MAIN PROJECT ABSTRACT

TOPIC: REGIONAL TRANSPORT AUTHORITY SYSTEM

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REGIONAL TRANSPORT AUTHORITY SYSTEM

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"REGIONAL TRANSPORT AUTHORITY SYSTEM" is a web application developed for Road Transport Authority to facilitate the users in applying for various licenses and registrations. This tool has been designed to facilitate the flow of information within the organization. RTA provides the facility of applying licenses online, issuance of permanent license, new vehicle registration, vehicle ownership transfer, duplication of license, MCQ questions, renewal of license and receiving payments. User can apply to these services and the sub-officer can view the registration of services that is applied by the user .He has the power to approve or reject the services and the approved registration list is send to the RTO for final verification .RTO will approve these services and finally, the user can download the certificates from the application.

In main project, we are making the three extra modules such as institution, instructor and RTO

The system includes 5 modules.

They are:

1. RTO Module

1.1 Login

The main activities in the application are the user login page for user. The other modules are followed by this login page. This module records only user and password of the user. RTO can approve or reject user services. RTO can view only the filtered list of registered services. He also can able to add Institutions and add questions for the license.

1.2 New license

A driving license is an official document issued by the government of India, permitting an individual to drive a vehicle on Indian roads. This document certifies that the Regional Transport Authority System individual is eligible to drive or ride motorized vehicles such as a car, truck, bike, bus, etc., without any supervision. The RTO has access to applications that have only been approved by the sub officer.

1.3 New vehicle registration

The Regional Transport Office (RTO) is responsible for registering and keeping track of every vehicle that runs on the Indian roads. Each state has many RTOs spread across their

length and breadth and these offices offer citizens a wide range of services related to their vehicles. One of the most important services RTOs offer are vehicle registration.

1.4 Vehicle Ownership transfer

If you sell your car, it is mandatory to get the ownership of vehicle transferred to the name of the buyer. Vehicle ownership transfer which is generally called the RC transfer is important because it ensures that the vehicle and all legal liabilities related to it are transferred to the buyer.

1.5 Renewal License

Application for renewal of driving licence can be made within 30 days from the date of expiry of validity. The driving licence will be renewed for the period of five years in respect of Non-Transport Vehicle and three years for Transport vehicles.

1.6 View Institution Vehicle Details

RTO can check the vehicle is safe to travel, test the pollution test and engine details etc.

1.7 Duplicate License

If the user's driving license is lost, then the user needs to apply for the duplicate license. The final approval of duplicate license is done by the RTO.

1.8 Add Exam, Remove Exam and Add Ranking

He can remove the exam and add it zone-wise. He is able to rank the exam results as well.

1.9 Certificates

He can generate the certificates for the driving license, duplicate license, renewal license, ownership transfer and vehicle registration certificate.

1.10 Appointment

He has the authority to accept or deny the user's request for a renewal appointment for manual document verification.

1.11 Vehicle Number Plate using Image Processing

Here the vehicle number plate is fetched using image processing and also view the details about the vehicle as well as the accident.

1.12 View Generated List

He can view the generated list for the driving license, duplicate license, renewal license, ownership transfer and also vehicle registration.

1.13 Logout

The connection is finally cut off by an admin.

2. Institution Module

This website allows institutions to register. They have the authority to accept or reject requests submitted by users and instructors. The institution module also handles managing instructor leave. Additionally, this module offers traffic signs, fees, and videos about road safety.

2.1 Login

The main activities in the application are the user login page for user. The other modules are followed by this login page. This module records only user and password of the user.

2.2 Register

He can register to the site .The applicant is requested to contact the motor vehicle inspector of the area concerned and ascertain the details of the arrangements to be made for establishing a driving school and for teaching the students of a driving school. After receiving the application, the licensing authority will conduct a detailed enquiry through the motor vehicle inspector of the area and if satisfactory report is received regarding the arrangements made for the school, the driving school license will be issued

2.3 Add Instructors

Institutions can add the instructors to teach driving. Additionally, he has the authority to reject the instructors.

2.4 Add Users

Institutions can add the users. He also has the power to deny access to users.

2.5 Register the vehicle details to the RTA

Here the registration of vehicle is to ensure the vehicle is safe/not.

2.6 Provide Traffic Signs

Traffic Signs or Road Signs are signs erected at the side of roads to provide information to road users. Pictorial signs are used as symbols in place of words. As control devices for traffic, signs need full attention, respect and adequate driver's response.

2.7 Road safety videos

He can provide online videos and teach the users how to use the vehicles.

2.8 Fees and user chargers

Institution can provide the fee charges for the basic knowledge.

2.9 Leave Approval

The leave requested by the instructor may also be approved or denied by the institution.

2.10 Logout

The connection is finally cut off by an institution.

3. User Module

3.1 Services

He can register to all the services like driving license, duplicate license, renewal license, learner's license, ownership transfer etc.

3.2 Institution registration

He can register to driving school for learning the driving. He can also view the status.

3.3 Attend Exam

He is able to take exams as zone wise.

3.4 Appointment

When a user needs to reschedule an appointment for manual document submission, it happens because they neglected to do so. He can also view the status.

3.5 Download Certificates

He can download the certificates that he applied after it is approved like driving license, duplicate license, renewal license etc. He can also download the affidavit for lost driving license. Then he can apply for the duplicate license with this affidavit.

3.6 User Profile

He can view the profile and update the profile also.

3.7 Applications

He can view the applications and update all the applications as well as the documents. The applications are driving license, duplicate license, renewal license, ownership transfer, vehicle registration and learner's registration.

3.8 Logout

The connection is finally cut off by an user.

4. Sub officer Module

4.1 Driving License

A driving license is an official document issued by the government of India, permitting an individual to drive a vehicle on Indian roads. The driving licence may be approved or denied by the sub officer.

4.2 New LLR

LLR means learner license registration. it means for granting a person to drive him/her independently in road. The learners licence may be approved or denied by the sub officer.

4.3 Duplicate License

If the user's driving license is lost, then the user needs to apply for the duplicate license. The duplicate licence may be approved or denied by the sub officer.

4.4 Renewal License

Application for renewal of driving licence can be made within 30 days from the date of expiry of validity. The driving licence will be renewed for the period of five years in respect of Non-Transport Vehicle and three years for Transport vehicles. The renewal licence may be approved or denied by the sub officer.

4.5 New vehicle registration

The Regional Transport Office (RTO) is responsible for registering and keeping track of every vehicle that runs on the Indian roads. The vehicle registration may be approved or denied by the sub officer.

4.6 Vehicle Ownership transfer

If you sell your car, it is mandatory to get the ownership of vehicle transferred to the name of the buyer. Vehicle ownership transfer which is generally called the RC transfer is important because it ensures that the vehicle and all legal liabilities related to it are transferred to the buyer. The vehicle ownership transfer may be approved or denied by the sub officer.

4.7 Logout

The connection is finally cut off by an institution.

5. Instructor Module

5.1 Login

He can login to the site.

5.2 Register to Institution

He can register to institution for teaching driving.

5.3 View institution details

He can view the driving school details.

5.4 Apply Institution

He can submit an application for the institution and check the registration status.

5.5 Fees and User Charges

He can also view the fees structure for the basic knowledge.

5.6 Apply Leave

He can apply for a leave of absence and track its progress.

5.7 Logout

He can terminate the connection.