TABLE DESIGN

TOPIC: REGIONAL TRANSPORT AUTHORITY SYSTEM

SUBMITTED BY

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RMCA-B

ROLL NO: 35

TABLE DESIGN

Table No: 01

Name: tbl_register

Primary Key: reg_id

Foreign Key:

Description: To store registration information of user, sub-officer and Institution

Field	Dataype	Constraints	Description
reg_id	int	PK	Registration id
fname	Varchar	Not null	First name of the user
lname	Varchar	Not null	Last name of the user
gender	Varchar	Not null	Gender
email	Varchar	Not null	Email id
house_name	Varchar	Not null	House name of the user
state	Varchar	Not null	State of the user
district	Varchar	Not null	District of the user
license_type	Varchar	Not null	License type
designation	Varchar	Not null	Designation of the user
phone_no	Varchar	Not null	phone number
ownership_fname	Varchar	Not null	First Name of the owner
ownership_lname	Varchar	Not null	Last Name of the owner
institution_name	Varchar	Not null	Name of the institution
i_district	Varchar	Not null	District of the institution
username	Varchar	Not null	Username of the user
password	Varchar	Not null	Password of the user
repassword	Varchar	Not null	Retype password

Table No: 02
Table Name: tbl_drivinglicense
Primary Key: driving_id
Foreign Key: reg_id
Table Description: keeps information about the license owner

Field	Data type	Constraints	Description
driving_id	Int	PK	Driving license id
reg_id	Int	FK	Registration id
first_name	Varchar	Not null	First name of the owner
last_name	Varchar	Not null	Last name of the owner
age	Int	Not null	Person to be registered as reg. owner
gender	Varchar	Not null	Gender of the owner
parent_name	Varchar	Not null	Name of the parent of user
house_name	Varchar	Not null	House name of the user
state	Varchar	Not null	State of the user
district	Varchar	Not null	District of the user
email	Varchar	Not null	Email of the user
phone_no	Varchar	Not null	Phone number
license_type	Varchar	Not null	Type of the license
date_of_issue	date	not null	Date of issue
expiriry_date	date	Not null	Expiry date
blood	Varchar	Not null	Blood group
image	Varchar	Not null	Image of the user
aadhar	Varchar	Not null	Aadhar id of the user
sslc	Varchar	Not null	SSLC Certificate of the user
is_approved	Varchar	Not null	Approved/not
paystatus	Varchar	Not Null	Payment Status
date	Date	Not Null	Payment Date

Table No: 03
Table Name: tbl_duplicatelicense
Primary Key: dup_id
Foreign Key: driving_id
Table Description: keeps information about duplication of license

Field	Data type	Constraints	Description
dup_id	Int	PK	Duplicate license id
driving_id	Int	FK	Driving license id
first_name	Varchar	Not null	First name of the owner
last_name	Varchar	Not null	Last name of the owner
age	Int	Not null	Person to be registered as reg. owner
gender	Varchar	Not null	Gender of the owner
parent_name	Varchar	Not null	Name of the parent of user
house_name	Varchar	Not null	House name of the user
state	Varchar	Not null	State of the user
district	Varchar	Not null	District of the user
email	Varchar	Not null	Email of the user
phone_no	Varchar	Not null	Phone number
license_type	Varchar	Not null	Type of the license
date_of_issue	date	not null	Date of issue
expiriy_date	date	Not null	Expiry date
blood	Varchar	Not null	Blood group
image	Varchar	Not null	Image of the user
aadhar	Varchar	Not null	Aadhar id of the user
sslc	Varchar	Not null	SSLC Certificate of the user
is_approved	Varchar	Not null	Approved/not
paystatus	Varchar	Not null	Payment Status
pay_date	date	Not null	Payment Date

Table No: 04
Name: tbl_inst_reg

Primary Key: inst_id

Foreign Key: regid

Description: keeps information about the Institution Registration

Field	Data type	Constraints	Description
inst_id	Int	PK	Institution Registration id
regid	Int	FK	Registration id
fname	Varchar	Not null	First name of the owner
lname	Varchar	Not null	Last name of the owner
age	Int	Not null	Age of the owner
gender	Varchar	Not null	Gender of owner
email	Varchar	Not null	Email of the user
house_name	Varchar	Not null	House name of the user
state	Varchar	Not null	State of the user
district	Varchar	Not null	District of the user
phone_no	Varchar	Not null	Phone number
ins_name	Varchar	Not null	Institution Name
is_approved	Varchar	Not null	Approved/not

Table No: 05

Name: tbl_inst_vreg

Primary Key: inst_vreg_id

Foreign Key:

Description: keeps information about the Institution Vehicle Registration

Field	Data type	Constraints	Description
inst_vreg_id	Int	PK	Institution Vehicle Registration id
fname	Varchar	Not null	First name of the owner
lname	Varchar	Not null	Last name of the owner
ins_name	Varchar	Not null	Name of Institution
phone	Varchar	Not null	Phone Number
vname1	Varchar	Not null	Name of the first vehicle
mileage1	int	Not null	Mileage of the first vehicle
vname2	Varchar	Not null	Name of the second vehicle
mileage2	int	Not null	Mileage of the second vehicle
vname3	Varchar	Not null	Name of the first vehicle
mileage3	int	Not null	Mileage of the second vehicle

Table No: 06

Name: tbl_login

Primary Key: login_id

Foreign Key:

Description: store the login details

Field	Datatype	Constraints	Description
login_id	int	PK	Login id
username	Varchar	Not null	Username of the user
password	Varchar	Not null	Password of the user
usertype	Varchar	Not null	Type of the user
userstatus	Varchar	Not null	Status of the user

Table No: 07
Name: tbl_learners_reg

Primary Key: learners_id

Foreign Key: regid

Description: keeps information about the learners registration of the users

Field	Data type	Constraints	Description
learners_id	Int	PK	Learners Registration id
reg_id	Int	FK	Registration ID
fname	Varchar	Not null	First name of the user
lname	Varchar	Not null	Last name of the user
age	Int	Not null	Age of the user
gender	Varchar	Not Null	Gender of the user
pname	Varchar	Not Null	Parent Name of the user
email	Varchar	Not null	Email of the user
house_name	Varchar	Not null	Housename of the user
state	Varchar	Not null	State of the user
district	Varchar	Not null	District of the user
phone_no	Varchar	Not null	Phone number of the user
license_type	Varchar	Not Null	License Type of the user
blood	Varchar	Not Null	Blood group of the user
image	Varchar	Not Null	Image of the user
aadhar	Varchar	Not Null	Aadhar of the user
sslc	Varchar	Not Null	SSLC Certificate of the user
is_approved	Varchar	Not Null	Approved/Not
paystatus	Varchar	Not Null	Payment Status
pay_date	date	Not Null	Payment Date

Table No: 08
Name: tbl_leave

Primary Key: leave_id

Foreign Key: reg_id

Description: keeps information about the Leave details of the instructor

Field	Data type	Constraints	Description
leave_id	Int	PK	Institution Vehicle Registration id
reg_id	Int	FK	Registration ID
first_name	Varchar	Not null	First name of the Instructor
last_name	Varchar	Not null	Last name of the Instructor
leave_type	Varchar	Not null	Leave Type
start_date	date		Starting date of Leave
end_date	date		Ending date of Leave
leave_session	Varchar	Not null	Leave Session
applied_on	date		Applied date
is_approved	Varchar	Not null	Approved/Not

Table No: 09
Table Name: tbl_renewal
Primary Key: renewal_id
Foreign Key: reg_id
Table Description: keeps information about renewal of license

Field	Data type	Constraints	Description
renewal_id	Int	PK	Renewal license id
reg_id	Int	FK	Registration id
first_name	Varchar	Not null	First name of the user
last_name	Varchar	Not null	Last name of the user
age	Int	Not null	Age of the user
gender	Varchar	Not null	Gender of the owner
parent_name	Varchar	Not null	Name of the parent of user
house_name	Varchar	Not null	House Name of the user
state	Varchar	Not null	State of the user
district	Varchar	Not Null	District of the user
email	Varchar	Not null	Email of the user
phone_no	Varchar	Not null	Phone number
license_type	Varchar	Not null	Type of the license
date_of_issue	date		Date of issue
expiriry_date	date		Expiry date
blood	Varchar	Not null	Blood group
image	Varchar	Not null	Image of the user
identity_proof	Varchar	Not null	Identity proof of the user
dob_proof	Varchar	Not null	SSLC Certificate of the user
driving_license	Varchar	Not null	Driving License of the user
is_approved	Varchar	Not null	Approved/not
paystatus	Varchar	Not null	Payment Status
pay_date	Date	Not null	Payment Date

Table No: 10

Name: tbl_user_inst_reg

Primary Key: user_inst_reg

Foreign Key: regid

Description: Store the Institution registration of the user

Field	Datatype	Constraints	Description
user_inst_id	int	PK	User Institution ID
regid	int	FK	Registration ID
fname	Varchar	Not null	First Name of the user
lname	Varchar	Not null	Last Name of the user
age	Varchar	Not null	Age of the user
gender	Varchar	Not null	Gender of the user
email	Varchar	Not Null	Email of the user
house_name	Varchar	Not Null	House Name of the user
state	Varchar	Not Null	State of the user
district	Varchar	Not Null	District of the user
is_approved	Varchar	Not Null	Approved/Not

Table No: 11

Name: answer

Primary Key: ansid

Foreign Key: qid

Description: stores the answers of the test

Field	Data type	Constrain	Description
ansid	Int	PK	Answer id
qid	Int	FK	Question id

Table No: 12
Name: tbl_vehicle_details

Primary Key: vehicle_id

Foreign Key:

Description: Store the details of the user

Field	Datatype	Constraints	Description
vehicle_id	int	PK	Vehicle ID
vehicle_no	Varchar	Not null	Vehicle Number
vehicle_name	Varchar	Not null	Name of the Vehicle
first_owner	Varchar	Not null	First Owner of the vehicle
issurance_policy_no	int	Not null	Issurance policy number
issurance_company	Varchar	Not null	Issurance Company
issurance_validity	date		Issurance Validity
owner_name	Varchar	Not Null	Owner Name of the user
registering_authority	Varchar	Not Null	Registering Authority
registration_date	date		Registration Date
vehicle_age	Varchar	Not Null	Vehicle Age
pucc _No	Varchar	Not Null	Pollution control certificate number
pucc_validity	date		Pollution control certificate validity
tax_validity	date		Validity of tax

Table No: 13

Name: tbl_vreg

Primary Key: vreg_id

Foreign Key: reg_id

Description: keeps information about the registration of the vehicle

Field	Data type	Constraints	Description
vreg_id	Int	PK	Vehicle registration id
reg_id	Int	FK	Registration id
first_name	Varchar	Not null	First name of the user
last_name	Varchar	Not null	Last name of the usre
age	Int	Not null	Age of the user
house_name	Varchar	Not null	House Name of the user
state	Varchar	Not null	State of the user
district	Varchar	Not null	District of the user
email	Varchar	Not null	Email of the user
phone_no	Varchar	Not null	Phone number
dealer_name	Varchar	Not null	Name of the dealer
dealer_address	Varchar	Not null	Address of the dealer
vehicle_name	Varchar	Not null	Name of the vehicle
vehicle_type	Varchar	Not null	Type of the Vehicle
fuel	Varchar	Not null	Fuel type
weight	Int	Not null	Weight of the Vehicle
seating_capacity	Int	Not null	Seating capacity of the vehicle
image	Varchar	Not null	Image of the vehicle
identity_proof	Varchar	Not null	Identity proof of the user
aadhar	Varchar	Not null	Aadhar of the user
sslc	Varchar	Not null	SSLC Certificate of the user
vehicle_img	Varchar	Not null	Vehicle Image
is_approved	Varchar	Not null	Approved/Not
paystatus	Varchar	Not null	Payment Status
pay_date	Date	Not null	Payment Date

Table No: 14
Name: tbl_ownership
Primary Key: owner_id

Foreign Key:reg_id

Description: keeps information about the ownership transfer

Field	Data type	Constraints	Description
owner_id	Int	PK	Owner id
reg_id	Int	FK	Registration id
first_name	Varchar	Not null	First name of the owner
last_name	Varchar	Not null	Last name of the owner
age	Int	Not null	Person to be registered as reg. owner
house_name	Varchar	Not null	House name of the user
state	Varchar	Not null	State of the user
district	Varchar	Not Null	District of the user
email	Varchar	Not null	Email of the user
phone_no	Varchar	Not null	Phone number
dealer_name	Varchar	Not null	Name of the dealer
dealer_ address	Varchar	not null	Address of the dealer
recipient_fname	Varchar	Not null	First Name of the recipient
recipient_lname	Varchar	Not null	Last Name of the recipient
recipient_ house_name	Varchar	Not null	House Name of the recipient
recipient_ state	Varchar	Not null	State of the recipient
recipient_district	Varchar	Not null	District of the recipient
vehicle_number	Varchar	Not null	Number of vehicle
vehicle_name	Varchar	Not null	Name of the vehicle
vehicle_type	Varchar	Not null	Type of the Vehicle
fuel	Varchar	Not null	Fuel type
weight	Varchar	Not null	Weight of the Vehicle
seating_capacity	Varchar	Not null	Seating capacity of the vehicle
is_approved	Varchar	Not null	Approved/not
paystatus	Varchar	Not null	Payment status
pay_date	Date	Not null	Payment Date

Table No: 15

Name: history

Primary Key: hist_id

Foreign Key: eid

Description: stores the history of the test

Field	Data type	Constraints	Description
hist_id	Int	PK	History id
eid	Int	FK	Quiz id
email	Varchar	Not Null	Email id
score	Int	Not Null	Score of the exam
level	Int	Not Null	No of questions
sahi	Int	Not Null	Right Answer
wrong	Int	Not Null	Wrong Answer
date	timestamp	Not Null	Date & time of the exam

Table No: 16

Name: option

Primary Key: optionid

Foreign Key: qid

Description: stores the options of the test

Field	Data type	Constraints	Description
optionid	Int	PK	Option id
qid	Int	FK	Foreign Key
option	Varchar	Not Null	Options of the exam

Table No: 17

Name: questions

Primary Key: qid

Foreign Key: eid

Description: stores the questions of the test

Field	Data type	Constraints	Description
qid	Int	PK	Question id
eid	Int	FK	Quiz id
qns	Varchar	Not null	Questions of the test
choice	Int	Not null	Choice of the test
Sn	Int	Not null	Sn No

Table No: 18

Name: quiz

Primary Key: eid

Foreign Key:

Description: stores the questions of the test

Field	Data type	Constrain	Description
eid	Int	PK	Quiz id
title	Varchar	Not null	Title of the quiz
sahi	Varchar	Not null	Right answer of the quiz
wrong	Int	Not null	Wrong answer of the quiz
total	Int	Not null	Total no of questions
time	bigint	Not null	Time taken to complete the exam
tag	Varchar	Not null	Zone of the user
date	timestamp	Not null	Date and time of the exam

Table No: 19
Name: tbl_accident_details

Primary Key: accident_id

Foreign Key:

Description: stores the accident details of the vehicle

Field	Data type	Constraints	Description
accident_id	Int	PK	Accident id
vehicle_no	Varchar	Not null	Vehicle number
fir_no	Int	Not null	FIR No
time_of_accident	time		Time of accident
date_of_accident	date		Date of accident
name_of_place	varchar	Not null	Name of place
police_station	varchar	Not null	Name of the police station
district	varchar	Not null	District
state	varchar	Not null	state
accident_type	varchar	Not null	Type of the accident
no_of_persons_killed	int	Not null	No of person's killed
no_of_persons_injured	int	Not null	No of person's injured
type_of_collision	varchar	Not null	Type of collision
speed_limit	varchar	Not null	Speed limit of the vehicle

Table No: 20

Name: rank

Primary Key: rid

Foreign Key: reg_id

Description: stores the ranking of the test

Field	Data type	Constraints	Description
rid	Int	PK	Rank id
reg_id	Int	FK	Registeration id
score	Int	Not null	Score of the test
time	timestamp	Not null	Time of the test

Table No: 21

Name: tbl_appointment

Primary Key: app_id

Foreign Key: application_no

Description: stores the Appointment details

Field	Data type	Constraints	Description
app_id	Int	PK	Appointment id
application_no	Int	FK	Registeration id
application_name	Varchar	Not null	Name of the application
name	Varchar	Not null	Applicant Name
date	date		Applied date
is_approved	Varchar	Not Null	Approved/not