

community notices


a game about quality for data

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LB Tower Hamlets

 in this game we'll begin to forge a data contract; a brilliant way of achieving consensus in data management [1], [2].


 a data contract is “*an api for data*” and we're going to craft one for the sleepy village of Lower Hamlets, so their community notice board has postings are high quality and friction free!


setup

 You are a member of the Lower Hamlets Village Green Preservation Society. the society's mission is to maintain harmony amongst villagers, and to ensure the community notice board supports mutual aid. the society sets information standards upfront, helping prevent the kind of quality issues that might lead to squabbles later.

Preserving the old ways from being abused. Protecting the new ways for me and for you.
What more can we do? We are the Village Green Preservation Society [3]

quality

 sometimes the villagers make mistakes in the notices. your role is to set expectations of a reliable notice, so you can catch mistakes before they are published, avoiding the potential for confusion and disharmony in the village!

 think about what a good clear noticeboard dataset looks like; use this to check incoming notices against the “big six” dimensions of quality expectations [4]:

Completeness

missing values

Uniqueness

duplications

Timeliness

unpunctuality

Validity

extremities

Accuracy

imprecisions

Consistency

inconsistencies



Figure 1: CUTVAC a handy mnemonic for remembering the dama dimensions of quality showing a picture of some scissors and a vacuum cleaner

🎲 let's go

♀ 👤 👤 👤 👤 assemble the society to assess the schema; everyone has a part to play.

```
[DATE] TEXT,      -- 1. date of notice
[NAME] TEXT,      -- 2. name of sender
[UPRN] INTEGER,   -- 3. standard location id
[ADDRESS] TEXT,   -- 4. human readable location
[D.O.B] TEXT,     -- 5. date of birth
[CATEGORY] TEXT,  -- 6. category (service offered, service required, item for
sale, general announcement)
[NOTICE] TEXT     -- 7. text of notice
```

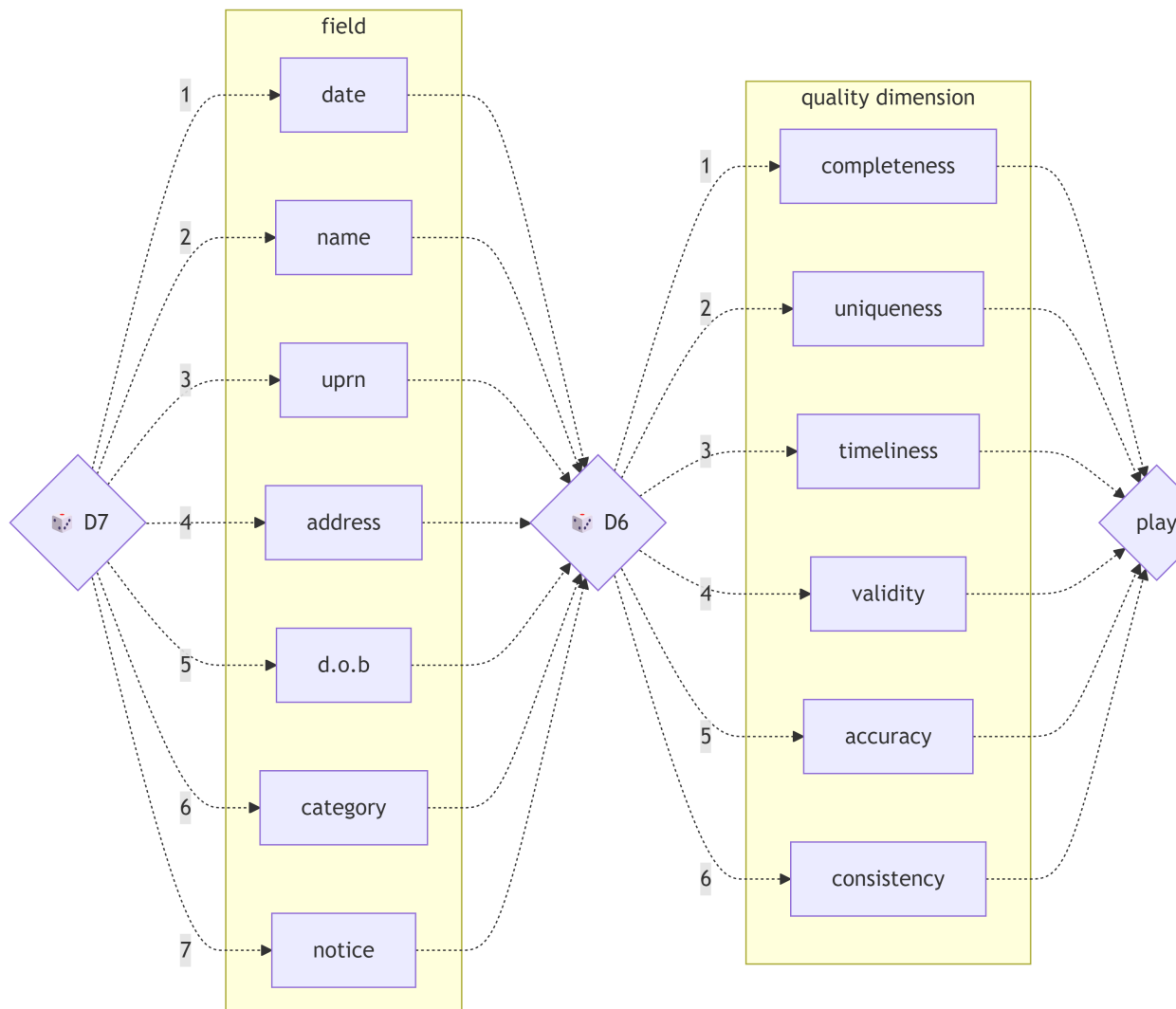
...and here is what an example notice might look like “on the record”

```
[
  {
    "DATE": "2025-01-30",
    "NAME": "Worzel Gummidge",
    "UPRN": "6733852",
    "ADDRESS": "THE GREEN, LOWER HAMLETS, LH1 1LH",
    "D.O.B": "2001-01-01",
    "CATEGORY": ["Service offered"],
    "NOTICE": "To all villagers of Lower Hamlets, I respectfully offer scarecrow
services so you can keep your prize pumpkins, your tasty turnips, and your
beautiful blackcurrants safe from our feathered friends."
  }
]
```



🎭 gameplay

to play you roll two dice, one with seven sides (D7) and one with six (D6); the value of this roll determines the field and dimension you play.

along with your fellow villagers, decide how best to set expectations of the six quality dimensions on the seven datafields.



make your move

  roll the dice!

if you are using the paper version of the game, dice rolls can be achieved by and using the roller in the online game:

<https://joelbth.codeberg.page/community-notices/#gameplay>


jot down your solutions below.

DATE


NAME

 Dimensions


UPRN

 Dimensions

ADDRESS

 Dimensions

DOB

 Dimensions


CATEGORY

 Dimensions

NOTICE

rinse and repeat

...until you have tackled all the fields:

 let's repeat!

Bibliography

- [1] Andrew Jones, “Data Contracts 101 – andrew-jones.com.” 2024.
- [2] Joe Leach, “Data contracts – joelbth.codeberg.page/data-contracts.” 2024.
- [3] The Kinks, “The Village Green Preservation Society - Wikipedia – en.wikipedia.org.” 1968.
- [4] N. Askham *et al.*, “The six primary dimensions for data quality assessment,” *DAMA UK working group*, pp. 432–435, 2013.