AUDYOGIK SHIKSHAN MANDAL INSTITUTE OF BUSINESS MANAGEMENT AND RESEARCH

PARIVAHAN APPLICATION

1. Darshan Bhosale (213129)
2. Saundarya Bhosale (213130)
3. Dhanashri Khebade (213226)

INDEX

INTRODUCION

Regional Transport Office (RTO) is an Indian government bureau which is responsible for the registration of vehicles. RTO management will be having a lot of work regarding registration of vehicles and issue of driver's license. Similarly, the vehicle owner sometimes forgets to carry the license and forgets the insurance at the time of inquiry. This paper proposed an approach to solving such problems that are by storing all the information related to vehicle and driver at database by RTO administrator.

RTO is an advanced "Parivahan Application" which is design keeping in a view to make the existing registration and easier and faster. It includes the entire registration and insurance procedure starting from the initial phase of entering till the result. It is a more reliable, accurate, time- saving and free from any misuse. The system provides information regarding the Parivahan Application.

EXISTING SYSTEM

In this way when passing his or her vehicle number, insurance of that vehicle, etc. are taking a lot of time. And nowadays each and every person is in a hurry so by analysing and considering these problems we are developing one android application which overcomes this problem and gets a solution in an efficient way.

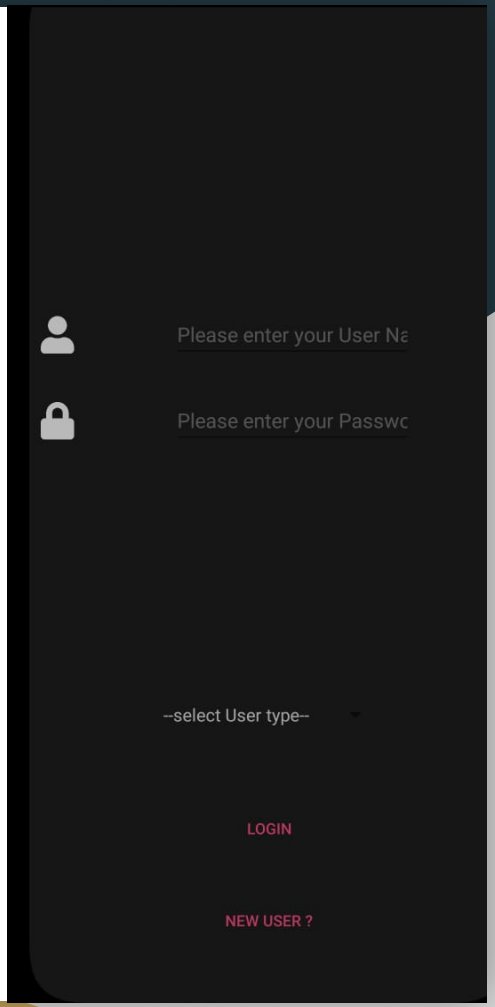
PROPOSED SYSTEM

If user wants to pass his vehicle number then also it takes time in old system but here we provide facility that user he buy new vehicle he should have to first register on our site and fill all the required and importance details of vehicle and we gives this details to RTO office directly so that this work will get complete within less time and the user get his number template easily.

The administrator is provided for authentication purposes as well as it handles all the databases of RTO and manages all the processes. pass the vehicle registration number, etc. Facilities are provided by the administrator.

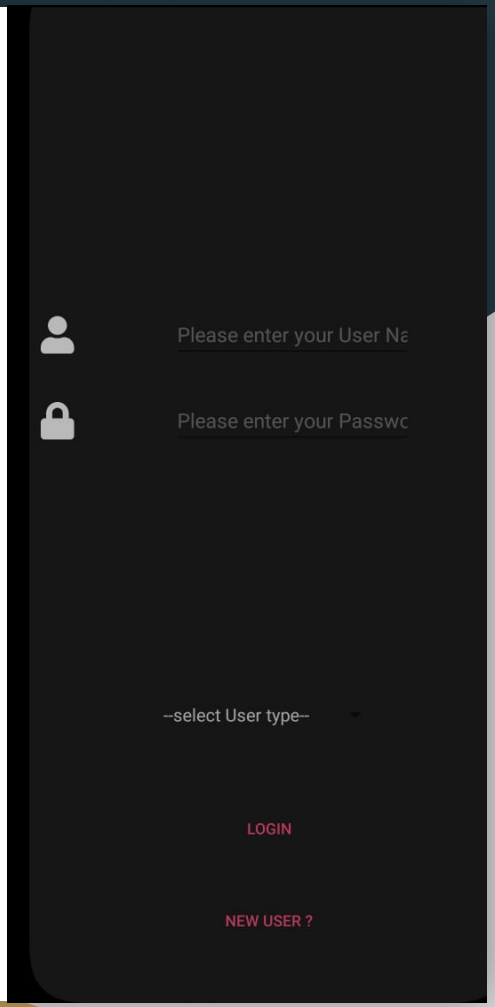
MODULE / SUB MODULE DESCRIPTION

- Admin
  - Login
  - Create Admin User
  - Manage Admin Details
  - New Vehicle Registration
  - New Driving Licence Registration
  - Search Vehicle and DL Record
  - All Record Status
  - Update Vehicle Status
  - Delete Record
  - Logout
- User
  - Registration and login
  - View Status
  - My Profile
  - Logout

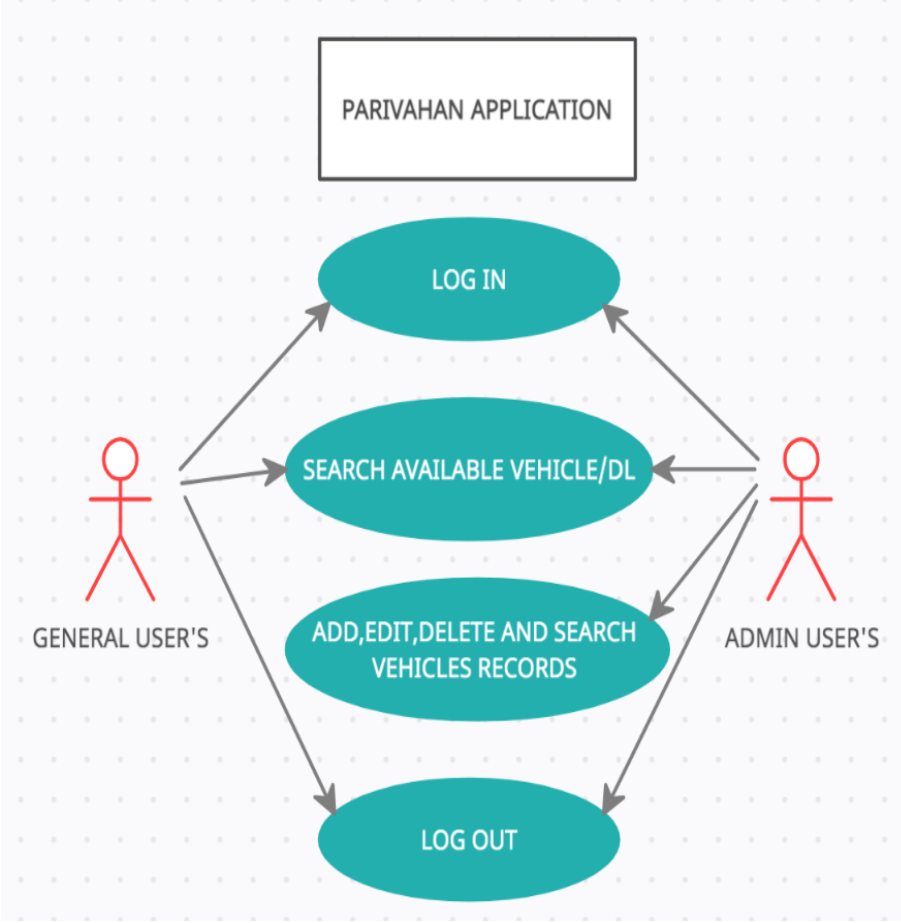


MODULE / SUB MODULE DESCRIPTION

- The app has two UI dashboards. One for admin users i.e. RTO Officer and another for general users i.e. traffic police constable to view vehicle details and driving licence status.
- Admin users can view, modify, add or delete any vehicle details entry and driving licence details. An admin user can also add another admin user.
- General users can only view specific vehicle details by searching via vehicle registration number.
- The app shows details like registration number, owner name, type of the vehicle, registration date, insurance status and pollution status of the vehicle.



USE CASE DIAGRAM

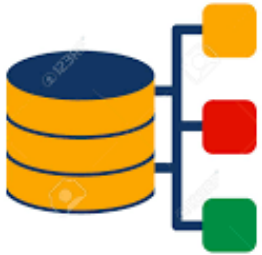


DATABASE TABLES

1 Login Table :					
Sr.No	**Name**	**Type**	**Size**	**Key**	**Description**
1	login	varchar	20		Login id
2	pass	varchar	20		Password

DATABASE TABLES

2 Admin User And General User Registration Table :					
Sr. No	**Name**	**Type**	**Size**	**Key**	**Description**
1	a_id	int	10	Primary	
2	Name	varchar	20		Name of Admin User
3	Email	varchar	30		Email Id
4	Mobi	int	10		Mobile No
5	Gender	varchar	20		Gender Option Button
6	pass	varchar	10		Password
7	Cnfpass	varchar	10		Confirm Password



DATABASE TABLE

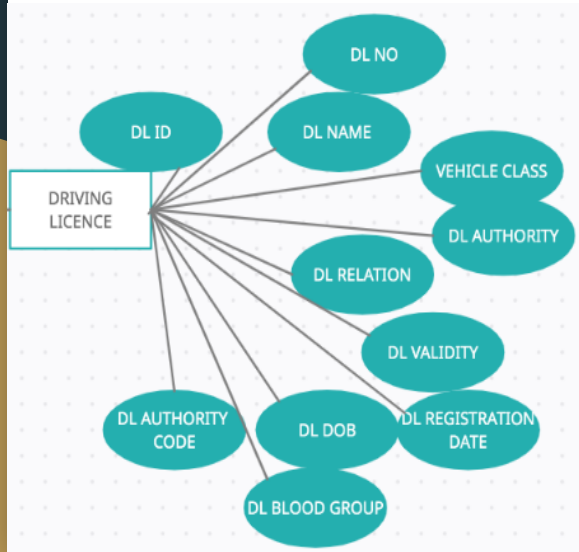
3 Vehicle Registration Table :					
Sr. No	**Name**	**Type**	**Size**	**Key**	**Description**
1	v_id	int	10	Primary	
2	v_no	varchar	20		Vehicles Number
3	o_name	varchar	30		Owner Name
4	v_typei	varchar	20		Vehicle Type
5	v_rd	varchar	20		Registration Date
6	v_ins	varchar	20		Insurance Status
7	v_puc	varchar	20		Pollution Status

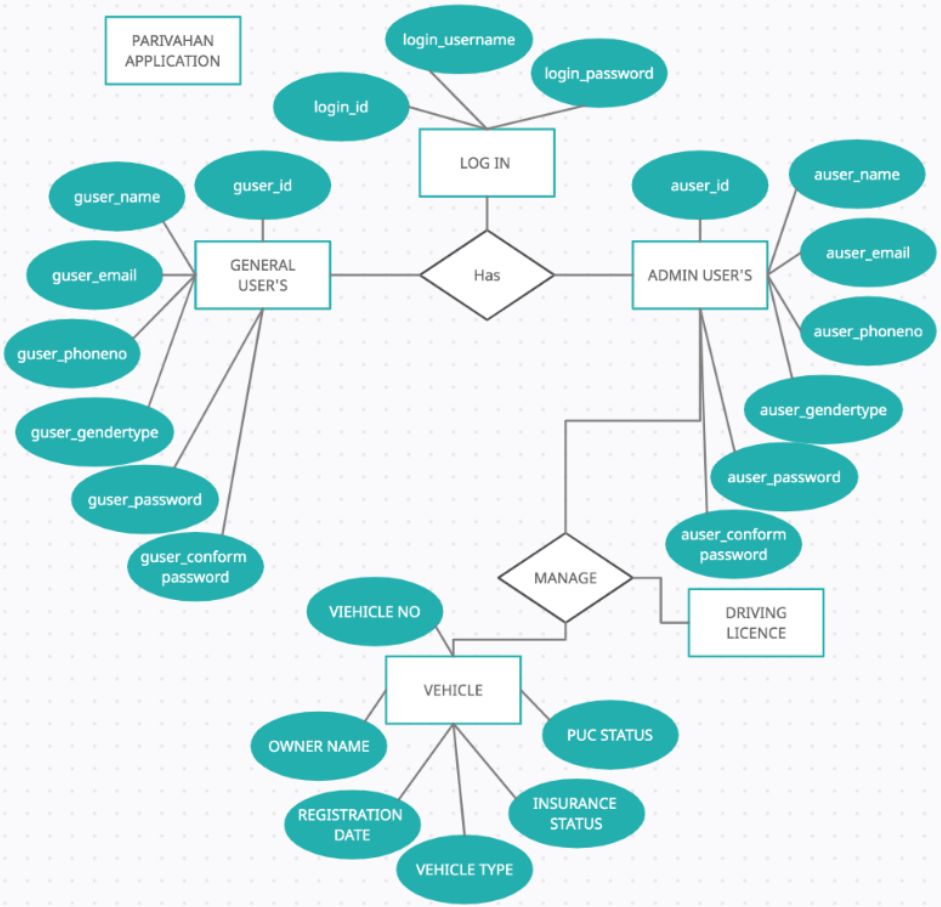
DATABASE TABLES

4 Driving Licence Registration Table :

Sr. No	Name	Type	Size	Key	Description
1	dl_id	int	10	Primary	
2	dl_no	varchar	20		DL Number
3	dl_name	varchar	30		DL Holder Name
4	dl_rel	varchar	10		Relation
5	dl_reg	varchar	20		DL Registration Date
6	dl_val	varchar	10		DL Validity
7	dl_dob	varchar	10		DL DOB
8	dl_bg	varchar	10		DL Blood Group
9	dl-type	varchar	10		Dl Type Class
10	dl_autcode	varchar	10		DL Authority Code
11	dl_autoff	varchar	10		DL Authority

ER DIAGRAM


DRIVING LICENCE
DL NO
DL ID
DL NAME
VEHICLE CLASS
DL AUTHORITY
DL RELATION
DL VALIDITY
DL AUTHORITY CODE
DL DOB
DL REGISTRATION DATE
DL BLOOD GROUP


PARIVAHAN APPLICATION
login_username
login_password
login_id
LOG IN
guser_name
guser_id
guser_email
GENERAL USER'S
Has
ADMIN USER'S
auser_id
auser_name
auser_email
auser_phoneno
guser_phoneno
guser_gendertype
auser_gendertype
guser_password
auser_password
guser_conform password
auser_conform password
MANAGE
DRIVING LICENCE
VIEHICLE NO
VEHICLE
OWNER NAME
PUC STATUS
REGISTRATION DATE
INSURANCE STATUS
VEHICLE TYPE

TECHNOLOGY USED

- **Software :**
  - **a. Front End :**
    - i. Java - A general-purpose, concurrent, strongly typed, class-based object-oriented language.
    - ii. FancyToast-Android - A library that takes the standard Android toast to the next level with a variety of styling options.
    - iii. Droid Crypt - A simple Android Library. Very easy for use this Android library for performing encryption to String with AES encryption, it can used for save to SharedPreferences
  - **b. Back End :**
    - i. SQLite Database for Android - For storing data
- **Hardware :**
  - a. Processor : Android 10 or more
  - b. Ram : 8gb