# CS 255 Business Requirements Document Template

## System Components and Design

### Purpose

* To design a system for DriverPass that facilitates online and on-the-road training for driving test applicants, improving their success rates. The system will enable DriverPass to fill a market need for comprehensive driving education.

### System Background

* DriverPass aims to address the high failure rates of driving tests by offering a blend of theoretical online classes/practice tests and practical on-the-road training. The system requires features for managing data, user roles, reservations, and training packages, with accessibility from various devices.

### Objectives and Goals

* Develop a system that allows for online class access, practice test completion, and on-the-road training scheduling. It should support data access and modification, have robust security measures, and enable detailed activity tracking and reporting.

## Requirements

### Nonfunctional Requirements

#### Performance Requirements

* The system must be accessible online and optimized for both desktop and mobile devices. It should ensure data integrity and allow for offline data review after downloading.

#### Platform Constraints

* Must be platform-agnostic, capable of running on any standard web browser, and utilize cloud services for hosting, backups, and security.

#### Accuracy and Precision

* Implement precise user authentication and role-based access control, with a clear audit trail for all system interactions and changes.

#### Adaptability

* The system should allow for easy updates to training packages and content, with the ability to enable or disable packages as needed.

#### Security

* Detailed security protocols for user authentication, data encryption, and role-specific access rights, including administrative controls for account management and emergency access.

### Functional Requirements

* The system shall enable users to schedule, modify, and cancel reservations for driving lessons.
* The system shall allow for different training packages and custom future modifications.
* The system shall provide a mechanism for automated password resets and detailed activity tracking and reporting.

### User Interface

* An intuitive interface that reflects the proposed sketches, supporting various user roles (administrator, IT officer, secretary, customer) with tailored functionalities.
* Must be web-based, optimized for cloud operation, and offer a seamless experience across different devices and platforms.

### Assumptions

* Assuming users have access to the internet and a basic understanding of using web and mobile applications.
* The system assumes the availability of instructors and driving courses to meet the demand created by the app.
* Assuming continuous access to internet for the operational needs and regular updates from the DMV to ensure compliance with the latest requirements.

### Limitations

* Limited by the availability of qualified instructors and slots for on-the-road training.
* Budget constraints might limit the initial features that can be developed and the marketing reach.
* The system's design may initially limit the ability to customize or add new training packages without technical assistance fully.

### Gantt Chart

