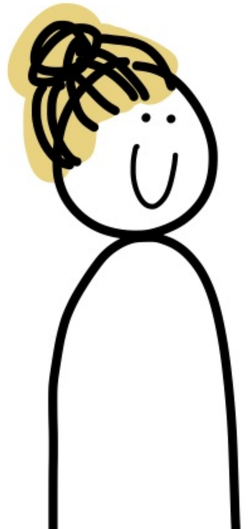
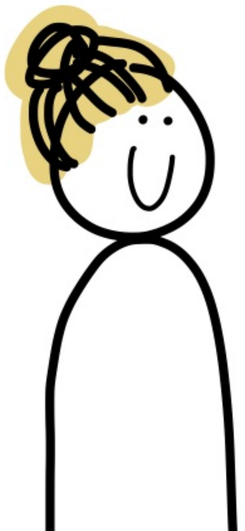
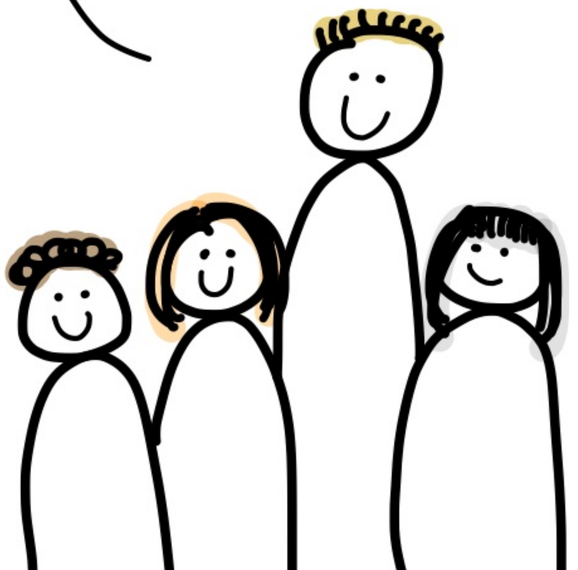
How to get better at naming things?



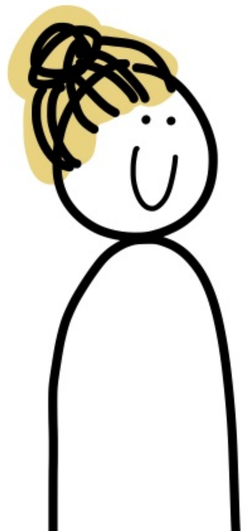
@Felienne

How to get better at naming things?

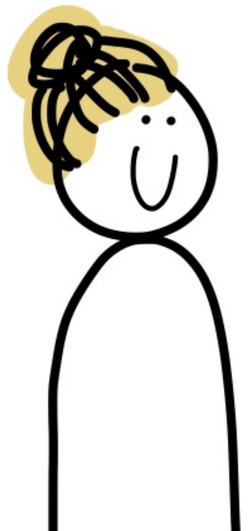




Names have contents and form

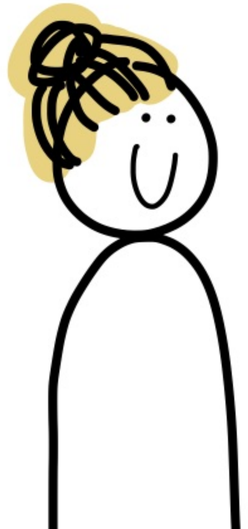


Names have contents and form



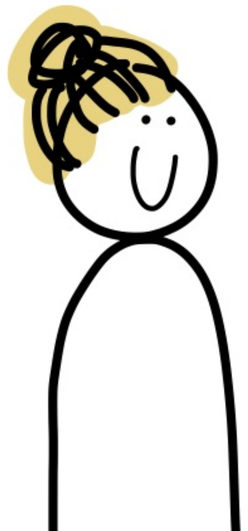
Names have contents and form

is name



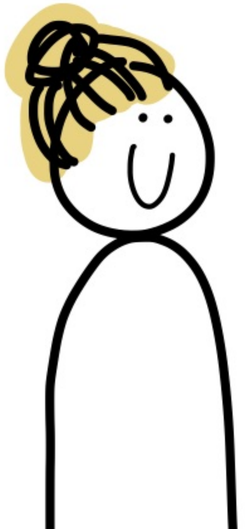
Names have contents and form

isName()



Names have contents and form

is_name()



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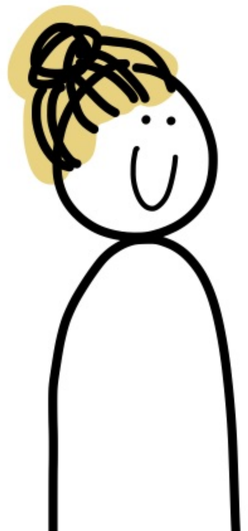


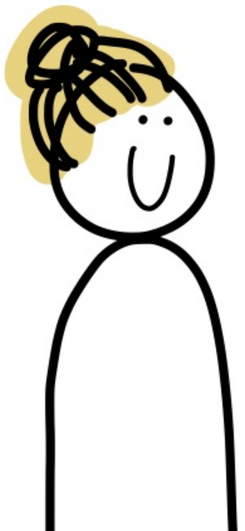
Code smells:

Code smells:

long method,

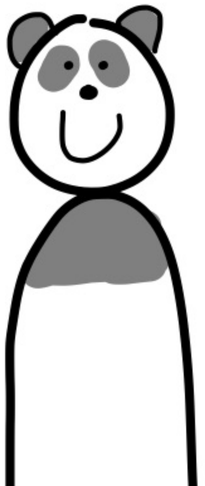
long parameter list

Linguistic smells:

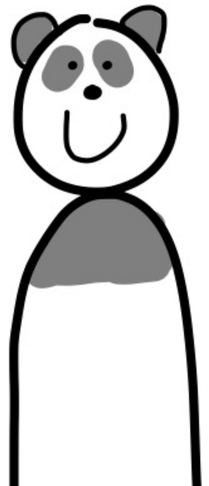


Linguistic smells:

```
def isValid(eid)
```

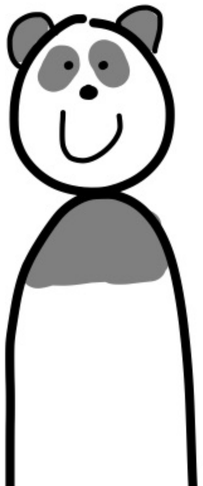


Participation Panda

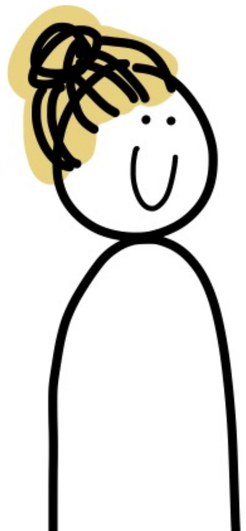


Return type?

```
def isValid(eid)
```

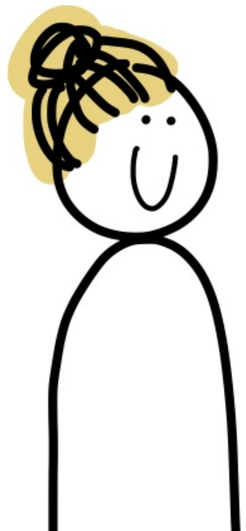


Linguistic smells:



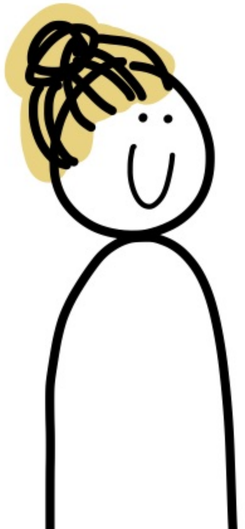
```
def isValid(eid):

    return    True
```

Linguistic smells:



```
def isValid(eid):
    iid = convert(eid)
    return iid, True
```

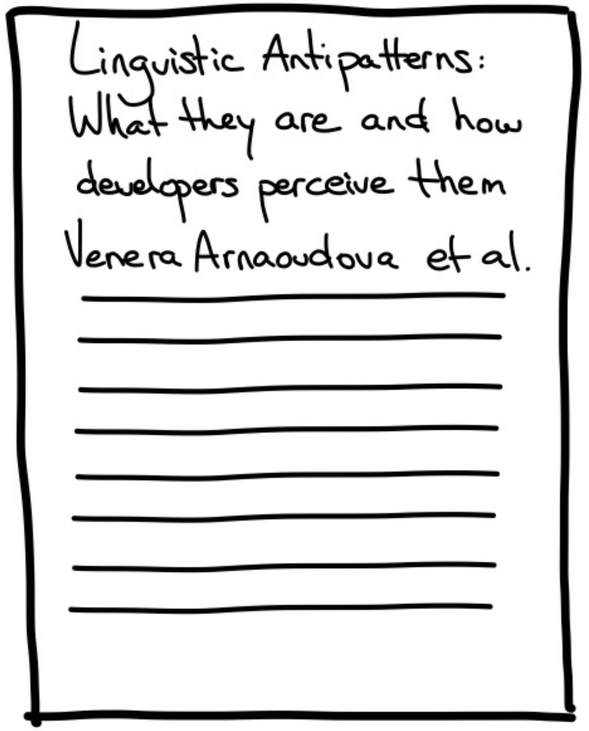
Six different Linguistic smells:

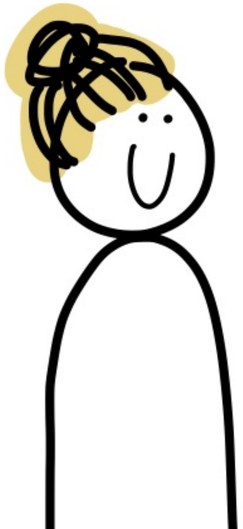


Linguistic Antipatterns: What they are and how developers perceive them

Venera Arnaoudova et al.

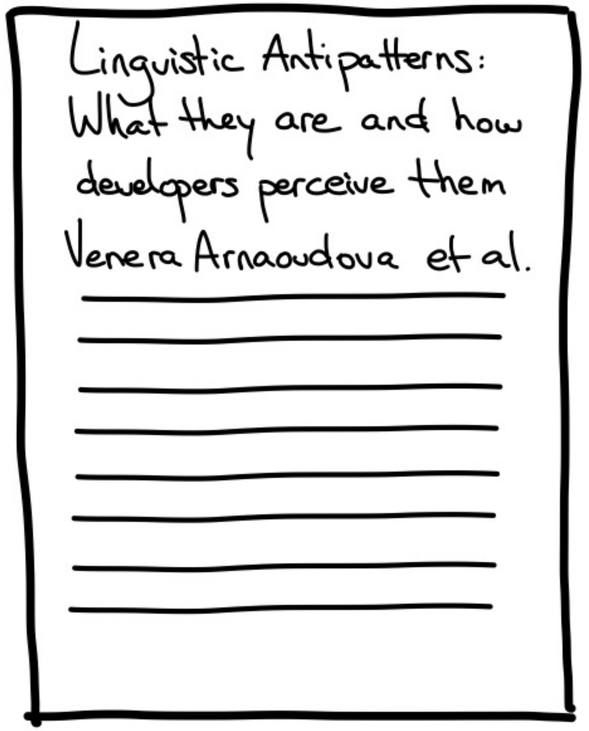
Six different Linguistic smells:

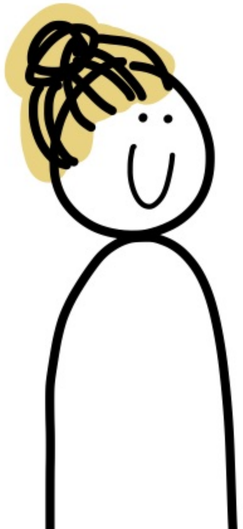




more
methods that do less than they say
reverse

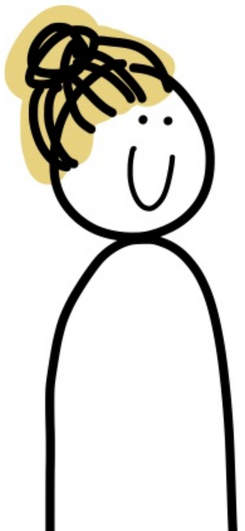
Six different Linguistic smells:



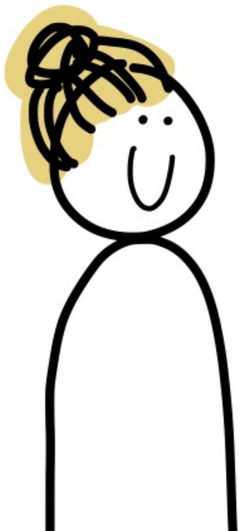


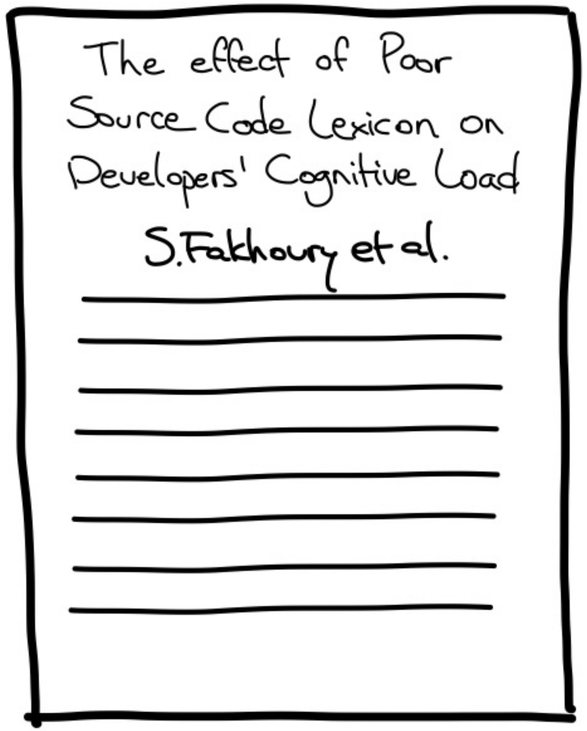
identifiers that hold more / reverse less than they say

Are linguistic
code smells a problem?



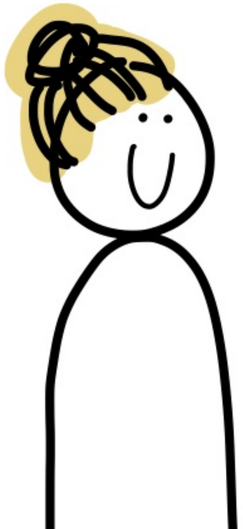
Are linguistic code smells a problem?

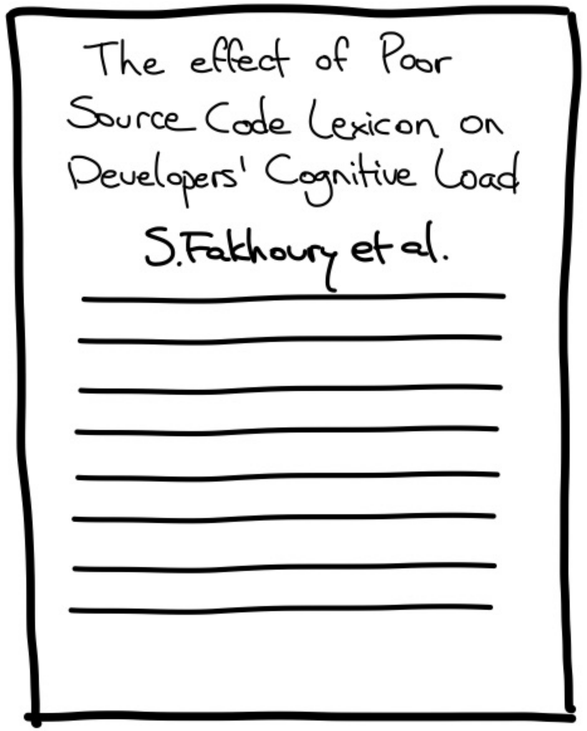




Linguistic smells ←

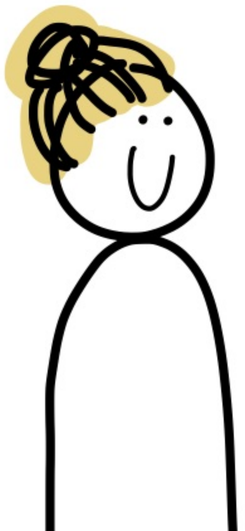
increase cognitive load





So far we have looked at

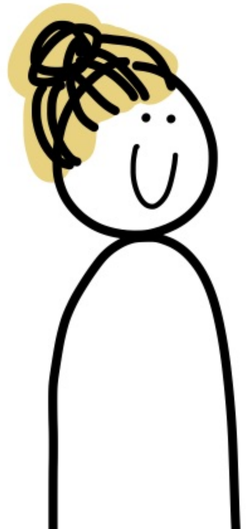
contents of names



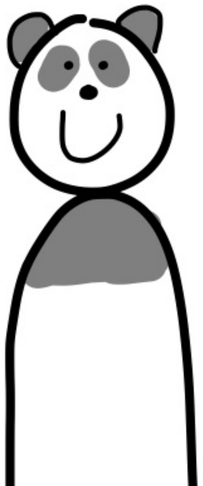
So far we have looked at

contents of names

Shape matters too!



Suppose you are storing maximum number of orders per month.



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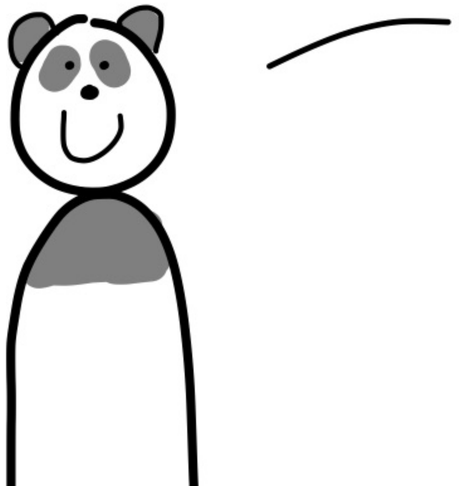
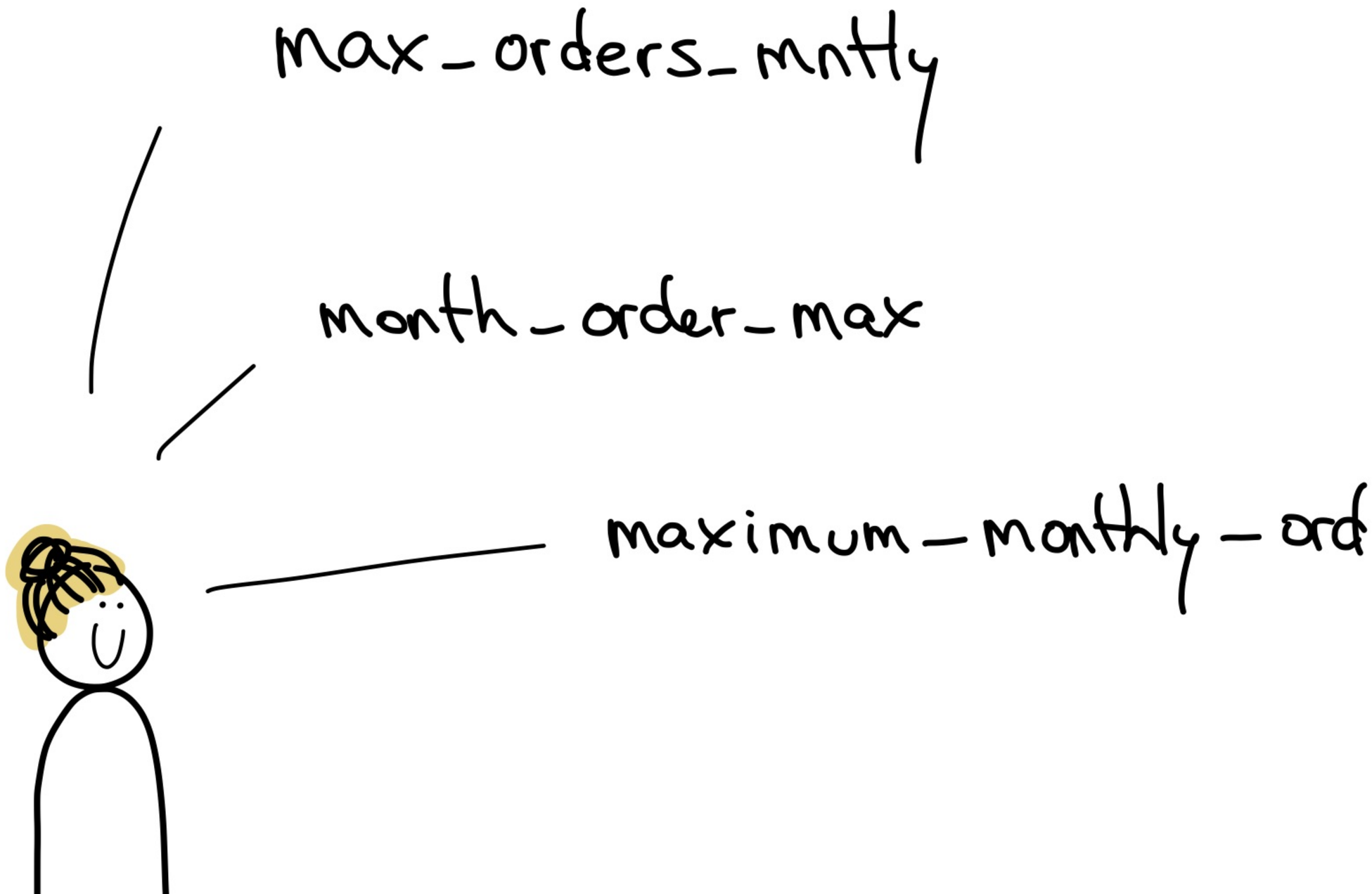


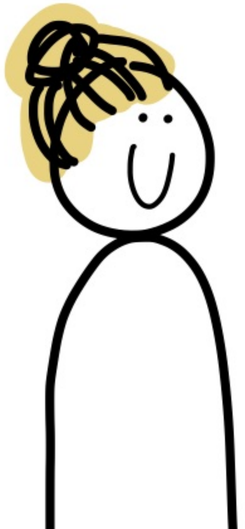
What is the variable name?

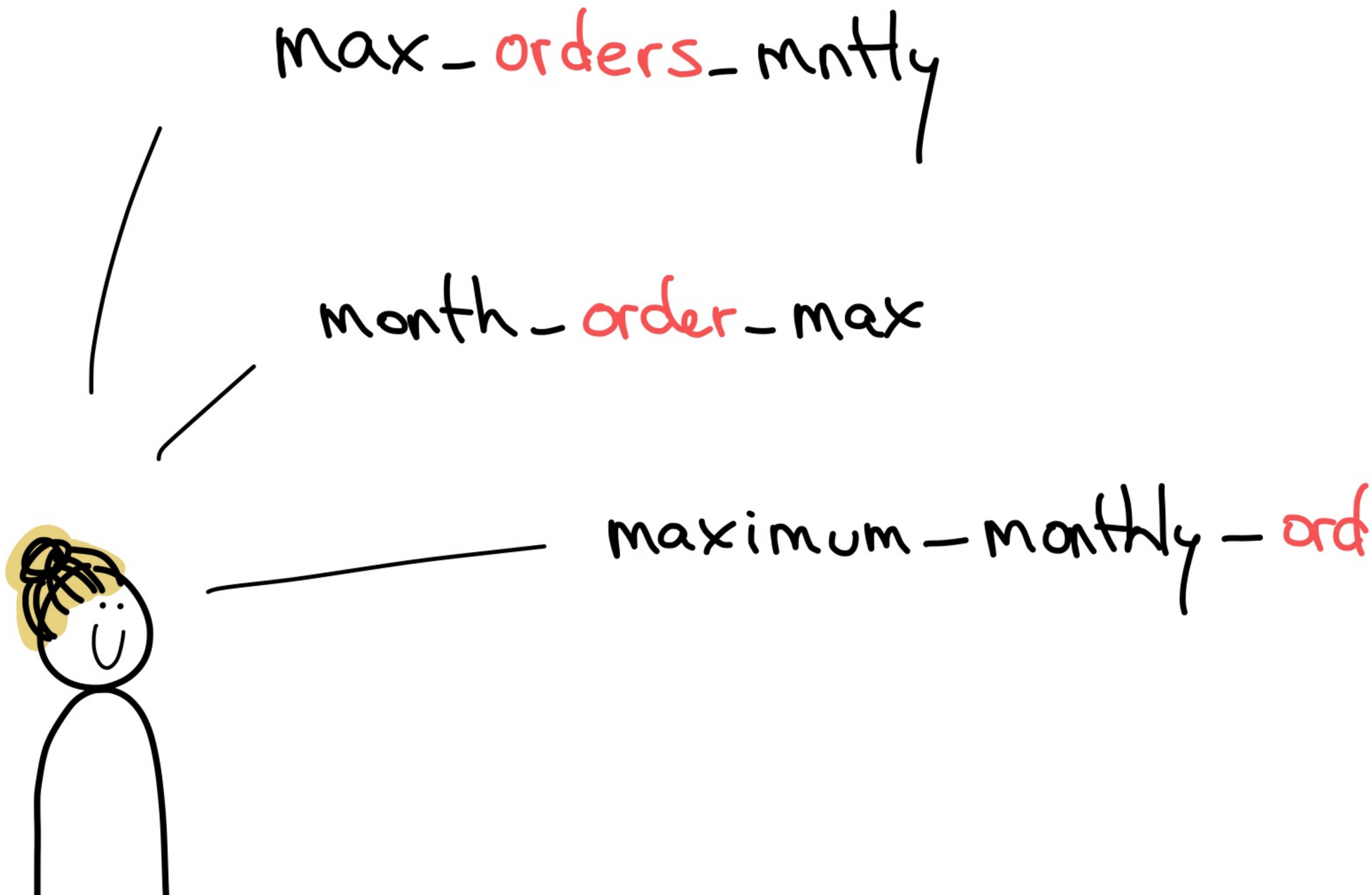

max_orders_mnthly
month_order_max
maximum_monthly_ord

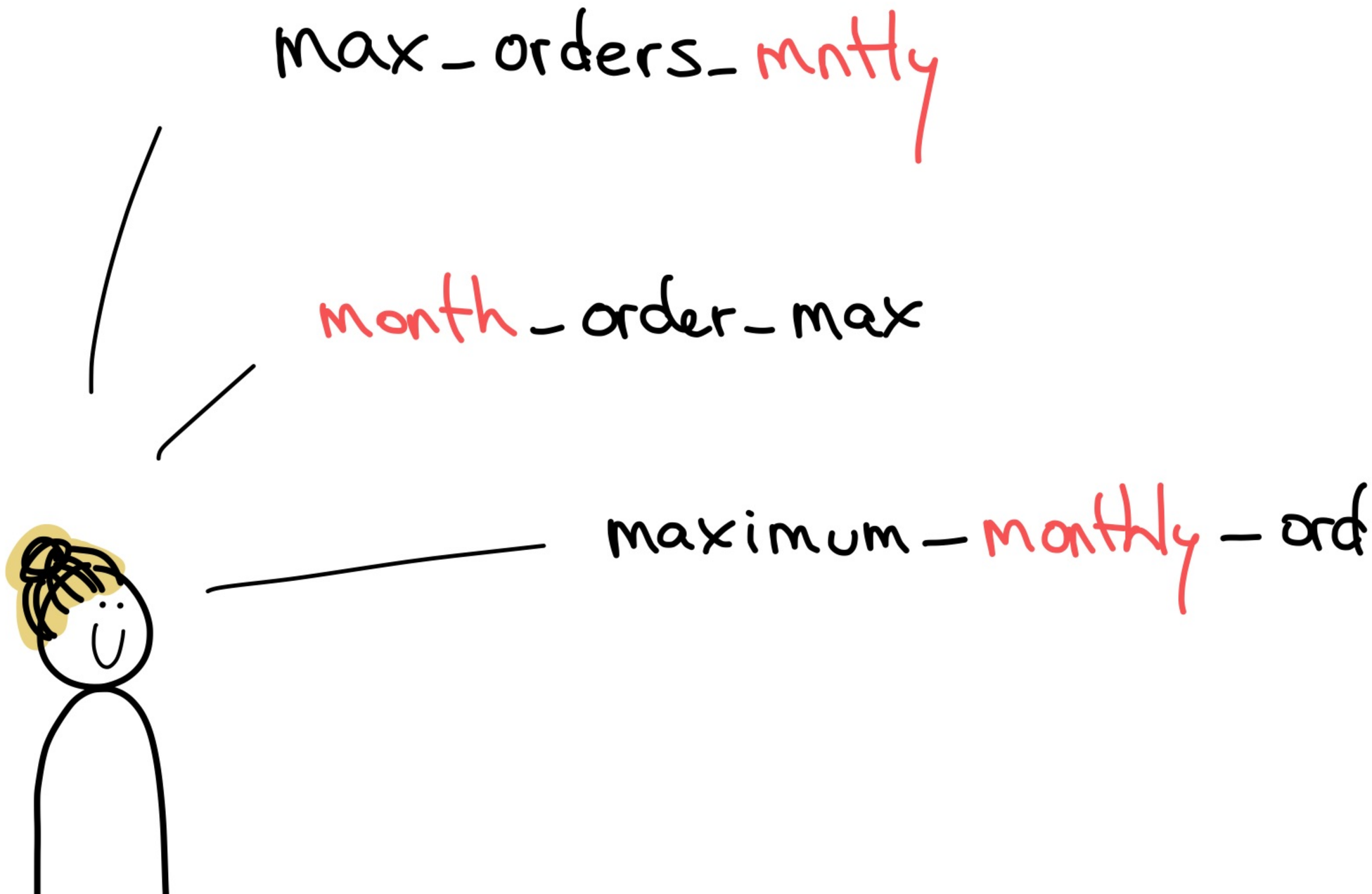
max_orders_mnthly

month_order_max

maximum_monthly_ord




max_orders_mnthly
month_order_max
maximum_monthly_ord


max_orders_mnthly
month_order_max
maximum_monthly_ord

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month_order_max

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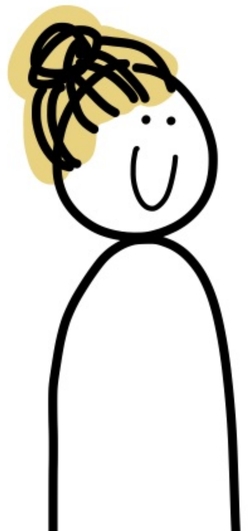
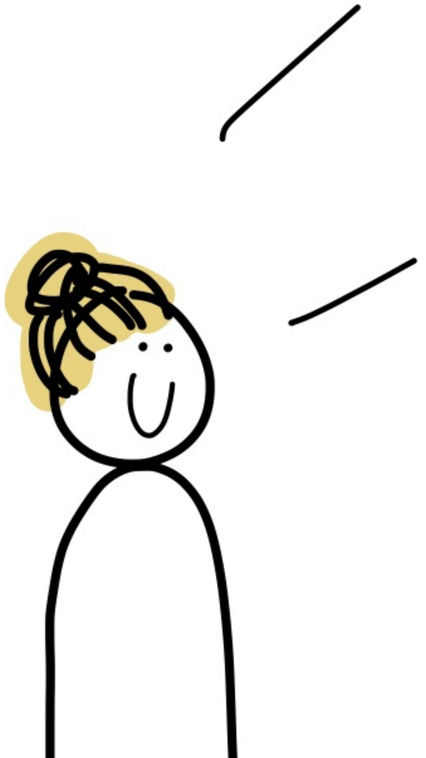


max_orders_mnthly

month_order_max

maximum_monthly_ord

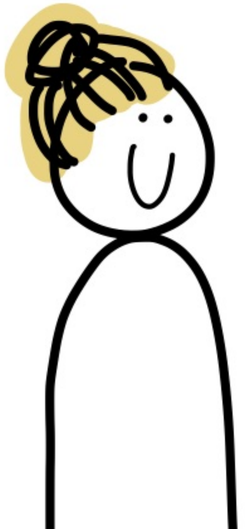


These are all name molds

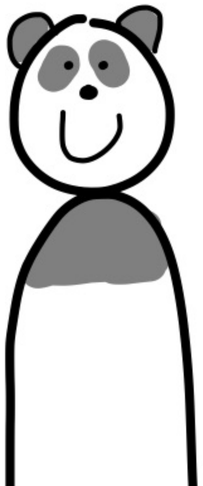
How developers choose names

Dror Feitelson et al.

Chance of selecting the same name is...



Chance of selecting the same name is...

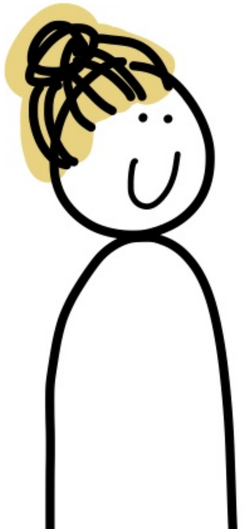


Chance of selecting the same name is...

7%

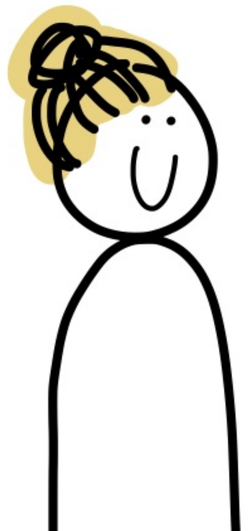
Chance of selecting the same name is...

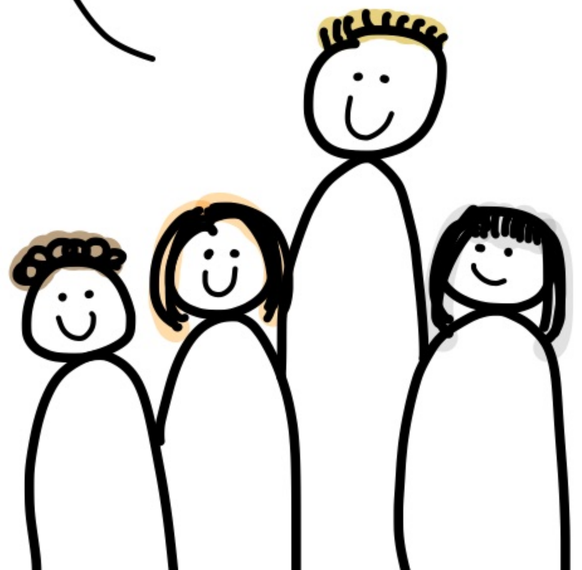
7%



Using molds improves naming quality!

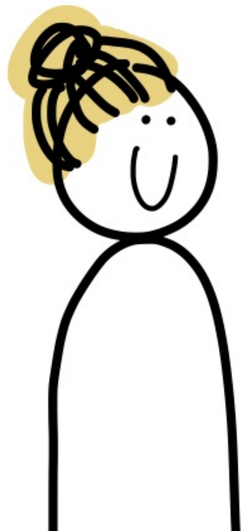
How to get better at naming things?

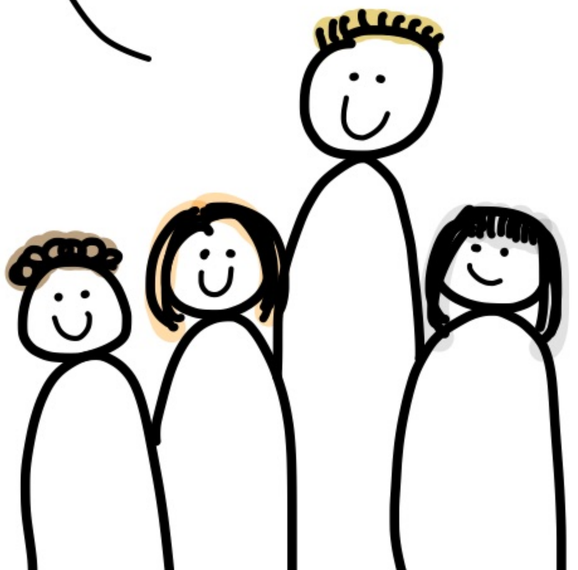




How to get better at naming things?

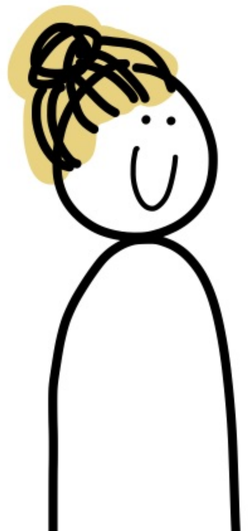
FOR FREE

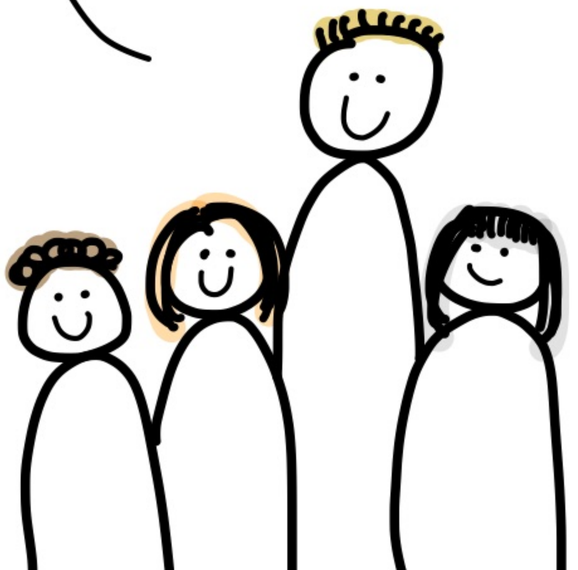




How to get better at naming things?

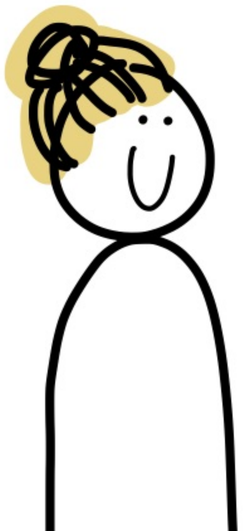
Avoid linguistic smells



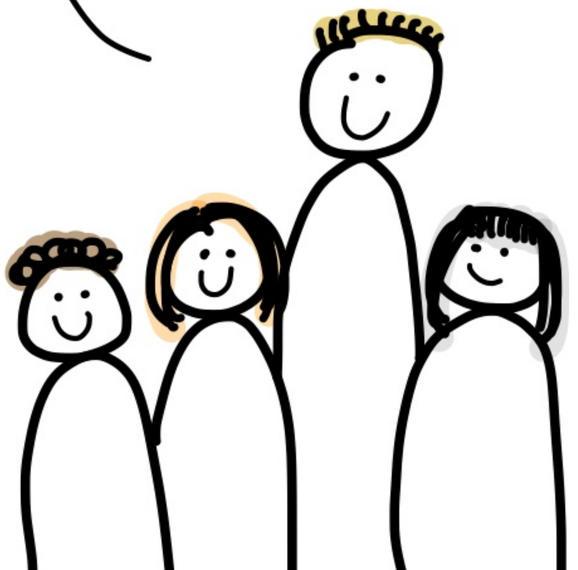


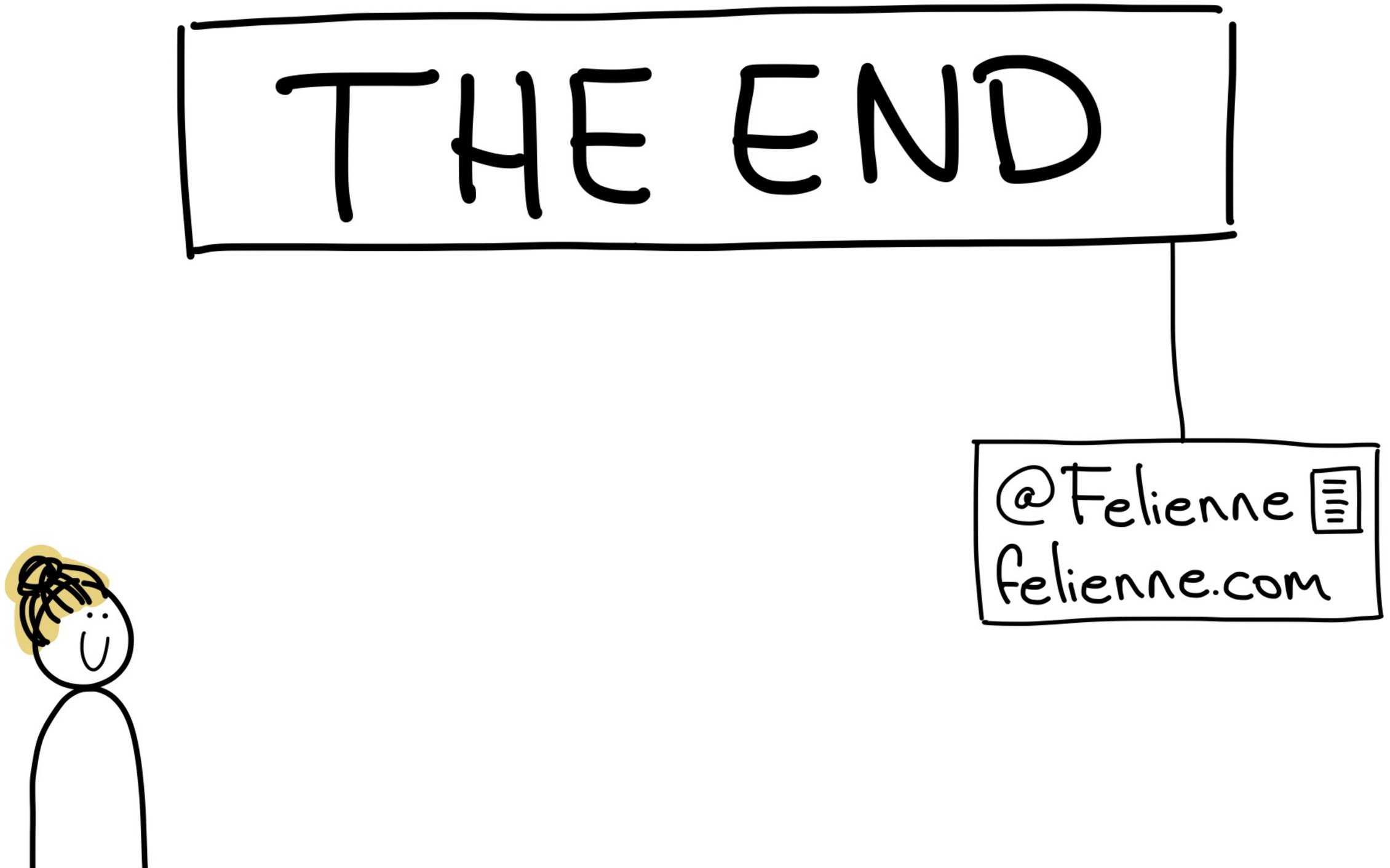
How to get better at naming things?

Avoid linguistic smells

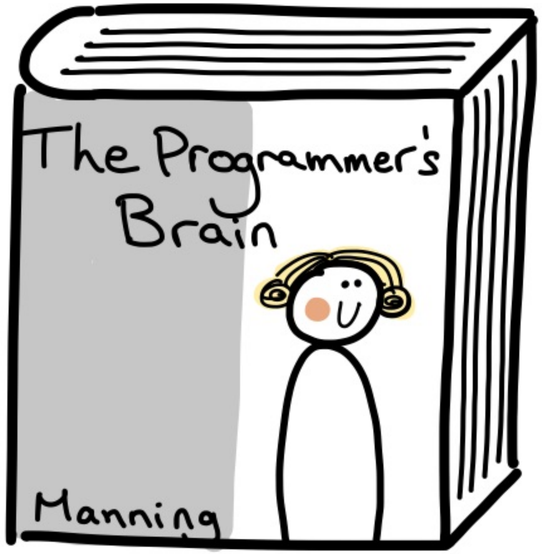


— Agree on name molds




THE END
@Felienne
felienne.com

THE END



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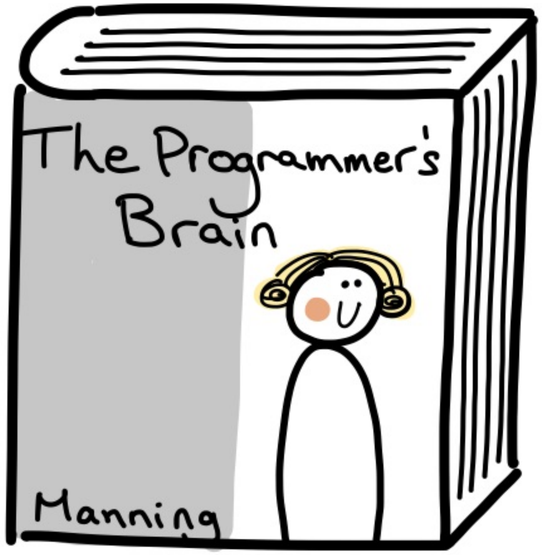
THE END



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