



PROJECT:

DRIVING LICENCE ISSUER

Project Proposal BY:

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Project Title: Smart License

Project Overview

In our increasingly connected world, the need for efficient and user-friendly systems is paramount. The aim of this project is to develop a comprehensive Driving License Management System called SmartLicense for our local community. This system will revolutionize the traditional process of obtaining a driving license by incorporating modern technologies and improving overall user experience.

Key Features

1. User Registration:

- Operator will register their details and gave a unique ticket or test slip upon arrival at the center, streamlining the process.

2. Testing Module:

- Implement computer-based tests on traffic signals for theoretical knowledge evaluation.

- Design a physical driving test module to assess practical driving skills.

3. License Issuance:

- Generate a learner's license valid for a specific period upon successful completion of the computer-based test.
- Facilitate the issuance of a permanent license after the completion of a physical driving test.

4. Digital Notifications:

Implement an SMS notification system to keep users informed about their application status, test results, and license issuance.

5. Optional Home Delivery: Users can opt for home delivery of their license, adding convenience to the process.

4. Administrative Interface:

- Admin login for system operators.
- Admin dashboard displays user details, test results, and license status.

Feedback Mechanism:

- Incorporate a feedback system allowing users to provide input on the system for continuous improvement.

Technologies Used

Programming Language: Java

Database: MONGO DB

User Interface: JavaFX

Project Workflow:

1. User Registration:

- User provides personal details to the system operator.
- System operator generates a unique token and assigns a place in the queue.

2. Learner's License Phase:

- System operator enters user information into the system.
- Learner's license issued for a specific time period.
- User pays the required fees.

3. Confirmation Phase:

- User returns after the specified time.

- Confirms personal information.
- Pays additional fees if required.

4. Computer-Based Test:

- User takes a computer-based test on traffic signals.
- Instant result form appears.
- If the user fails, they return after a specified time.

5. Physical Test:

- Users who pass the computer-based test proceed to a physical driving test.
- Results determine whether the user passes or fails.

6. Counter Confirmation:

- User goes to the counter for final information confirmation.
- System operator approves the license issuance.

7. License Processing:

- User waits for a few days for the permanent license to be processed.

8. Dual Dashboards:

- **Admin Dashboard:**
- Login for system operators.
- Manage users, questions, and license approvals.
- Ability to add, edit, or remove questions for the computer-based test.
- **User Dashboard:**

Further Changes can be done in future.

Conclusion

DriveEase is a dynamic project that involves dual dashboards, allowing system operators to manage the entire process, including questions for the computer-based test. Users experience a streamlined process from application to obtaining a permanent driving license. This project presents a practical application of Java programming skills in a realworld scenario.