# CS 255 Business Requirements Document Template

Complete this template by replacing the bracketed text with the relevant information.

This template lays out all the different sections that you need to complete for Project One. Each section has guiding questions to prompt your thinking. These questions are meant to guide your initial responses to each area. You are encouraged to go beyond these questions using what you have learned in your readings. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client’s needs. There is no required length for the final document. Instead, the goal is to complete each section based on your client’s needs.

**Tip:** You should respond in a bulleted list for each section. This will make your thoughts easier to reference when you move into the design phase for Project Two. One starter bullet has been provided for you in each section, but you will need to add more.  
  
Hunter Prince 5/7/2025

## System Components and Design

### Purpose

*What is the purpose of this project? Who is the client and what do they want their system to be able to do?*

* The client, DriverPass desires to create a system to help training students for their future driving exams at the DMV, desiring for them to have another approach at practicing their driving schools via an online platform, and offering on-the-road training as well.

### System Background

*What does DriverPass want the system to do? What is the problem they want to fix? What are the different components needed for this system?*

* DriverPass wants their system to provide a preparatory form of education for those seeking to pass their driving exams at the DMV. They believe that many students fail their driving test at the DMV, and with their system, they can offer extra practice before one goes and attempts their test at the DMV, ensuring that the user is far more skilled in driving before this time comes. The system will require basic data access systems, for both the client, their employees, and users, requiring different levels of security and head access for the owner, tracking appointments, identifying customers, and have them pick between various packages offered by the client to offered by the client’s motors skills programs. All of this on an online platform, using the cloud. Another core feature is an automated system that is connected to the DMV to keep an updated record of recent rule changes, and additions.

### Objectives and Goals

*What should this system be able to do when it is completed? What measurable tasks need to be included in the system design to achieve this?*

* The DriverPass system should be able to run on an online platform, with a website designed for users to pick the desired learning package from the client, of which three are offered with various degrees of hours, and optional learning practices, and be able to reset their password, and enter their sensitive data securely. The client must then be able to identify customers, assign them to drivers and be able to disable package options if they are not available to users, while admins control access from employees to ensure security, data access and proper data protection for its users. To complete this, the system must firstly be designed with the user in mind, creating a platform that is easy to access and use. Ensuring the browser is secure, as vulnerable data will be input by the user for the client to intake and use based on what pack the user has decided to purchase. It must also be designed with operations to encounter minimal technical problems from the client side and to ensure that the client is kept up-to-date automatically from the DMB themselves, through a notification and or update system tied directly to the department.

## 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?*

* DriverPass would want this system to run on a web-based platform, easy to access and easy to use, so that the stakeholders’ customers can access it from anywhere. It should be able to be used on google, Mozilla, safari, and even mobile devices, and be able to receive updates based on further desires or maintenance needs after completion.

#### 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?*

* The system should be able to run without anything, using a cloud-based database to help support the application.

#### 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?*

* Admins will be given specific access created by the stakeholder, who will control all employees’ login information, being able to create and delete at will. While customers will create their own accounts via login information presented to them upon accessing the account, from there they will pick their packages, enter information, etc. The system should alert admins if a customer needs to reset their password or change information at user request.

#### 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?*

* Yes, the controller or company head will have full access and the ability to edit user data whenever they feel the need is necessary, the company will have many different stages of employees, each with different levels of access. The IT admin will need primary access to maintain the platform and can access all accounts on the platform.

#### 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?*

* The system will run off a cloud set up so that the stakeholder does not have to deal with backups and security, because of this the system will likely be automated, letting users verify and change their own passwords at request from the server.

### 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.”*

* They shall require a web-based application to function, requiring internet access. The system also requires basic level administrative labor, including occasional maintenance, and customer service. The system shall finally need the ability to create and store user information as necessary to ensure smooth business practice.

### 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.)?*

* The interface will need to show of course the company logo, allow the user to login and or create an account, and then once they are doing so, they will need to be able to check test progress. View their information to ensure it is accurate, as well as see drivers’ notes, driver photo, student photo, and a category for special needs. The user should be able to interact with this page via a browser or a mobile device.

### 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?*

* Basic assumptions assume that they could access the platform from some form of device in their possession, and because of this the platform needs to encourage wide support. You should also assume most people using this form of site have some basic knowledge as to its access and how to use it but ensure not to overcomplicate the design.

### 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?*

* A time frame for development on this project has already been decided upon, given the first real limitation. Secondly, I view resources and budget as another limitation as this will determine overall quality and power of the application, as these are often a reflection of the budget and technology being invested into the project.

### 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.*

A white calendar with many colored squares

AI-generated content may be incorrect.