Aufgabe 1

Saturday, 25. April 2020   2:36 PM
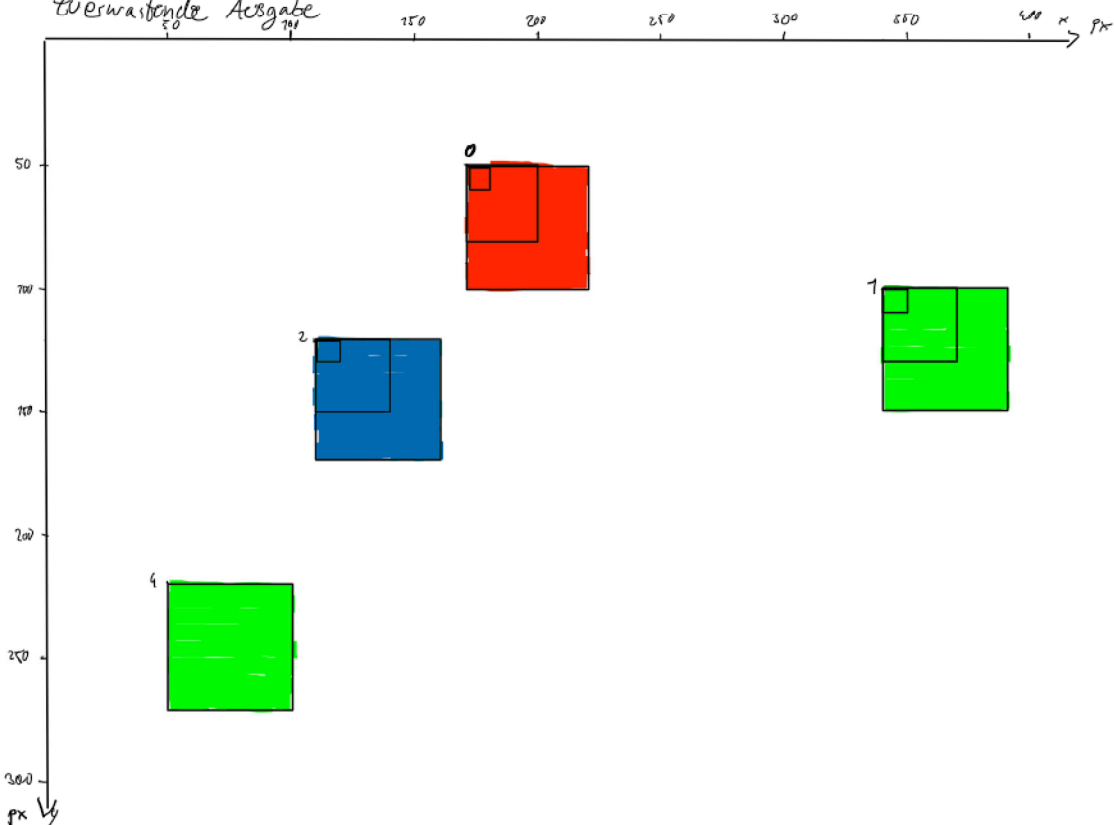
Boxes   n: number = 5   x: number = 0   y: number = 0

main   createBox

Nr.	i number	y number	x number	color string	size string	Kommentar		Nr.	_color string	_x number	_y number	Kommentar	
7	0					$0 < 5? \rightarrow$ true							
8		50				$i == 2? \rightarrow$ false	→	36	"#ff0000"			bg	ievels in
9			170			$0 + 170$		37		170		+px	"big",
12				"#ff0000"				38			50	+px	"medium", "small"
24					"big","medium"								
25					"small"	create Box ×3							
26						$i == 4 \rightarrow$ false							
7	1					$1 < 5? \rightarrow$ true	→	36	"#00ff00"			bg	ievels in
8		100				$i == 2? \rightarrow$ false		37		340		+px	"big","medium",
9			340			$170 + 170$		38			100	+px	"small"
16				"#00ff00"									
24					"big","medium",								
25					"small"	create Box ×3							
26						$i == 4 \rightarrow$ false							
7	2					$2 < 5? \rightarrow$ true	⟹	36	"#0000ff"			bg	— " —
8		120				$i == 2? \rightarrow$ true		37		110		+px	
9			110					38			120	+px	
21				"#0000ff"									
24					— " —								
25						create Box ×3							
26						$i == 4? \rightarrow$ false							
7	3					$i < 5? \rightarrow$ true							
8		170				$i == 2? \rightarrow$ false							
9			280			$170 + 870$							
19						continue							
7	4					$i < 5? \rightarrow$ true							
8		220				$i == 2? \rightarrow$ false							
9			50										
16				"#00ff00"									
24					"big	createBox	→	36	"#00ff00"			bg	nur
25						$i == 4? \rightarrow$ true, break	←	37		50		+p	"big"
26						$5 > 5? \rightarrow$ false, break		38			220	+px	
7	5												

Zuerwartende Ausgabe

Activity Diagramm

main

```
n : number = 5
color : string
x : number = 0
y : number = 0
```

```
i : number = 0
```

[i<n]

[i×2]   [i==2]

(y = y+50)   (y = y+20)

i++

(x = (x+170) % 400)

[j==3]

[i==0]

[i==1] oder
[i==4]

```
color =
#ff0000
```

```
color =
#0000ff
```

```
color =
#00ff00
```

[sonst]

```
size["big",
"medium", "small"]
```

```
Create Box
()
```

i<4

[i==4]

i++

---

create Box

```
_color : string
_x : number
_y : number
_size : string
```

(create div)

(add _size)

(_color)

(_x + "px")

(_y + "px")