

## Relational schema

### currency

currency (**code**, name)

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### counterpart

counterpart (**counterpart\_id**, name, phone\_number, address\_short, city, postal\_code, country, contact\_email, category, is\_active, created\_at, updated\_at)

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### user

user (**user\_id**, counterpart\_id, first\_name, last\_name, email, password\_hash, role, is\_active, created\_at, updated\_at)

counterpart\_id references counterpart.counterpart\_id NOT NULL

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### item

item (**lot\_id**, stock\_name, purchase\_date, supplier\_id, origin, responsible\_office\_id, created\_at, updated\_at, is\_available, item\_type)

supplier\_id references counterpart.counterpart\_id NOT NULL responsible\_office\_id references counterpart.counterpart\_id NOT NULL

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### action

action (**action\_id**, from\_counterpart\_id, to\_counterpart\_id, terms, remarks, created\_at, updated\_at, category, transfer\_num, transfer\_date, user\_id, lot\_id, price, currency\_code)

from\_counterpart\_id references counterpart.counterpart\_id NOT NULL

to\_counterpart\_id references counterpart.counterpart\_id NOT NULL

user\_id references user.user\_id NOT NULL

lot\_id references item.lot\_id NOT NULL

currency\_code references currency.code NOT NULL

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### item (continue)

loose\_stone (**lot\_id**, weight\_ct, shape, length, width, depth)

lot\_id references item.lot\_id

white\_diamond (**lot\_id**, white\_level, clarity)

lot\_id references loose\_stone.lot\_id

colored\_diamond (**lot\_id**, gem\_type, fancy\_intensity, fancy\_overton, fancy\_color, clarity)

lot\_id references loose\_stone.lot\_id

colored\_gem\_stone (**lot\_id**, gem\_type, gem\_color, treatment)

lot\_id references loose\_stone.lot\_id

jewelry (**lot\_id**, jewelry\_type, gross\_weight\_gr, metal\_type, metal\_weight\_gr, total\_center\_stone\_qty,  
total\_center\_stone\_weight\_ct, centered\_stone\_type, total\_side\_stone\_qty, total\_side\_stone\_weight\_ct,  
side\_stone\_type)

lot\_id references item.lot\_id