Weekly Events

Monday



UX & UI Design For 16 Entrepreneurs

Mon, Jul 16, 7:00pm Factory Berlin, Berlin Free • on Eventbrite

Tuesday



JUL ThingsCon Salon Berlin: 17 Trustmark Edition

Tue, Jul 17, 6:30pm Mozilla Berlin office, Berlin Free • on Eventbrite

Thursday



JUL Flawsome YOGA - Sunset 15 Thursdays in Volkspark Friedrichshain

Sun, Jul 15, 6:45pm Volkspark Friedrichshain, Berlin Free • on Eventbrite

Friday

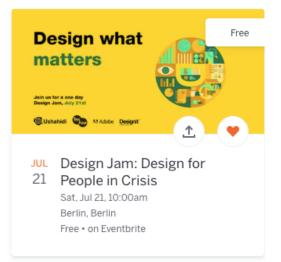


JUL Blockchain4Good: Shaping 20 Smart Sustainable Cities for

the Future Fri, Jul 20, 2:30pm Impact Hub Berlin, Berlin, Deutschland

Free • on Eventbrite

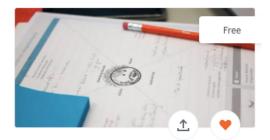
Saturday





JUL Become A Data Scientist

21 Sat, Jul 21, 4:00pm Berlin, Berlin Free • on Eventbrite



JUL 7. Crowdfunding Workshop

21 Berlin

Sat, Jul 21, 1:00pm Booster Space, Berlin Free • on Eventbrite

Journaling

I feel good about: I need more work on: Today, I am feeling:

objects
:(

Sets

Deliverables

- Understand the difference between sets and arrays
- Learn the methods and ways to iterate on sets
- Learn about Weaksets
- PRACTICE, PRACTICE, PRACTICE

Sets



*abstract data type which contains only distinct elements/objects without the need of being allocated orderly by index.

Set Array

Keyed collection

Distinct (avoid saving duplicate data)

Indexed collection
Duplicatable

How do we build them?
Can we access the index of them?

Adding and removing elements

Set

Array



setName.add()

setName.delete()

setName.clear()

arrayName.push()

arrayName.unshift()

arrayName.pop()

arrayName.shift()

arrayName.splice(0,1)

Other methods

Set Array



setName.has()

setName.size()

Iterating

```
Set

Array

{ ② , ② , ③ }

VS [ ② , ② , ⑤ , ⑤ ]

for (let item of setName) console.log(item);

setName.forEach(item => console.log(item));
```

Weaksets

```
*Only contains objects {name: "John Jones"}
       -- no {1, 2, "John Jones"}
var ws = new WeakSet();
var window = {};
var foo = {};
ws.add(window);
ws.add(obj);
ws.has(window); // true
ws.has(foo); // false, foo has not been added to the set
ws.delete(window); // removes window from the set
ws.has(window); // false, window has been removed
```

Let's play with Sets and Weaksets {}

- 1) Let's brainstorm some cases when data should be nonrepeating and distinct (and doesn't necessarily need to be orderly)
- 2) CODEPEN EXERCISES
- 3) Choose an example and make a Set of >10 items
- 4) Practice using some of the Set methods (add items to your set, delete items, check the number of items in your set, etc.) Also try using some of the Array methods and see what happens.
- 5) Convert your Set to an Array and play with some Array methods.
- 6) Iterate over your Set in two different ways (print to console please)!