# CS 255 Business Requirements Document Template

## System Components and Design

### Purpose

* To develop a comprehensive system for DriverPass that facilitates online and on-road driver training.
* The system aims to address the high DMV test failure rates by offering better preparatory tools.

### System Background

* DriverPass requires a system for online classes, practice tests, and scheduling on-the-road training.
* The system should enable data access both online and offline to cater to various user needs.

### Objectives and Goals

* The system will offer online and offline access to training materials.
* It will have a secure, role-based access control for different user types.
* The system will allow flexible management of training packages and ensure compliance with DMV standards.

## Requirements

### Nonfunctional Requirements

#### Performance Requirements

* The system will be web-based and must perform efficiently on various devices.
* Regular system updates will be deployed with minimal downtime.

#### Platform Constraints

* The system will be platform-independent and accessible via web browsers.
* A cloud database will be utilized for backend data management.

#### Accuracy and Precision

* The system will use unique identifiers for user differentiation.
* Administrators will receive prompt notifications of system issues.

#### Adaptability

* The system will allow user management changes without code modification.
* It will be adaptable to future platform updates and IT admin needs.

#### Security

* Secure login process for users with encryption for data exchanges.
* Measures against brute force attacks and a password reset feature.

### Functional Requirements

* The system will authenticate user credentials securely.
* Users will be able to manage driving lesson reservations.
* Administrators can generate and access reports for data analysis.

### User Interface

* The interface will be intuitive and accessible from mobile and desktop browsers.
* It will cater to administrators, instructors, secretaries, and students with role-specific functionalities.

### Assumptions

* Users are assumed to have basic technical proficiency and access to the internet.
* The system assumes regular digital updates from the DMV for compliance.

### Limitations

* The system design will not initially allow non-technical users to modify training modules.
* The design is limited by budget, time, and the necessity for a cloud-based solution.

### Gantt Chart

A graph with blue squares

Description automatically generated