

Fix Your Strings!

Francesco Tisiot



Francisco
Frankco
Fransiscos

Tisio
Tisiotto
Tissiott
Tizio

@ftisiot | @aiven_io

Francesco

I come from Verona
and I like football
and good food

Strings

- books
- stars
- computers

1200\$

25-Jan-2023

[illegible]

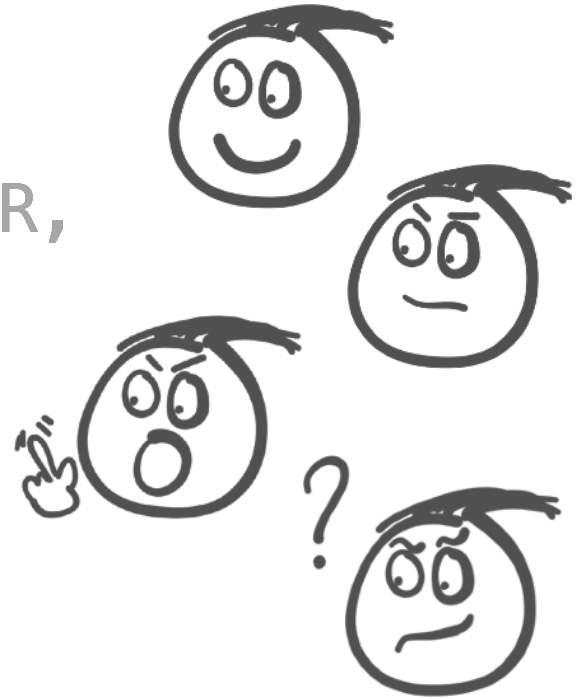


I'm Francesco,
a table for 2
Please



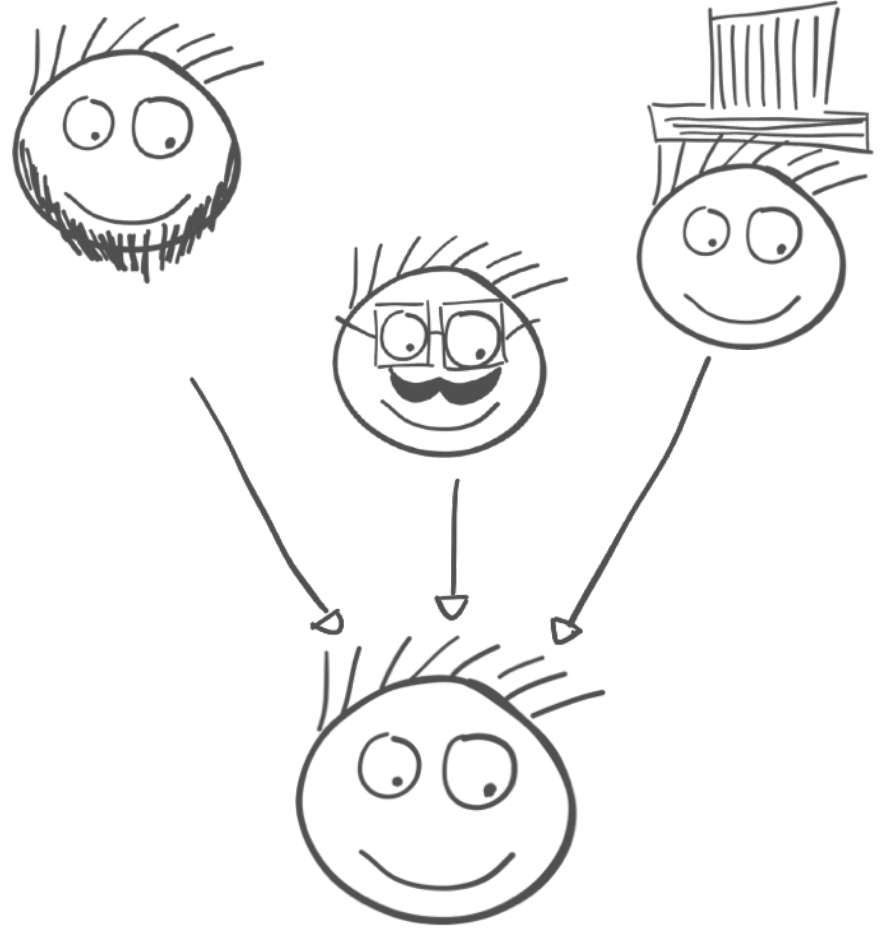
Ok
Fransisco

```
CREATE TABLE MY_RESTAURANT_DATA  
(  
  ID SERIAL,  
  CALLER_NAME VARCHAR,  
  CALLER_SURNAME VARCHAR,  
  EMAIL VARCHAR,  
  PHONE_NUMBER VARCHAR,  
  BOOKING_DATE VARCHAR,  
  INTERESTS VARCHAR,  
  PEOPLE VARCHAR  
);
```



id	caller_name	caller_surname	email	phone_number	booking_date	interests	people
1	Francesco	Tisiot	francescotisiot@email.com	+39 444-555-666	25/10/2023	football, pinot noir, tagliatelle	5
2	Francisco	Tisiötto	ftisiot@email.com	+39 444-555-6A6	10-05-2023	football; pinot noir; tagliatelle	4+1
3	Fransesco	Tisjo	francesco.tisiot\$email.com	444555666	2023-10-30	football-pinot noir-tagliatelle	4🤔 1🤔
4	Francèsko	Tizzjoti	ftisiot@aivenio	44 555666	2023-Nov-31	footballpinot noirtagliatelle	1+4
5	Francesco	Tissoppo	francesco.tisiot@aiven.io	2023-Oct-24	444 555666	[football,pinot noir,tagliatelle]	55

How can we fix?



Unique Identifier

ascii

different
accounts

symbols

e-mail

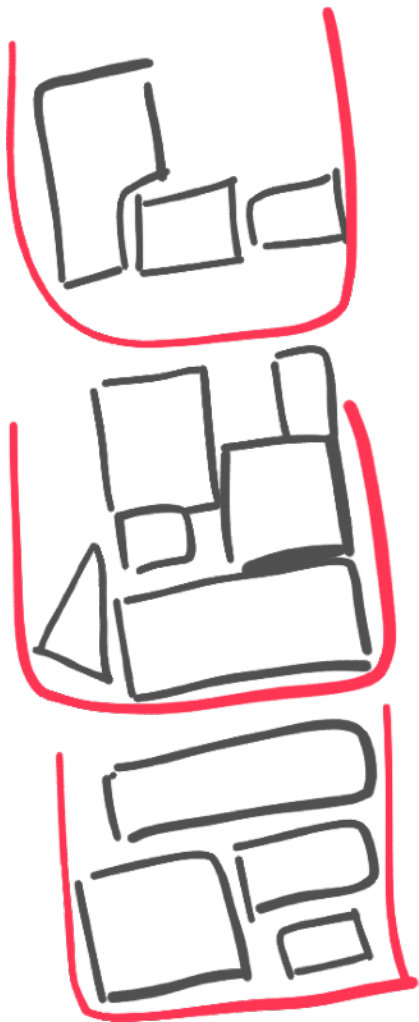
parsable

group accounts

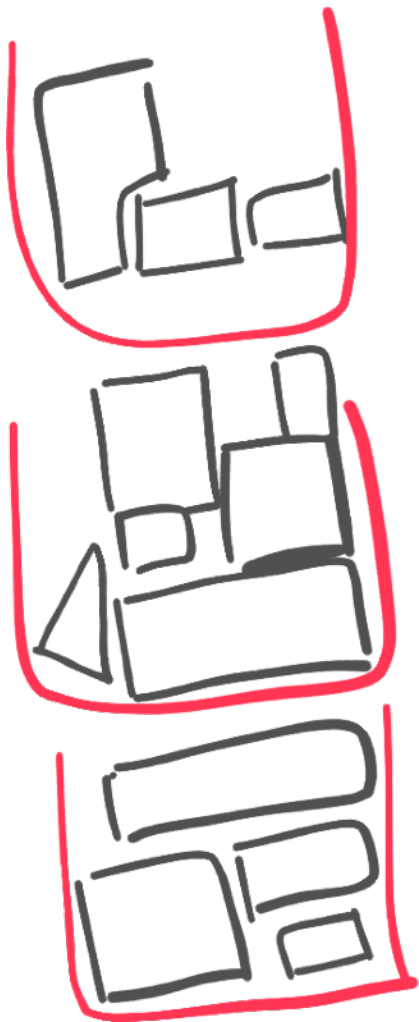
reassigned



**Entropy
Never
Decreases**



Avoid Future Chaos



From Chaos To Order

Fix Your Strings

– Array Functions

<https://www.postgresql.org/docs/current/functions-array.html>

– Date Functions

<https://www.postgresql.org/docs/current/functions-datetime.html>

– Pattern Matching

<https://www.postgresql.org/docs/current/functions-matching.html>

– Domain

<https://www.postgresql.org/docs/current/sql-createdomain.html>

– Email Domain

<https://bit.ly/3ol6yfr>

– Unaccent

<https://www.postgresql.org/docs/current/unaccent.html>

– FuzzyStrMatch

<https://www.postgresql.org/docs/current/fuzzystrmatch.html>

– Aiven 

<https://aiven.io/>

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Resources



<https://github.com/ftisiot/fix-your-strings>

<https://ftisiot.net/talks/fix-your-strings/>

