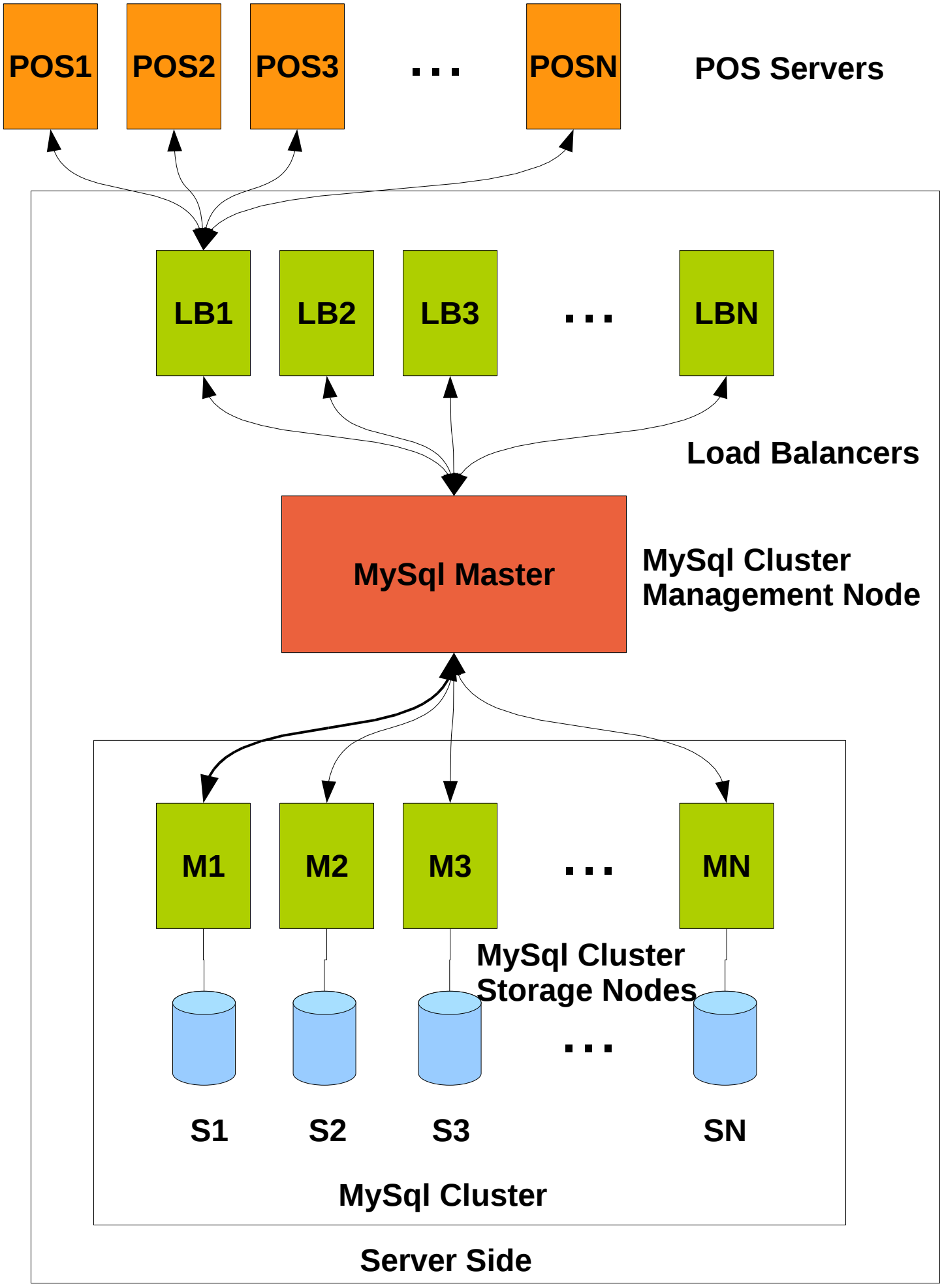
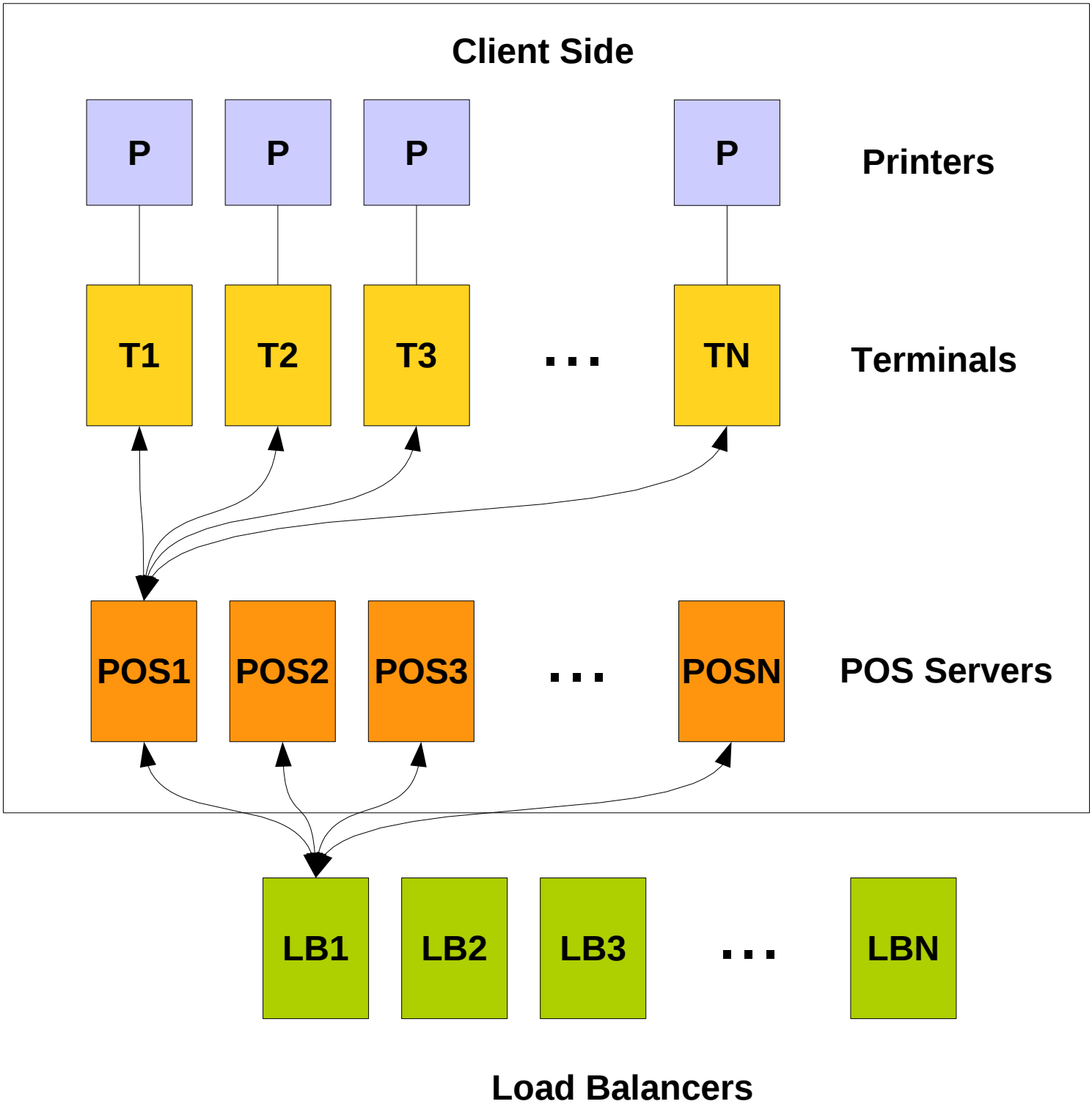
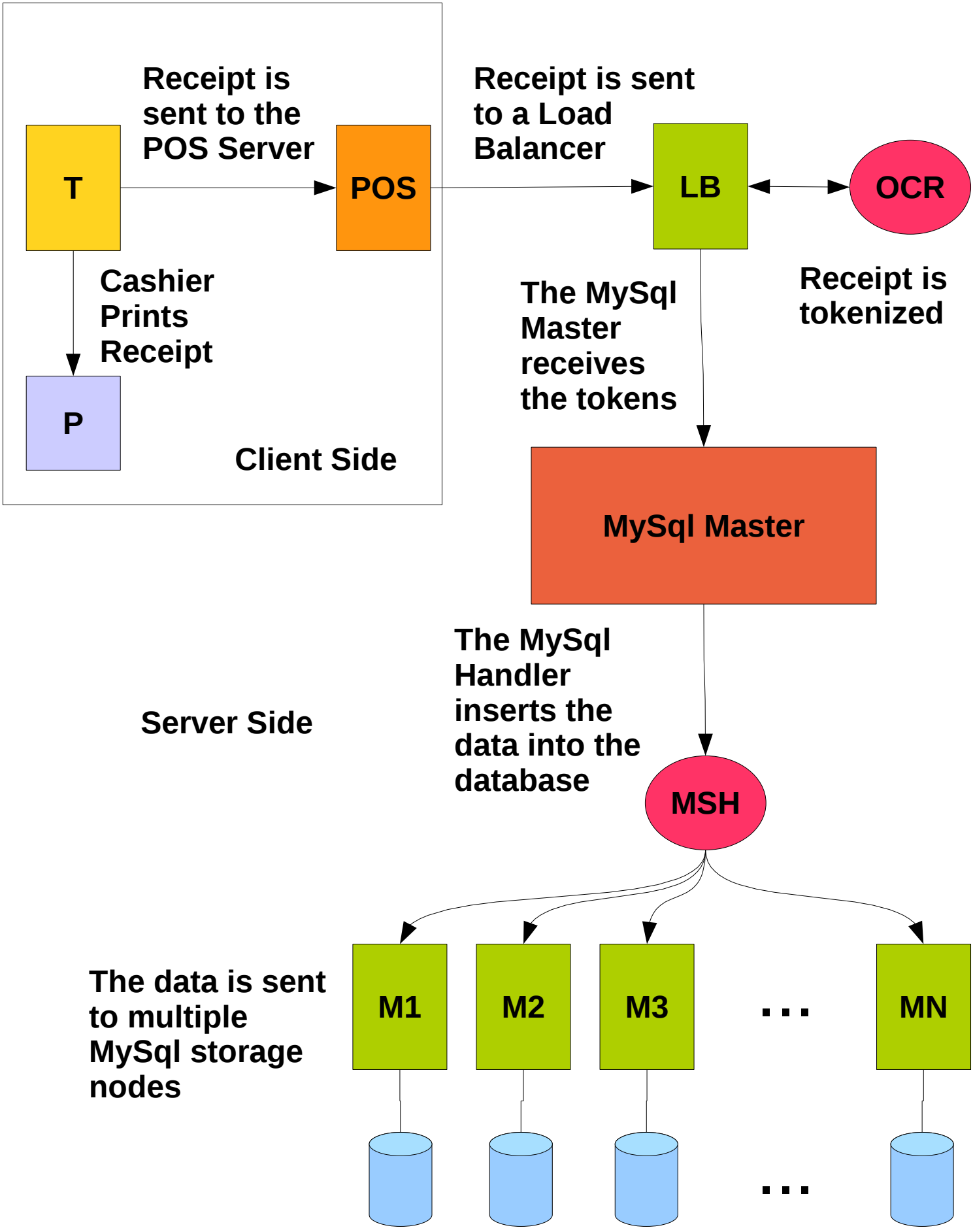
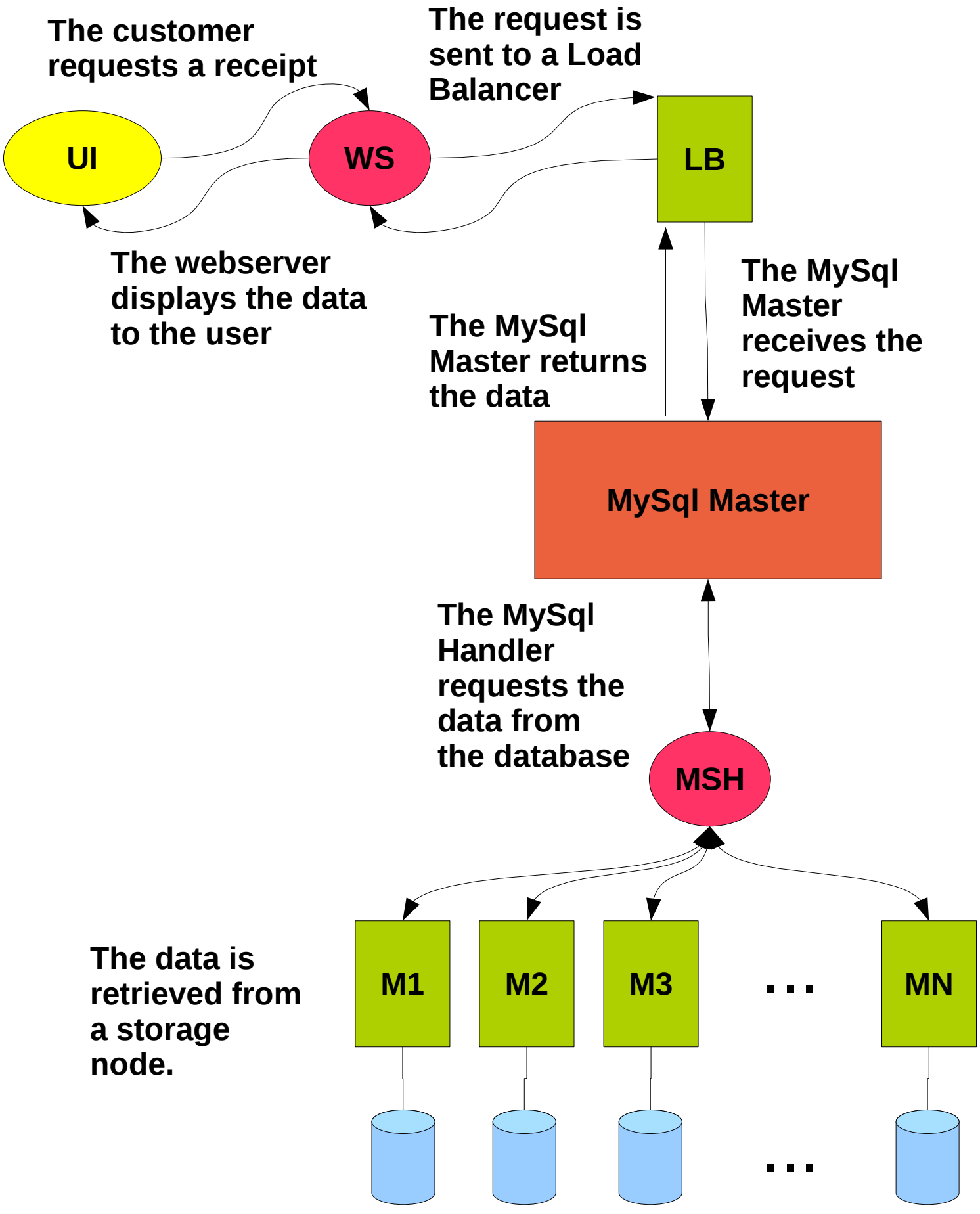
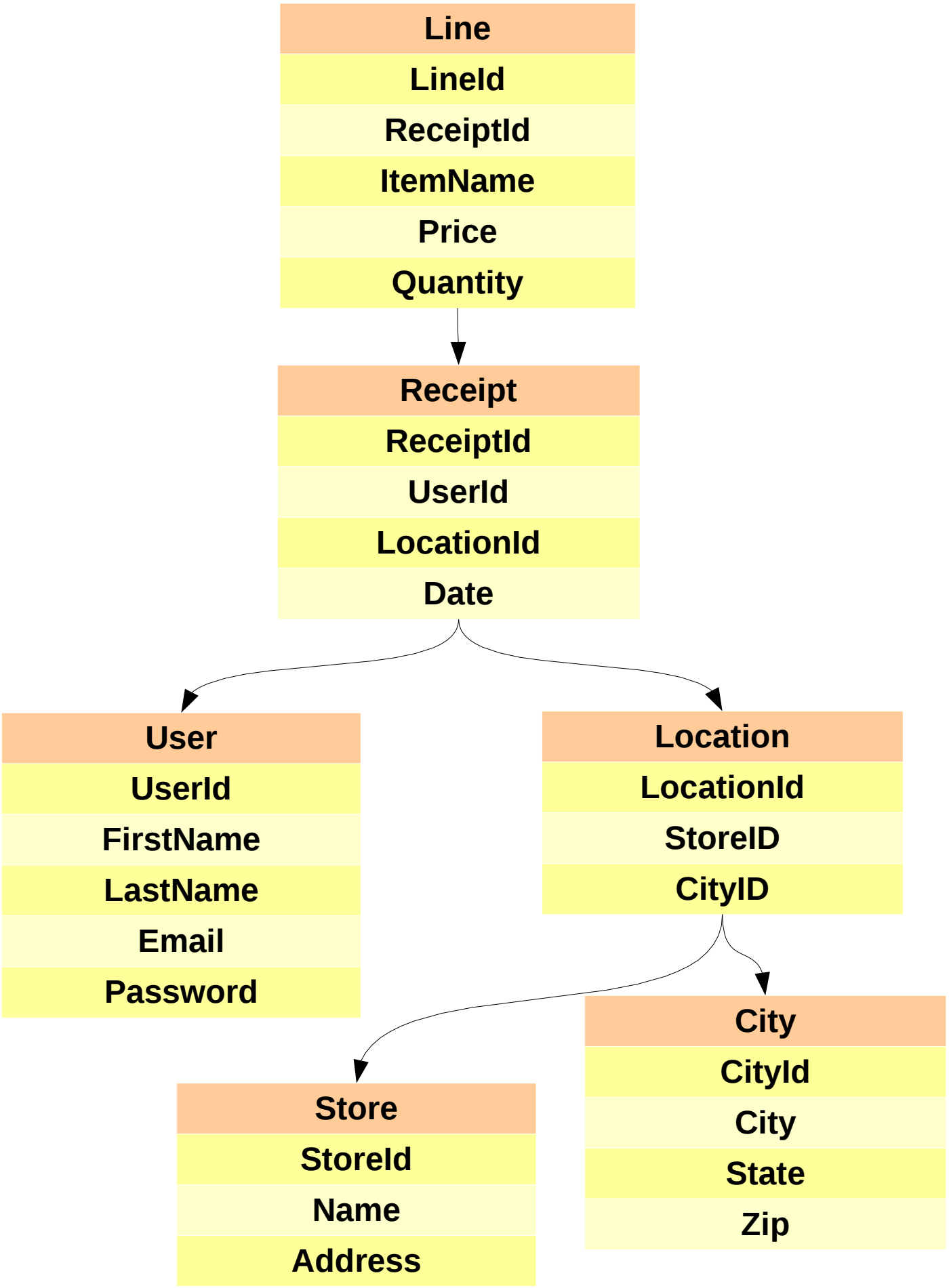

POS1
POS2
POS3
...
POSN
POS Servers
LB1
LB2
LB3
...
LBN
Load Balancers
MySql Master
MySql Cluster
Management Node
M1
M2
M3
...
MN
MySql Cluster
Storage Nodes
...
S1
S2
S3
SN
MySql Cluster
Server Side


Client Side
P
P
P
P
Printers
T1
T2
T3
. . .
TN
Terminals
POS1
POS2
POS3
. . .
POSN
POS Servers
LB1
LB2
LB3
. . .
LBN
Load Balancers


Receipt is sent to the POS Server
Receipt is sent to a Load Balancer
T
POS
LB
OCR
Cashier Prints Receipt
The MySql Master receives the tokens
Receipt is tokenized
P
Client Side
MySql Master
The MySql Handler inserts the data into the database
Server Side
MSH
The data is sent to multiple MySql storage nodes
M1
M2
M3
. . .
MN
. . .


The customer requests a receipt
The request is sent to a Load Balancer
UI
WS
LB
The webserver displays the data to the user
The MySql Master returns the data
The MySql Master receives the request
MySql Master
The MySql Handler requests the data from the database
MSH
The data is retrieved from a storage node.
M1
M2
M3
. . .
MN
. . .


Line
LineId
ReceiptId
ItemName
Price
Quantity
Receipt
ReceiptId
UserId
LocationId
Date
User
UserId
FirstName
LastName
Email
Password
Location
LocationId
StoreID
CityID
City
CityId
City
State
Zip
Store
StoreId
Name
Address