# YFTS: TABLE STRUCTURE

```
┌─────────────┐
│             │
│  user       │
│             │
└─────────────┘
```

UID (num (p)) (PK)

¬NULL Username (varchar2 (20))

Password (varchar2 (20))

¬NULL Email (varchar2 (50))

¬NULL Activated (char (1)) ,

Lastname (varchar2 (30))

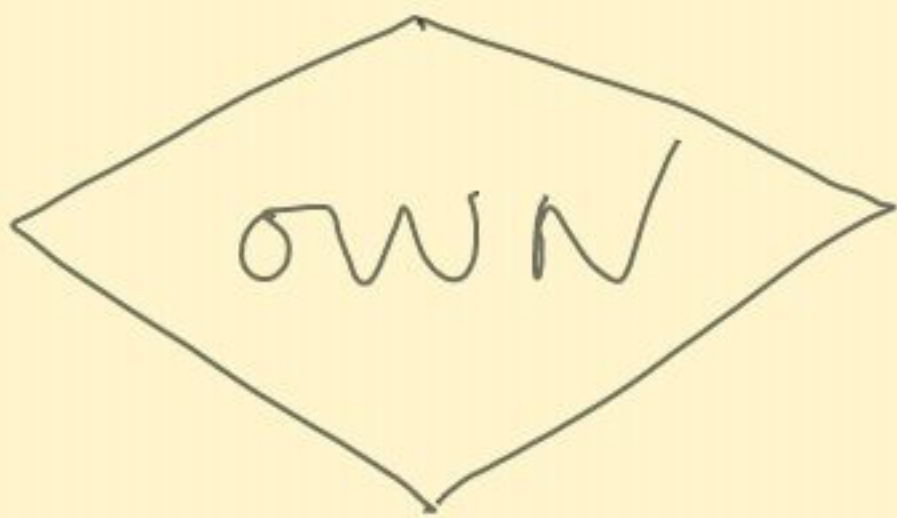Firstname (varchar2 (30))

¬NULL Balance (num (p))

? Authority

## STOCK

SID     ( num(p) ) (PK)

¬NULL SYMBOL    (varchar2 (10)

¬NULL STOCKNAME    (varchar2 (30))

?   PRICE    (num(p,s ))

OWN

UID (FK)
　ref to USER

SID (FK)
　ref to STOCK

¬NULL Quantity (num)
　check (≥ 0)

¬NULL Ownership (PK)
?

## TRANSACTION

TID      (num(p)) (PK)

UID      (FK)
ref to USER.

SID      (FK)
ref to STOCK

¬NULL Amount    (num(p))
Check ($\geq 0$)

¬NULL UniPrice    (num(p))
Check ($\geq 0$)

TTIME   DATE
check ($\leq$ CURRET TIME)

Optional:

Income of Admin:

ADMIN

Approve ID     (num(p)) (PK)

A TIME      DATE
         check ($\leq$ SYSTIME)

T ID       FK | ref to TRANSACTION

# Front End Pages

Homepage

User
- Register
- Portfolio
- Market data
- Transaction
- History

Admin
- Log IN / Home
- Stock Management
- Commit Transaction
- (Optional) Approval History