# CS 255 Business Requirements Document

## System Components and Design

### Purpose

The purpose of our consulting company in this project is to assist DriverPass in building a comprehensive and user-friendly system for driver training. Our aim is to fulfill the specific requirements and objectives defined by DriverPass, ensuring that the system meets their needs and provides an effective solution for driver training.

### System Background

DriverPass aims to address the problem of inadequate driver training, as many people fail their driving tests at the DMV. The company seeks to provide a solution by offering online driver training classes, practice tests, and on-the-road training. The system should enable customers to access training materials, make driving lesson reservations, and interact with various features related to their driver training.

### Objectives and Goals

1. Develop a robust online platform that provides access to driver training materials, including online classes and practice tests.
2. Implement a reservation system that allows customers to schedule and modify driving lessons, specifying the driver, time, and car for each session.
3. Provide multiple package options for customers to choose from, incorporating different durations and additional training features.
4. Ensure the system supports user roles and rights, allowing administrators like the IT officer to manage accounts, reset passwords, and control access.
5. Implement comprehensive tracking and reporting mechanisms to monitor user activities, such as reservations made, modifications, and cancellations.
6. Establish a secure and compliant system, adhering to data privacy and DMV regulations.
7. Integrate the system with the DMV to receive updates on rules, policies, and sample questions to ensure training materials remain up-to-date.
8. Create an intuitive web-based interface with a design that aligns with DriverPass' vision, including features like test progress tracking and driver notes.
9. Develop the system using cloud-based infrastructure, ensuring scalability, reliability, and minimal technical issues for the business operations

By addressing these objectives and goals, we aim to fulfill the requirements specified by DriverPass and deliver a system that enhances the overall driver training experience.

## Requirements

### Nonfunctional Requirements

*In this section, you will detail the different nonfunctional requirements for the DriverPass system. You will need to think about the different things that the system needs to function properly.*

#### Performance Requirements

*What environments (web-based, application, etc.) does this system need to run in? How fast should the system run? How often should the system be updated?*

* [Insert text]

#### Platform Constraints

*What platforms (Windows, Unix, etc.) should the system run on? Does the back end require any tools, such as a database, to support this application?*

* [Insert text]

#### Accuracy and Precision

*How will you distinguish between different users?* *Is the input case-sensitive? When should the system inform the admin of a problem?*

* [Insert text]

#### Adaptability

*Can you make changes to the user (add/remove/modify) without changing code? How will the system adapt to platform updates? What type of access does the IT admin need?*

* [Insert text]

#### Security

*What is required for the user to log in? How can you secure the connection or the data exchange between the client and the server? What should happen to the account if there is a “brute force” hacking attempt? What happens if the user forgets their password?*

* [Insert text]

### Functional Requirements

*Using the information from the scenario, think about the different functions the system needs to provide. Each of your bullets should start with “The system shall . . .” For example, one functional requirement might be, “The system shall validate user credentials when logging in.”*

* [Insert text]

### User Interface

*What are the needs of the interface? Who are the different users for this interface? What will each user need to be able to do through the interface? How will the user interact with the interface (mobile, browser, etc.)?*

* [Insert text]

### Assumptions

*What things were not specifically addressed in your design above? What assumptions are you making in your design about the users or the technology they have?*

* [Insert text]

### Limitations

*Any system you build will naturally have limitations. What limitations do you see in your system design? What limitations do you have as far as resources, time, budget, or technology?*

* [Insert text]

### Gantt Chart

*Please include a screenshot of the GANTT chart that you created with Lucidchart. Be sure to check that it meets the plan described by the characters in the interview.*

[Insert chart]