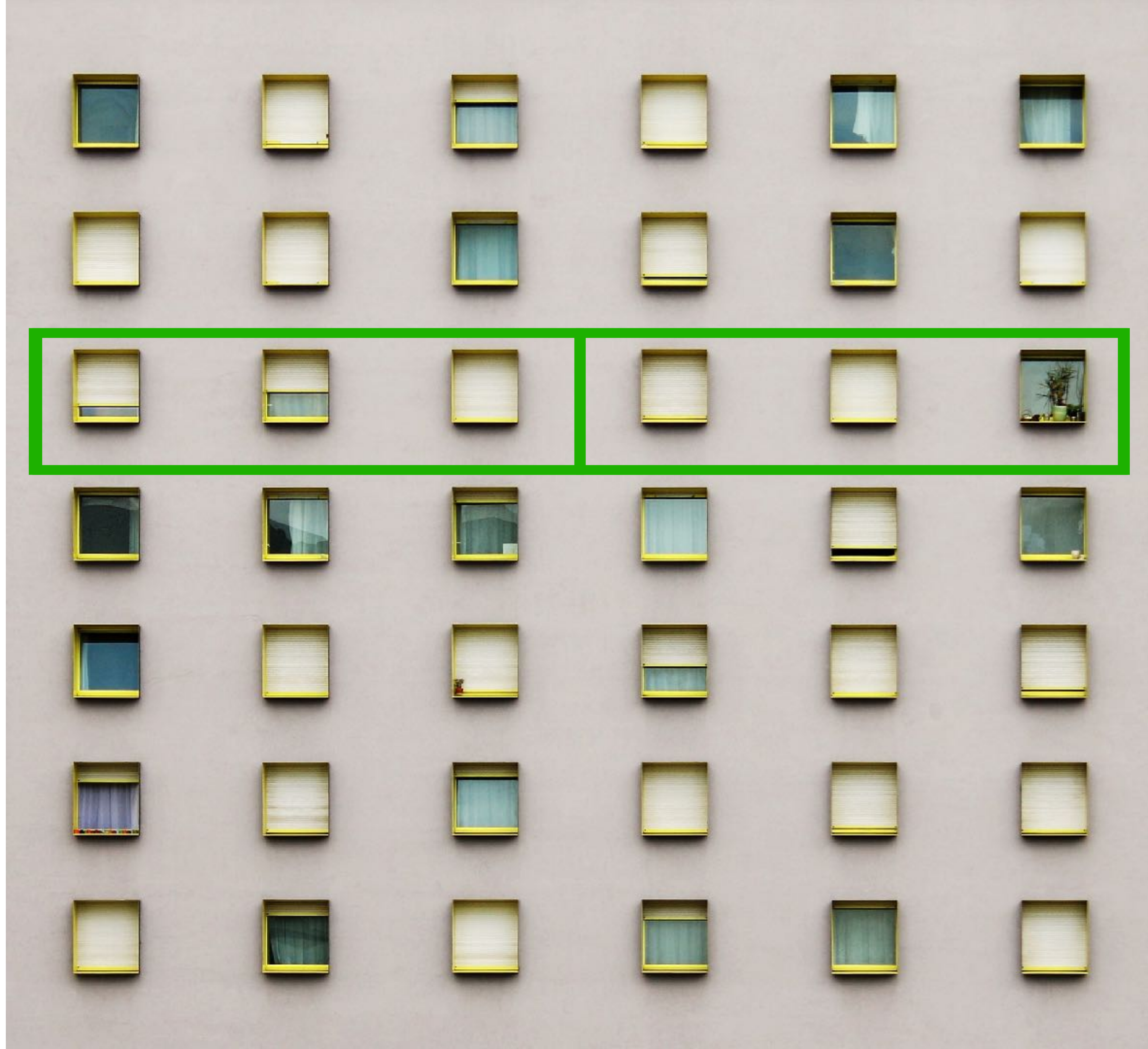
IN HTML

HTML DOCUMENT = BUILDING

ELEMENT

SUBELEMENT

**AND AS WITH
BUILDINGS,
YOU DON'T
ALWAYS SEE
EVERYTHING**



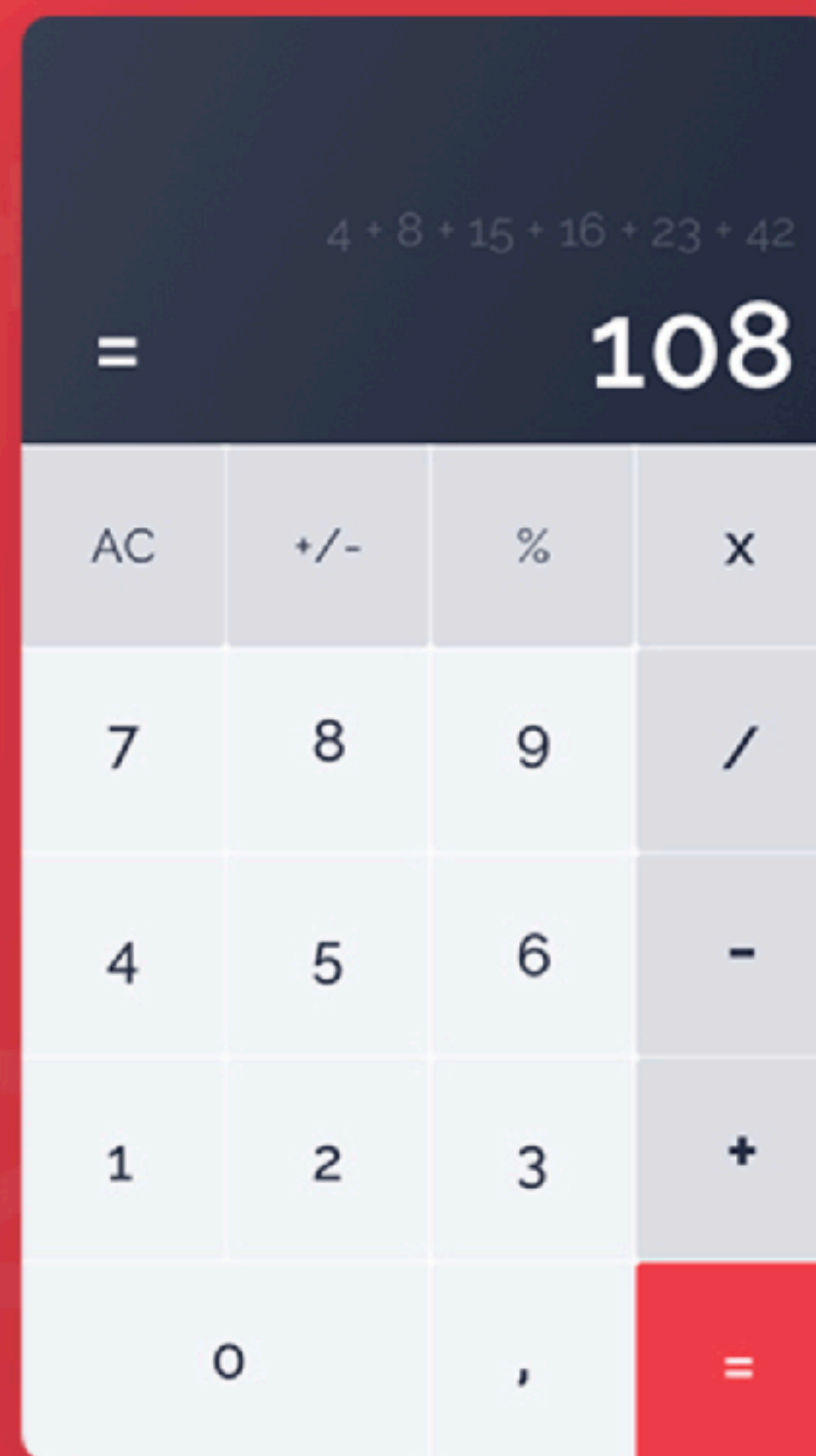
EVENT LISTENERS

```
element.addEventListener
```

```
element.removeEventListener
```

```
el.addEventListener('click', e => {  
    // Do something  
    console.log(e.target)  
})
```

LET'S CHECK THE HOMEWORK TOGETHER



Live coding on jsbin.com.

Hint:

Use Flexboxes, see
<http://bit.ly/flexbox-tricks>

Result:

<http://jsbin.com/vukuzex>

Code is submitted in the Github repository.

NOW, SOME WEB

FORMS & JAVASCRIPT

```
<!doctype html>
<html>
  <body>
    <form>
      <input type="text" />
      <button type="submit">
        Submit
      </button>
    </form>
  </body>
</html>
```

```
<form>  
  <input type="text" />  
  <button  
    type="submit">  
    Submit  
  </button>  
</form>
```

```
<form>  
  <input type="number" />  
  <input type="password" />  
  <button type="submit">  
    Submit  
  </button>  
</form>
```

- text
- number
- password
- submit
- reset
- radio
- checkbox
- button

- color
- date
- datetime-local
- email
- month
- number
- range
- search
- tel
- time
- url
- week

EVENT LISTENERS? AGAIN


```
onclick="hello()"
```

```
function hello() {...}
```

```
<form>  
  <input type="number" />  
  <input type="password" />  
  <button  
    type="submit"  
    onsubmit="hello()">  
    Submit  
  </button>  
</form>
```

LET'S DO IT

HOMEWORK

PART 1:

Fix the calculator bug

PART 2:

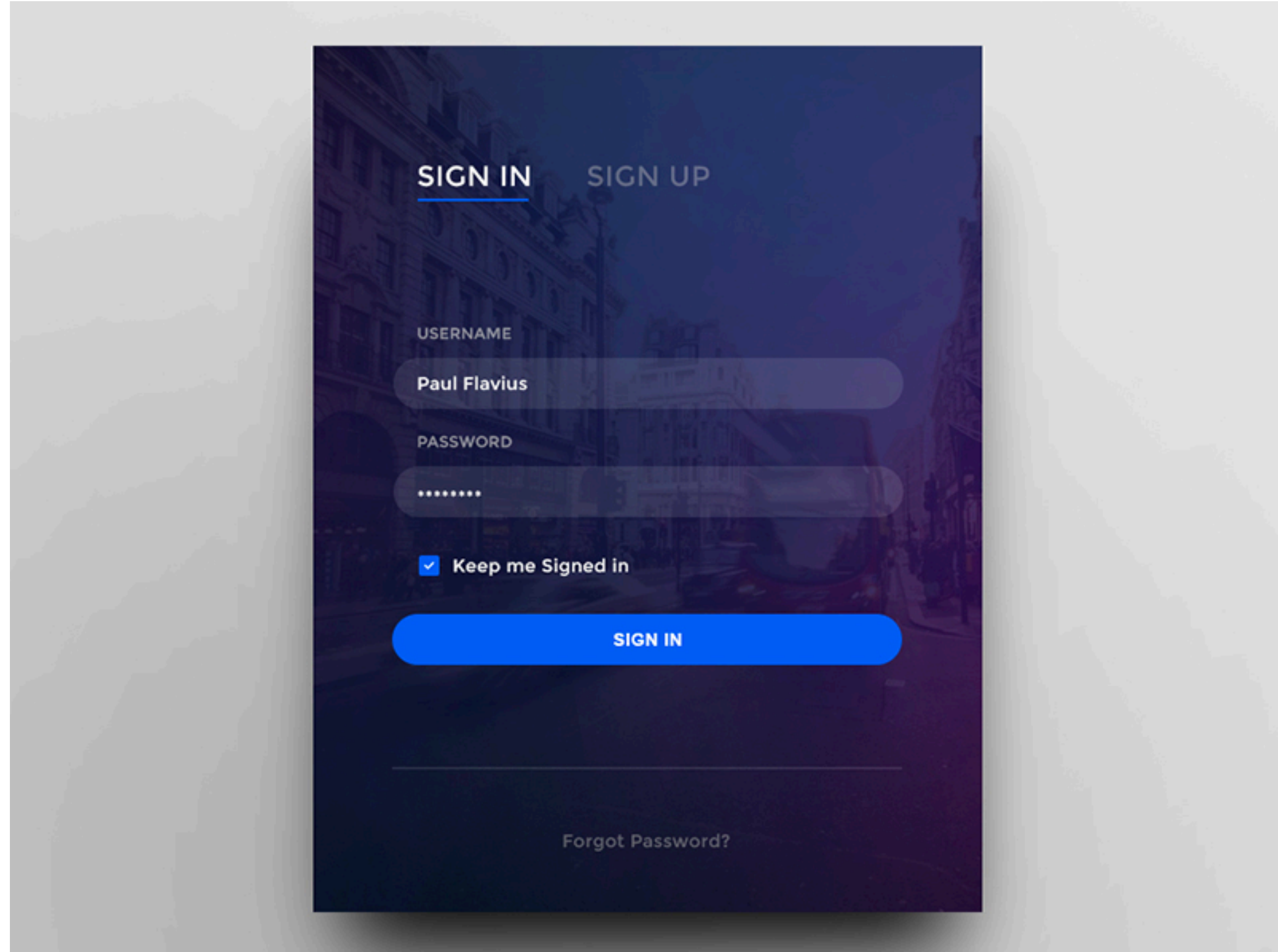
Finish the $+$, $-$, $*$, $/$ with simple 2 numbers and
an operator

simple calculator

PART 3:

Implement the Login Form

(without the sign up and forgot password sections)



THE END

OF PART FIVE