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CS-255

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## **Business Requirements Document for DriverPass System**

### *System Components and Design*

The purpose of this project is to design and develop a comprehensive system for DriverPass, aimed at enhancing driver training for individuals preparing for their driving tests at the Department of Motor Vehicles (DMV). The client, DriverPass, desires a system that offers online classes, practice tests, and on-the-road training for improved test preparation.

#### System Background:

- DriverPass aims to address the deficiency in driver training by offering a multifaceted system comprising online classes, practice exams, and practical driving lessons. The system must support users in scheduling appointments, tracking lessons, and accessing relevant training materials.

## Objectives and Goals:

- The system should provide users with online classes, practice exams, and practical driving sessions for better preparation.
- To enable users to schedule appointments online and track their lessons seamlessly.
- The system should facilitate user registration, login, and security measures for protecting user data.

## Requirements

### *Nonfunctional Requirements*

#### Performance Requirements:

- The system should operate as a web-based platform accessible from any device with reasonable speed and responsiveness.
- Regular updates should be carried out monthly for system maintenance and improvements.

#### Platform Constraints:

- The system should operate across various platforms such as Windows, Mac, and mobile devices.
- Backend support requires a reliable database system for data storage and retrieval.

#### Accuracy and Precision:

- User identification should not be case-sensitive.
- The system should notify administrators immediately upon detecting a problem or an irregularity.

#### Adaptability:

- User management functions should allow easy modification without changing the underlying system code.
- The system should seamlessly adapt to platform updates without significant disruptions.

#### Security:

- User authentication must be secure and require unique credentials.
- The system should encrypt data transmission between the client and server.

- After multiple failed login attempts, the system should temporarily lock the account.
- A password recovery mechanism must be in place for users who forget their passwords.

### Functional Requirements

- The system shall allow users to schedule driving lessons and access online classes.
- The system shall provide users with practice exams and track their progress.
- The system shall permit registration, login, and profile management functionalities.
- Appointment scheduling, modification, and cancellation shall be available online.
- The system shall track user progress, lesson schedules, and driving instructors' details.

### User Interface

- The interface should cater to different users: admin, instructors, and students.

- Each user should access role-specific functionalities for an intuitive and user-friendly experience.
- The interface should be accessible via multiple devices, including browsers and mobile devices.

### Assumptions

- Assumed that users will have access to reliable internet connectivity.
- Assuming a minimum level of technical proficiency among users for interaction with the system.
- Assumed that the database will maintain data integrity and handle concurrent user interactions effectively.

### Limitations

- Limitation on development resources and budget might restrict the implementation of highly sophisticated features.
- Time constraints may affect the depth and complexity of certain functionalities within the system.

Campaign Name:DriverPass System  
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Last modified by: Jeury sanjos

### Gantt chart with quarters

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