# 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.

## 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, is a company that provides customers with training to help them pass driving tests. They want to make it easier for customers to prepare for these tests.

### 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?*

* The core problem that DriverPass is trying to solve is many people having been failing their driving tests at DriverPass’ local DMV. DriverPass wants to provide customers with better access to the resources they offer that can help pass these tests.
* DriverPass wants a software system that will allow customers to take practice exams, book appointments for in-person lessons, and take lessons online.
* The system will consist of a cloud-based web application with the ability to download data for offline access.

### 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 system will provide end users with the following functions:
  + Make/modify appointments for in-person driving lessons
  + Participate in online lessons and practice tests, and track their progress
  + Add and edit user information to their profile
  + Reset forgotten passwords
* Additionally, the following features will be available to administrative users:
  + Track user data and activities on the app
  + Security functions such as resetting passwords or blocking access
  + Access to the latest DMV requirements to ensure that resources are compliant

## 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

* The system will be a web application hosted in a cloud-based environment.
* There are no complex operations involved, so the system should respond to user input quickly and reliably.
* The system should be designed with regular updates able to be performed to allow for any changes from the development team or to ensure compliance with new DMV requirements.

#### Platform Constraints

* The system will be cloud-based, so the client side will be platform independent.
* The backend will require a database, as well as a function for exporting data to excel or accessing data offline

#### Accuracy and Precision

* Different users will have different application roles (i.e. customer, admin, etc.), so access control will be needed
* Most input shouldn’t be case sensitive except for passwords
* The client specified that they want to be able to audit user activity, such as who creates or edits a reservation and when

#### Adaptability

* The client wants admin to be able to have full control over user accounts to make any necessary changes such as a password reset or locking out a former employee
* Platform updates shouldn’t be much of a concern as the app will be cloud-based

#### Security

* Each account should have a username and password, 2FA should be considered as well. Access control within the app will be role-based, so all user types can log in from the same interface.
* Best practices such as encryption, certification, and activity monitoring should be implemented.
* Number of login attempts should be limited to prevent brute-force attacks
* Passwords can be reset via a link or manually by an admin

### Functional Requirements

### 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.*

A screenshot of a computer

AI-generated content may be incorrect.