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API

* WRRC
  INFO
* CONTRACT
  HOW IT WORKS
  INSTRUCTIONS

CODE API

$f(p, p) \rightarrow \{\}$

"FUNCTIONAL"

(1) THINK WELL → CONSISTENT

DATA API ∈ ? INFO THROUGH ?

→ { } SHAPE

1/1

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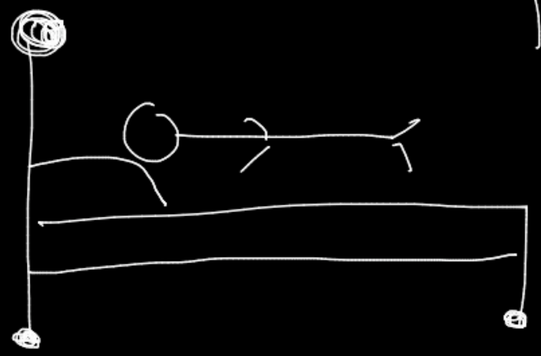

REST

REPRESENTATIONAL
STATE
TRANSFER

RE: SHAPE/RULES

STATE: DATA AT A TIME

TRANSFER: MOVEMENT

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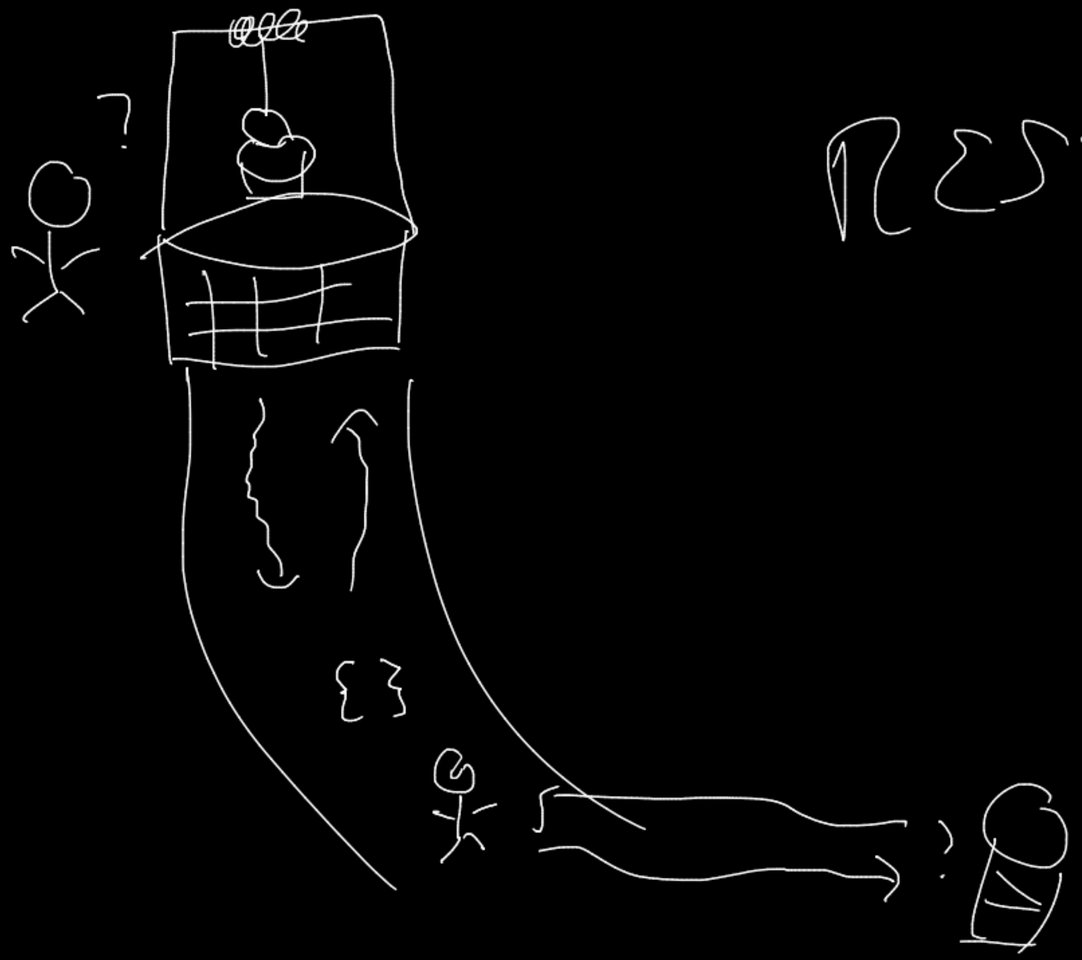
STATE → Full (LESS)

RESTful APIs



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GOOGLE MAPS
(LOCATION

ZELP
TRAILS
MEETUP
STOCKS
PETS

BROWSER

"POST"

REST

POST 1:1

GET 1:1

"POST" [PUT / PATCH
DELETE

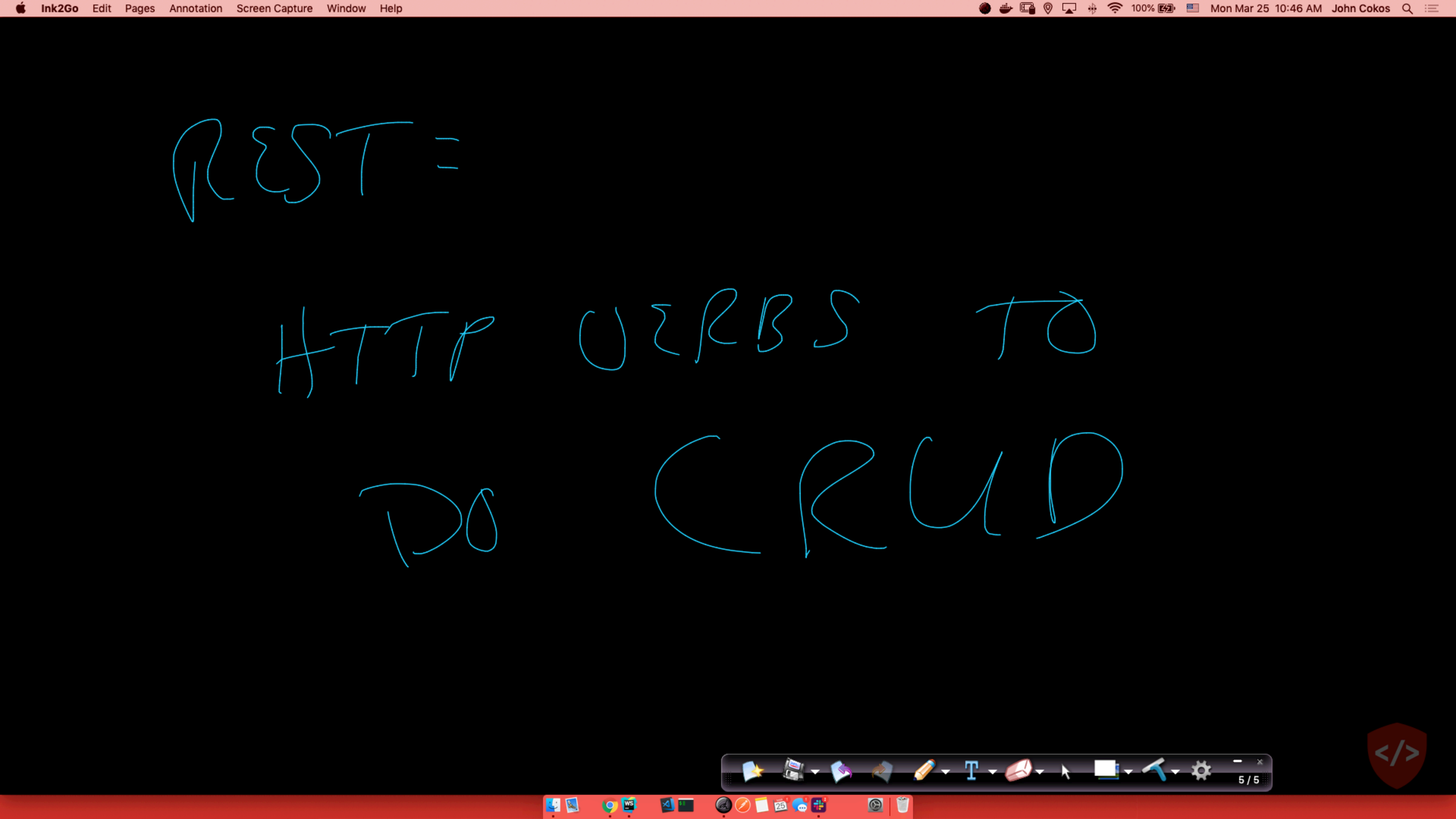
CRUD

POST ← CREATE

GET ← READ

PUT / PATCH ← UPDATE

DELETE DESTROY


REST =
HTTP VERBS TO
DO CRUD

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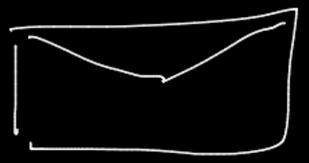
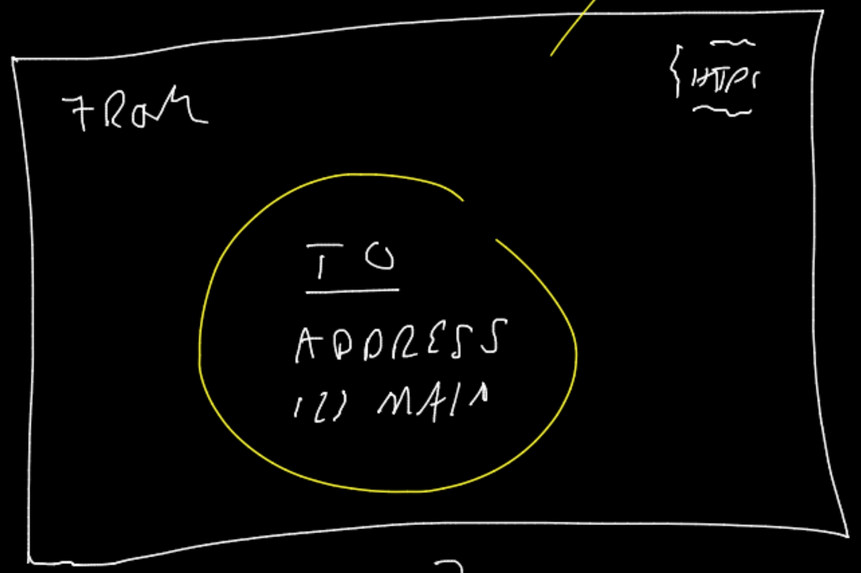
GET

HTTPS://

POST



{ - }
JSON
XML
STRING



GOOGLE.COM?q=700

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REST

VERBS

HTTP

PROTOCOL

HTTP://LOCALHOST/API/UI/STUFF

REQ: RESOURCE

GET: /API/UI/STUFF/17

DELETE OR PUT OR PATCH

/API/Ux/STUFF/17

POST: /API/Ux/STUFF

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API CONTRACTS

GET /:

```
{
  COUNT: #
  PREV: ADDRESS
  NEXT: ADDRESS
  RESULTS: [
    {
    },
    {
    },
    {
    }
  ]
}
```

POST → { _, _, _ }

← { _ID: _, ... }

_ROWID

PUT/PATCH → { ID: #, ... }

← { COMPLETE OBJ }

DELETE: { }

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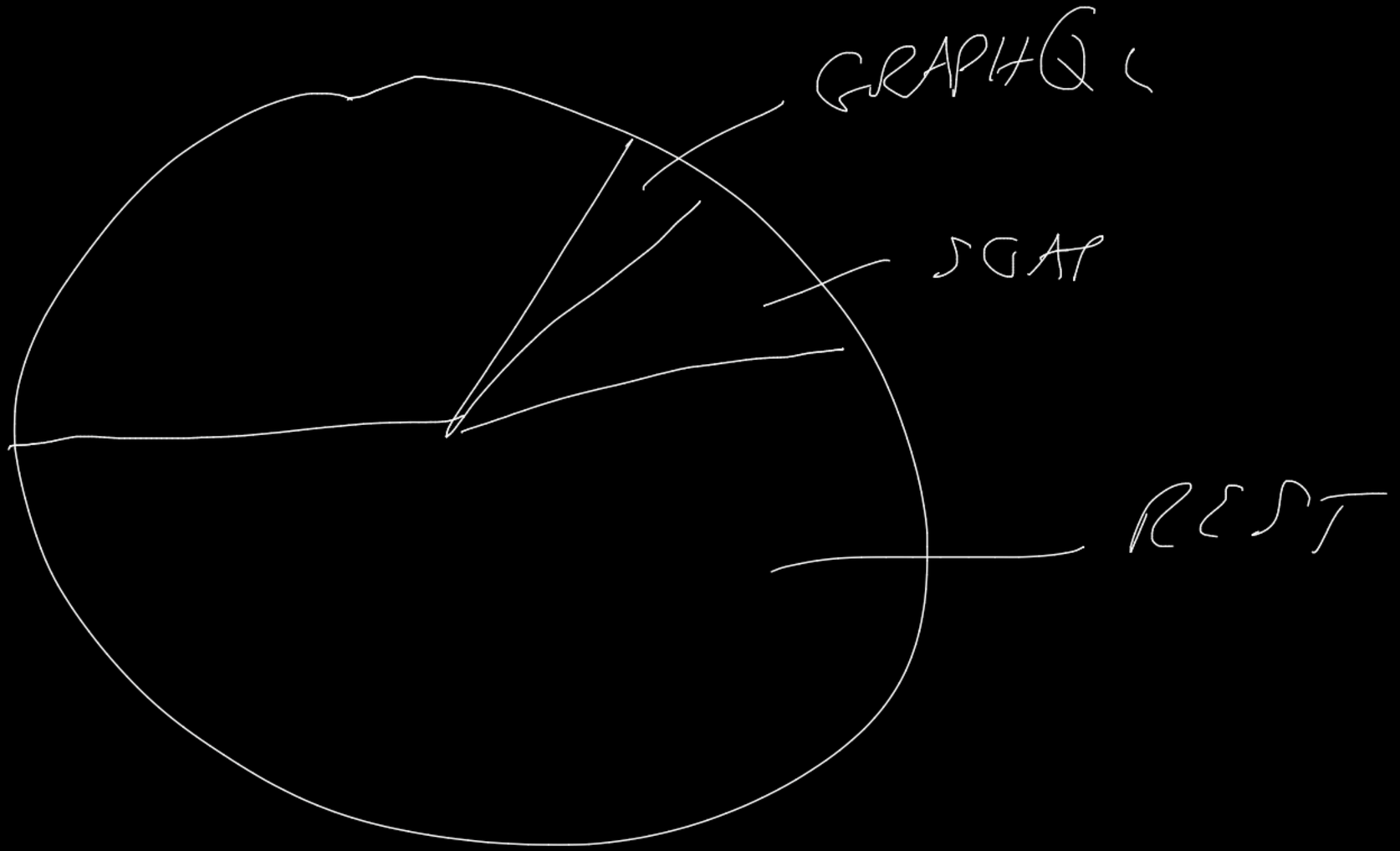

Blackboard

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