

## Lecture #17 Reactive DSL

### Continuation - Passing - Style.

JavaScript  $\rightarrow$  non-preemptable

A Fix : parametrized functions

$f_1() \Rightarrow \dots f_2()$

$f_2() \Rightarrow \dots f_3()$

$\dots$

$\Rightarrow$   $f_1(k) \Rightarrow k()$   
 $f_2(k) \Rightarrow \dots k()$

$k$ : continuation.

$\rightarrow$  when function call continuation.

CPS program never ends

except at the end.

$C = \text{seq}(f_1)(f_2)(f_3)(f_4)(f_5)(f_6)$

$C() \rightarrow f_1() f_2() \dots f_6()$