

Primary key => unique

unique <=> secondary key (of prim)

2 databases: end application vs test application

Tables & Columns

user

id int [primary_key, auto_incr, not_null]
name varchar(30) [not_null, unique]
passwordHashed varchar(100)

stock

id int [primary_key, auto_incr, not_null]
name varchar(30) [not_null]
ticker varchar(10) [unique, not null]
market varchar(20)

stockCategory

id int [primary_key, auto_incr, not_null]
stock int [not null, verwijst naar stock.id]
criterium varchar(20) [not null]
value varchar(30) [not null]

method

id int [primary_key, auto_incr, not_null]
name varchar(20) [not null, unique, is ook de directory naam met py file]
description varchar(150)

strategy

id int [primary_key, auto_incr, not_null]
name varchar(20) [not_null, unique]
method int [not null, verwijst naar method.id]
isActive boolean [not null, default true]
parameters varchar(100)

strategyEditHistory

id int [primary_key, auto_incr, not_null]
strategy int [not null, verwijst naar strategy.id]
newParameters varchar(100)
editor int [not null, verwijst naar user.id]
timestamp timestamp [not null]

transaction (END ONLY)

id int [primary_key, auto_incr, not_null]
stock int [not null, verwijst naar stock.id]
isBuy boolean [not null, indien niet buy dan sell]
numOfstock int [not null]
timestamp timestamp [not null]
operator int [not null, verwijst naar user.id]
price float [puur stock, not null]
transactionCost float [not null]
portfolio int [not null, verwijst naar portfolio.id]

simulation (TEST ONLY)

id int [primary_key, auto_incr, not_null]
name varchar(30) [unique, not_null]
description varchar(60)
strategy int [not null, verwijst naar strategy.id]
owner int [not null, verwijst naar user.id]
timestampStart timestamp [not_null]
timestampEnd timestamp [not_null]
gain float [not_null, bedrag]
return float [not_null, %]
status varchar(8) [not_null, running/done/failed/stopped]
pid int

webAppLoginHistory

id int [primary_key, auto_incr, not_null]
succeeded boolean [not_null, indien heel veel failed → hacker?]
timestamp timestamp [not_null]
user int [not_null, verwijst naar user.id]

portfolio

id int [primary_key, auto_incr, not_null]
name varchar(30) [unique, not_null]
capital [not_null, vermogen]

Views & Columns

wallet (END ONLY)

stockTicker varchar(10) [verwijst naar stock.ticker]
stockName varchar(10) [verwijst naar stock.name]
numOfstock int
stockMarket varchar(20) [verwijst naar stock.market]
portfolio int [not null, verwijst naar portfolio.id]

statistics (END only)

walletReturn float [percentage winst]
walletGain float [geld winst]
referenceIndexReturn [alle aandelen die we hebben = wereld]
referenceIndexGain
totTransactionCost
totNumOfOrders