**Business Requirements Document**

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System Components and Design

Purpose

The purpose of the DriverPass system is to provide comprehensive training for driving tests, including online practice exams and on-the-road training scheduling. The system should facilitate data access, reservations, tracking, and reporting to enhance the efficiency and effectiveness of DriverPass operations.

System Background

DriverPass aims to address the high failure rate of driving tests by offering better training solutions. The system will support online classes, practice tests, and driving lesson reservations, ensuring users are well-prepared for their driving exams. Key components include user management, reservation tracking, and integration with DMV updates.

Objectives and Goals

Enable users to access training materials and manage reservations.

Track changes to records and generate activity reports.

Stay updated with DMV requirements and notify admins of changes.

Provide a user-friendly interface for different user roles.

Ensure data security and integrity.

Requirements

Nonfunctional Requirements

Performance Requirements

The system must be web-based and accessible from any device with an internet connection.

It should provide real-time updates and handle multiple users simultaneously.

Regular updates should be scheduled without disrupting service.

Platform Constraints

The system should be compatible with Windows, Unix, and mobile platforms.

A robust database backend is required to manage user data and reservations.

Accuracy and Precision

User roles and access rights must be clearly defined and enforced.

Input should be case-sensitive where necessary, and the system should inform the admin of any issues.

Adaptability

User management should allow adding, removing, or modifying users without code changes.

The system should adapt to platform updates and provide necessary IT admin access.

Security

User login requires secure authentication.

Data exchange should be encrypted to protect against unauthorized access.

Implement measures to protect against brute force attacks, including account lockout mechanisms.

A password reset mechanism should be in place for users.

Functional Requirements

The system should validate user credentials during login.

The system should allow users to register and manage their profiles.

The system should enable customers to make, modify, and cancel reservations.

The system should track changes to records and generate activity reports.

The system should integrate with DMV updates and notify admins of changes.

The system should provide a user-friendly interface to manage reservations and view test progress.

User Interface

The interface should be intuitive and accessible via web browsers and mobile devices.

Different users (admin, IT officer, secretary, customers) will have specific interfaces to perform their specific tasks.

The interface should show test progress, driver notes, and reservation details.

Assumptions

Users have basic internet access and compatible devices.

The system will rely on a stable internet connection for real-time data updates.

Limitations

The system may have scalability limitations if user demand exceeds initial projections.

Budget constraints might limit the extent of customizations and future feature additions.

Gantt Chart

Please refer to the Gantt chart below for the project schedule:

A screenshot of a computer

Description automatically generated