

REST

HTTP

WRFC

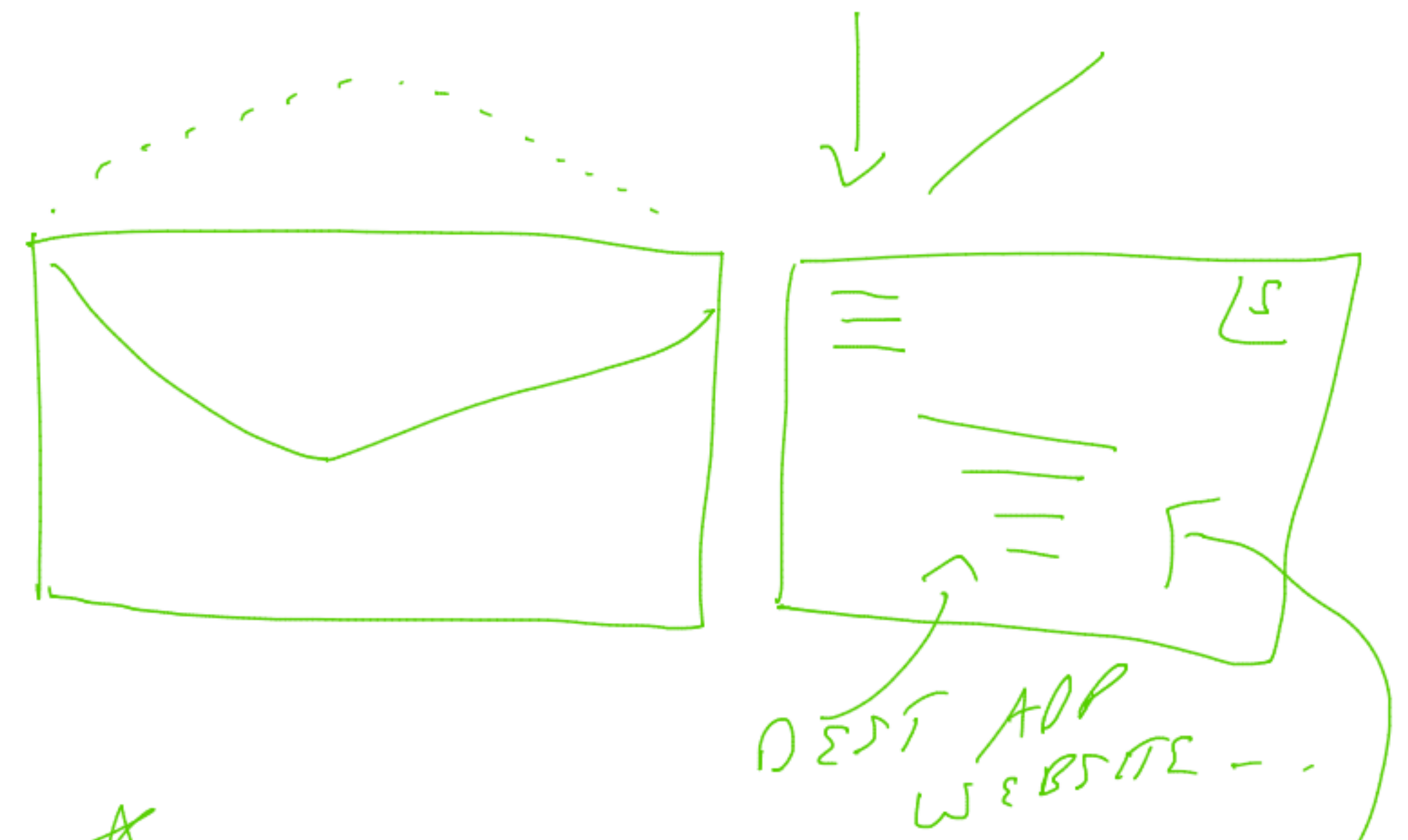
GET  
POST  
PUT  
PATCH  
DELETE

GET\*  
POST\*

HTTPS



R.A. HEADERS



\*  
GET = (?x=? &a=b)  
POST = (x=? &pw=safe&...)  
JSON / QS / MP







# HASH TABLE

ARRAY FIND  $\Rightarrow O(N)$

HT FIND  $\Rightarrow O(1)$  (BAN)

{

1: "JOHN"

2: "CATHERINE"

}

JOHN = 1

HASH = #

$$(S123)$$

# LINKED LIST



HT  
KEYS  $\rightarrow$  HASHED INTO #

BUCKETS TO STORE KEYS

JOHN  $\rightarrow$  1

CAT - 2

ZACH - 2



1: JOHN

2: CAT  $\rightarrow$  ZACH

3:

]

NEW HT(x)

"# , 024"

(4,000

LL DUPLICATES?

