

7/20/18

## CANDY - Why MICROSERVICES?

- ★ INDEPENDENT SCALING FROM OTHER COMPONENTS OF THE SYSTEM
- ★ FREQUENCY OF CHANGE AND A CYCLE FOR CONTINUOUS DELIVERY. SOME SERVICES ARE EXPECTED TO STAY STABLE WHILE OTHERS TO BE UPDATED FREQUENTLY.
- ★ ~~COUPLED~~ SEPARATION OF TECHNOLOGY NEEDS - ~~DEPENDS~~. IF SVC X IS EASIER TO WRITE w/ GO AND Y WITH JAVA THEN ~~DO~~ THAT'S WHAT I DID
- ★ BROKEN OUT TO ASSIGN TO AN INDIVIDUAL OR TEAM. → IF I GET HELP AND A COMMUNITY.

## CANDY - Why NOT MICROSERVICES?

- ★ NETWORKS ARE SLOW AND WILL FAIL. THIS CAN BOTTLENECK WHEN SVCS ARE TOO SMALL.

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## CONTEXT DIAGRAM



# UX

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★ MOBILE

★ WEB - FULLSCREEN / SLIM

★ CLI TOOL?

★ VS CODE  
PLUGIN?

CLEAN,  
MINIMALIST w/  
COLORS.

## WHY USE IT?

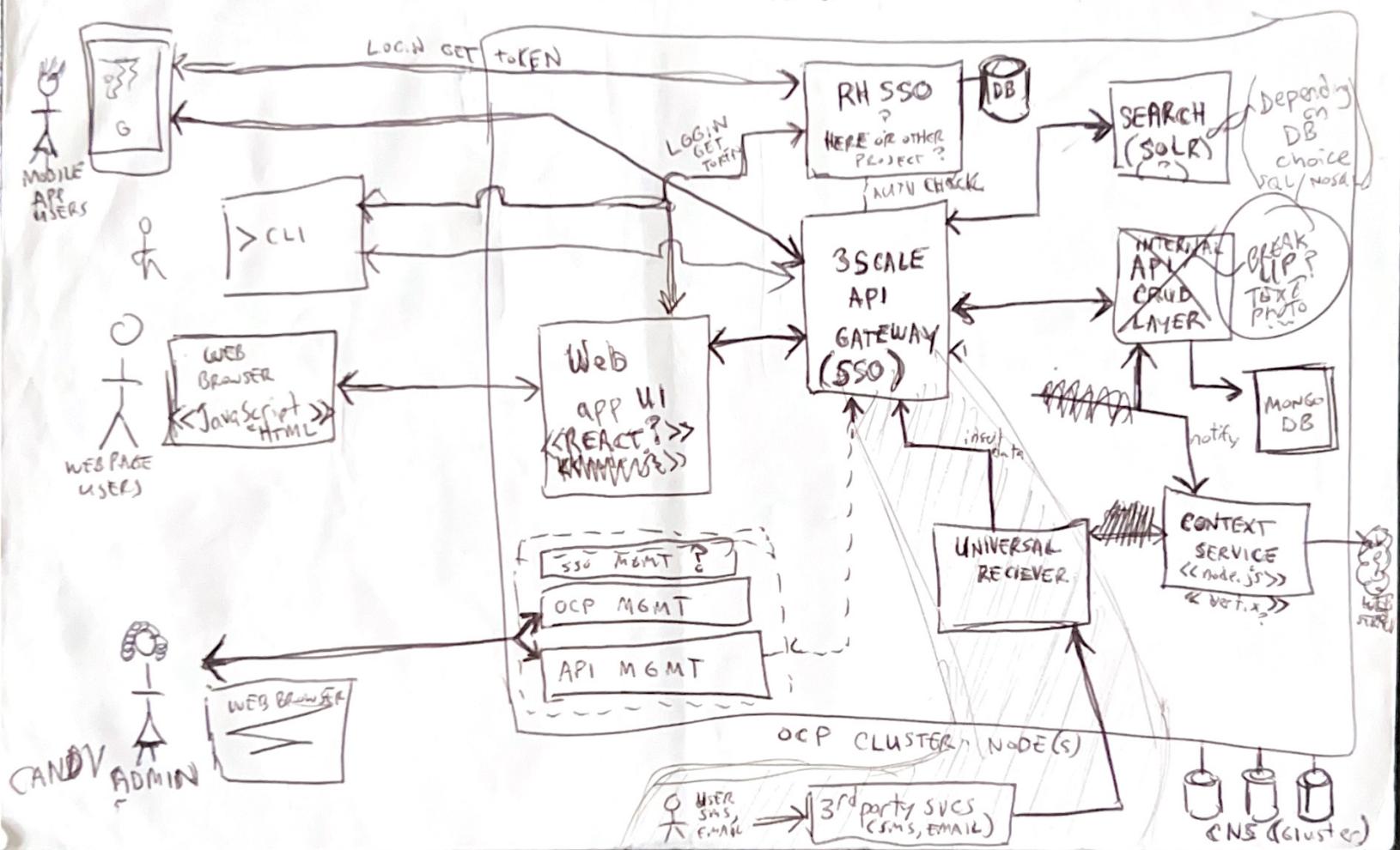
- COLLECT TEXT AND STORE FOR LATER
- ~~TEMPORAL~~ SESSIONS WHERE I COLLECTED ALL THESE THINGS DOING SOMETHING-SOMETHING LIKE RUNNING A WORKSHOP, ~~COULD BE SOME PROJECT~~, VACATIONING...
- LONG LIVED SESSION THAT ARE BROKEN UP OVER TIME - CODING A PROJECT
- SECURE STORE AND GIVE ACCESS TO INDIVIDUALS OR GROUPS

CAN THE APP INFERR  
THIS?  
WHAT IS PWD?

## UX CHALLENGE

- HOW TO GROUP THINGS WITHOUT FORCING THE USER TO DO A LOT OF MANUAL WORK: CATEGORIZE, TAG, SORT, PRESENT...

# COMPONENTS (3SCALE OPTION)



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# DATA SCALE / STORAGE

TYPICAL TEXT = "OC scale arr ---  
(CLI) n 50 characters of ASCII

TYPICAL TEXT = " \_\_\_\_\_  
(WEB CLIP) \_\_\_\_\_  
\_\_\_\_\_ ?

n 10 2100 char = 1000  
chars

iPhone  
PAID RECEIPT =  
SM/MO/LG/FULL  
34.9 KB / 104 KB / 782 KB /  
2.6 MB

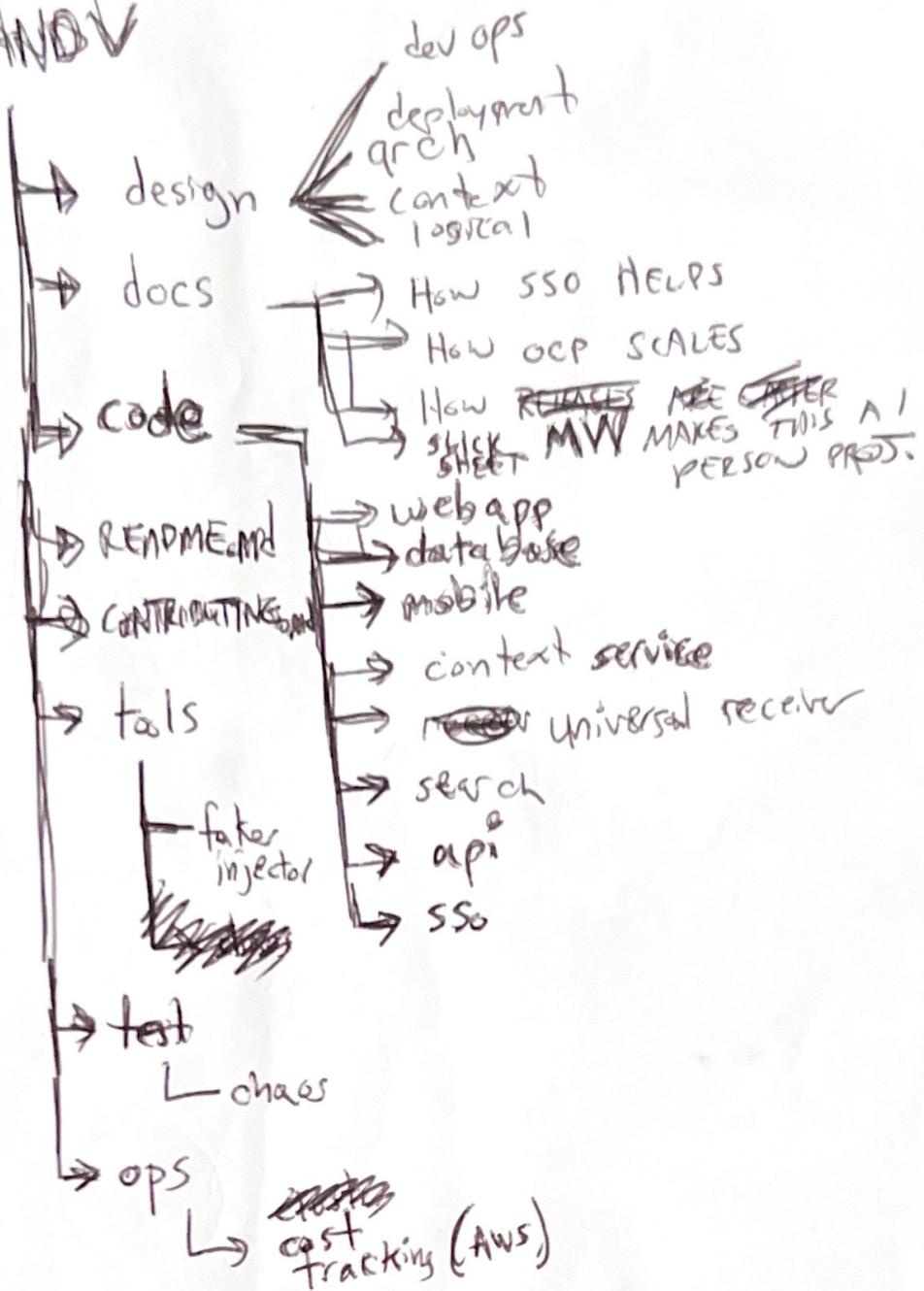
~~RECEIPT~~  
PAID SCREENSHOT =  
PARTIAL / FULL

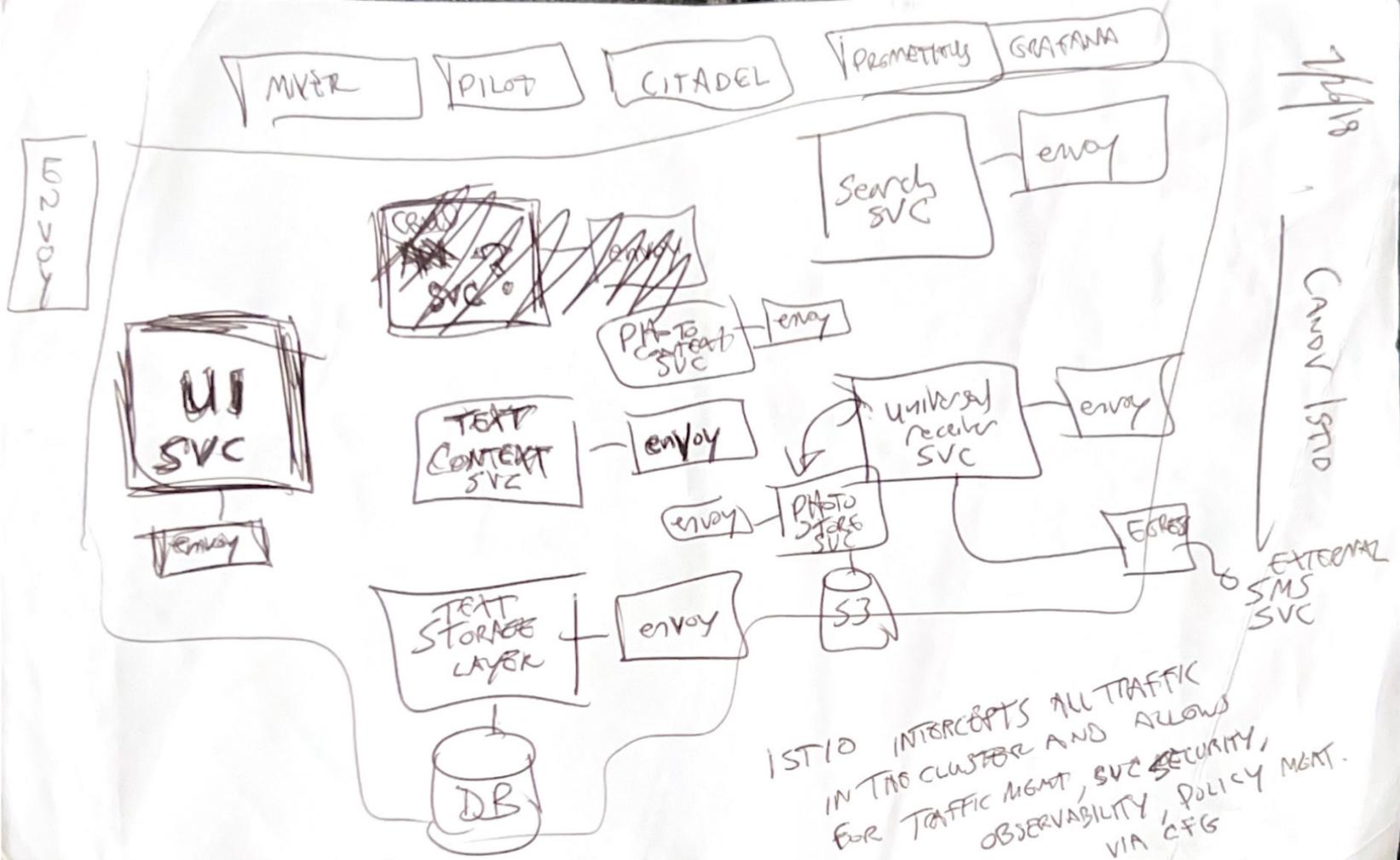
AUDIO  
VOICE MEMO =

AUDIO  
SONG CUP =

SCALE CHALLENGE : DOES THE IMPORTER IMPOSE  
LIMITS ?

# CANDV





## CONTEXT SERVICE (PRO FEATURE)

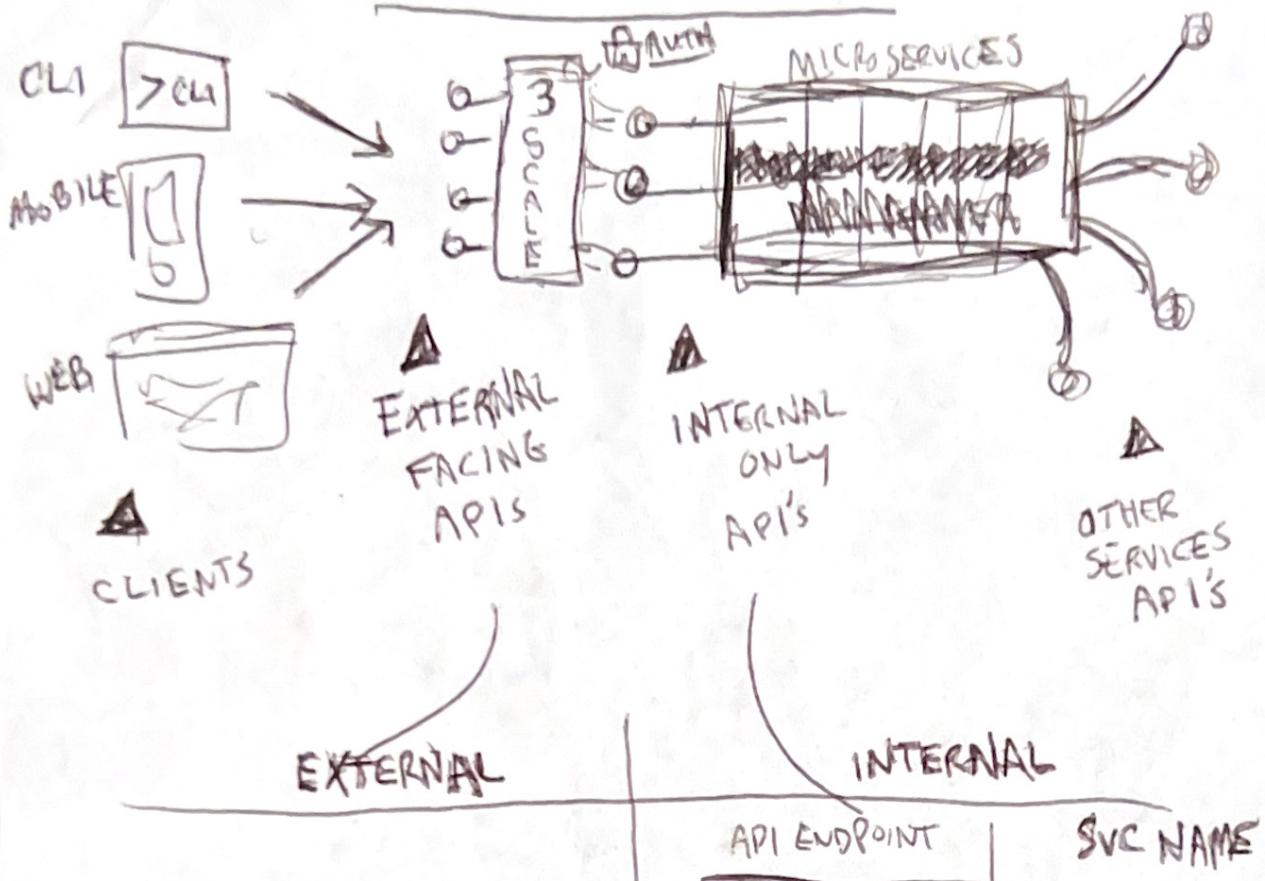
API  
Mgmt  
TO FEDERATE  
ACCESS



S  
✓  
C

# API DESIGN (3 SCALE OPTION)

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CHALLENGE:

REST BASED?  
GRAPHQL?  
STREAMING? } AND WHY?

# ID SERVICE

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CLASSIFY  
TEXT

~ ~~TEXT CLIP~~

STAGE 1

BOOK  
RECIPE

STAGE 2

- KEYWORDS
- DATES
- CURSE WORDS
- NAMES

CLASSIFY  
PHOTO

~ PHOTO

PET  
FACE  $\Rightarrow$  SEARCH  
GROUP OF PPL (FACES)  
QR CODE  $\Rightarrow$  DECODE  
TEXT  $\Rightarrow$  OCR  
BARCODE  
LANDSCAPE  
ART  
FOOD

CLI  
COMMAND



STAGE 2

- DATES
- KEYWORDS
- ETC.

① CLASSIFY, ② GATHER  
RELATED,

PROVIDE EXTRA AND USEFUL  
INFO ③ INSIGHTS,

④ AUTOMATE ACTIONS AROUND IT

