

1. USER

Column	Type	Null	Notes
userID	int IDENTITY	NO	PK userID=0 => company
username	nvarchar(20)	NO	Unique per user
name	nvarchar(30)	NO	
surname	nvarchar(30)	NO	
dob	date	NO	
gender	int	NO	FK→GENDER(genderID)
email	nvarchar(50)	NO	
address	nvarchar(100)	YES	
phone	nvarchar(25)	NO	
userType	int	NO	FK → USERTYPE(userID)
rating	int	YES	Computed from feedbacks
password	nvarchar(50)	NO	hash text (php)

2. USERTYPE

Column	Type	Null	Notes
userID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	
description	nvarchar(50)	YES	

1- System Manager 2-System Worker 3-Participating Driver 4-Simple User

3. DOCVEH

Column	Type	Null	Notes
docID	int IDENTITY	NO	PK
vehicleID	int	NO	FK → VEHICLE(vehID)
path	nvarchar(200)	NO	File path
issued	date	NO	
expires	date	NO	
docType	int	NO	FK → DOCTYPE(docTypeID)
checkedBy	int	YES	FK → USER(userID)
status	int	NO	FK → DOCSTATUS(docStatusID)

4. CHECKDOC

Column	Type	Null	Notes
checkDocID	int IDENTITY	NO	PK
docID	int	NO	FK → DOCVEH(docID)
status	int	NO	FK → DOCSTATUS(docStatusID)
comments	nvarchar(100)	NO	
byUserID	int	NO	FK → USER(userID) (Which System Works checks the doc)

5. DOCDRI

Column	Type	Null	Notes
docID	int IDENTITY	NO	PK
driverID	int	NO	FK → USER(userID) (driver owner)
path	nvarchar(200)	NO	File path
issued	date	NO	
expires	date	YES	
docType	int	NO	FK → DOCTYPE(docTypeID)
checkedBy	int	YES	FK → USER(userID)
status	int	NO	FK → DOCSTATUS(docStatusID)

6. DOCSTATUS

Column	Type	Null	Notes
docStatusID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	
okToRun	bit	NO	

1-Submitted 0, 2-Pending 0, 3-Rejected 0, 4-Approved 1

7. VEHICLE

Column	Type	Null	Notes
vehID	int IDENTITY	NO	PK
insuranceNum	int	NO	
seatNum	int	YES	
kgCapacity	int	YES	
volCapacity	int	YES	
geOID	int	NO	FK → GEOFENCE(geOID)
vehType	int	NO	FK → VEHTYPE(vehType)
driver	int	NO	FK → USER(userID)
available	bit	NO	DEFAULT 0
ready	bit	NO	DEFAULT 0 (calculated from docVeh.status.okToRun)
plate	int	NO	

8. VEHTYPE

Column	Type	Null	Notes
vehType	int IDENTITY	NO	PK
name	nvarchar(50)	NO	

9. GENDER

Column	Type	Null	Notes
genderID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	

1-woman, 2-man, 3-non binary, 4-not specified

10. DOCTYPE

Column	Type	Null	Notes
docTypeID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	
description	nvarchar(200)	YES	
type	int	NO	FK

11. AVAILABILITY

Column	Type	Null	Notes
avID	int IDENTITY	NO	PK
avStart	smalldatetime	YES	Available from
avEnd	smalldatetime	YES	Available until
car	int	NO	FK → VEHICLE(vehID)

12. GEOFENCE

Column	Type	Null	Notes
geoID	int IDENTITY	NO	PK
longMax	decimal(10,6)	NO	
latMax	decimal(9,6)	NO	
longMin	decimal(10,6)	NO	
latMin	decimal(9,6)	NO	
name	nvarchar(20)	YES	

13. BRIDGE

Column	Type	Null	Notes
bridgeID	int IDENTITY	NO	PK
longitude	decimal(10,6)	NO	
latitude	decimal(9,6)	NO	
name	nvarchar(20)	YES	

14. CONNECT

Column	Type	Null	Notes
connectID	int IDENTITY	NO	PK
bridgeID	int	NO	FK → BRIDGE(bridgeID)
geoID	int	NO	FK → GEOFENCE(geoID)

15. FEEDBACK

Column	Type	Null	Notes
feedID	int IDENTITY	NO	PK
entryDate	smalldatetime	NO	DEFAULT GETDATE()
comment	nvarchar(150)	YES	
subTrip	int	NO	FK → SUBTRIP(subTripID)
from	int	NO	FK → USER(userID)
to	int	NO	FK → USER(userID)
rating	tinyint	YES	1-5

16. GDPR

Column	Type	Null	Notes
logID	int IDENTITY	NO	PK
action	int	NO	FK → GDRACTIONS(gdprActionID)
status	int	NO	FK → GDPRSTATUS(gdprID)
processedBy	int	YES	FK → USER(userID)
entryDate	smalldatetime	NO	DEFAULT GETDATE()
requestedBy	int	NO	FK → USER(userID)
finishedDate	smalldatetime	YES	

17. GDRACTIONS

Column	Type	Null	Notes
gdprActionID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	
description	nvarchar(60)	NO	

18. GDPRSTATUS

Column	Type	Null	Notes
gdprID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	

19. TRIP

Column	Type	Null	Notes
tripID	int IDENTITY	NO	PK
startLong	decimal(10,6)	NO	
startLat	decimal(9,6)	NO	
endtLong	decimal(10,6)	NO	
endLat	decimal(9,6)	NO	
startTime	smalldatetime	NO	
endTime	smalldatetime	YES	
reqTime	smalldatetime	NO	DEFAULT GETDATE()
status	int	NO	FK → TRIPSTATUS(tripStatusID)
seatNum	int	YES	
kgNum	float	YES	
volNum	float	YES	
serviceType	int	NO	FK → SERVICETYPE(serviceTypeID)
requestedBy	int	NO	FK → USER(userID)

20. FEES

Column	Type	Null	Notes
feesID	int IDENTITY	NO	PK
serviceType	int	NO	FK → SERVICETYPE(serviceTypeID)
amount	smallmoney	NO	
startDate	smalldatetime	NO	
endDate	smalldatetime	YES	

21. SERVICETYPE

Column	Type	Null	Notes
serviceTypeID	int IDENTITY	NO	PK
minPayment	smallmoney	NO	
description	nvarchar(100)	NO	
name	nvarchar(50)	NO	
moneyRate	smallmoney	NO	
unit	nvarchar(10)	NO	

22. SUBTRIP

Column	Type	Null	Notes
subTripID	int IDENTITY	NO	PK
startLong	decimal(10,6)	NO	
startLat	decimal(9,6)	NO	
endtLong	decimal(10,6)	NO	
endLat	decimal(9,6)	NO	
startTime	smalldatetime	NO	
endTime	smalldatetime	YES	
status	int	NO	FK → TRIPSTATUS(tripStatusID)
price	smallmoney	NO	price=calculated price + calculated fee
vehicle	int	YES	FK → VEHICLE(vehID)
trip	int	NO	FK → TRIP(tripID)

23. TRIPSTATUS

Column	Type	Null	Notes
tripStatusID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	e.g. Requested, Assigned, Completed

1-requested, 2-loading, 3-in progress, 4-completed

24. PAYMENT

Column	Type	Null	Notes
paymentID	int IDENTITY	NO	PK
date	smalldatetime	NO	DEFAULT GETDATE()
method	int	NO	FK → PAYMENTMETHOD(paymentMethodID)
from	int	NO	FK → USER(userID) (payer)
to	int	NO	FK → USER(userID) (payee)
subTrip	int	YES	FK → SUBTRIP(subTripID)
price	smallmoney	NO	
type	int	NO	FK → PAYTYPE(payTypeID)

25. PAYTYPE

Column	Type	Null	Notes
payTypeID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	

1-ride, 2-wage, 3-refund, 4-fee

26. PAYMENTMETHOD

Column	Type	Null	Notes
paymentMethodID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	
description	nvarchar(20)	YES	

1- debit card, 2- credit card, 3- cash, 4 - jcc, 5- paypal

27. TRIPLOGACTION

Column	Type	Null	Notes
tripLogActionID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	

1-sent, 2-seen, 3-accepted, 3-denied, 4-cancelled

28. TRIPLOG

Column	Type	Null	Notes
tripLogID	int IDENTITY	NO	PK
date	smalldatetime	NO	DEFAULT GETDATE()
subTrip	int	NO	FK → SUBTRIP(subTripID)
driver	int	NO	FK → USER(userID)
action	int	NO	FK → TRIPLOGACTION(tripLogActionID)

29. VEHSERV

Column	Type	Null	Notes
vehServID	int IDENTITY	NO	PK
car	int	NO	FK → VEHICLE(vehID)
service	int	NO	FK → SERVICETYPE (serviceTypeID)

30. DOCTYPETYPE

Column	Type	Null	Notes
docTypeTypeID	int IDENTITY	NO	PK
name	nvarchar(20)	NO	

31. BILLINGS

Column	Type	Null	Notes
billingsID	int IDENTITY	NO	PK
userType	int	YES	FK → USERTYPE(userTypeID)
service	int	YES	FK → SERVICETYPE (serviceTypeID)
amount	Smallmoney	NO	
description	nvarchar(70)	NO	

32. SERVREQ

Column	Type	Null	Notes
servReqID	int IDENTITY	NO	PK
description	nvarchar(200)	NO	
service	int	NO	FK → SERVICETYPE (serviceTypeID)