# 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 purpose of this project is to create and design a online program that will allow drivers to practice and train for their driving test. The system is called DriverPass. The client is Liam, the owner.
* The client wants the customers to be able to access this program online for registering, taking classes, and schedule appointments for the driver trainers. The client wants to access the data from anywhere that is online at anytime. Also, to be able to gain any reports necessary for data storage.

### 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 to be a system that enables customers to register, complete online training with 3 different training packages available to them.
* The system should record all information from the customer that is first name, last name, address, phone number, state and their credit card information.
* DriverPass is a program that would be a solution for people failing the drivers test with no training provided by the local DMV.

### 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 should be a program that allows customers to train and practice for the drivers test.
* The system should be able to collect the necessary data from customers to complete registration and appointments.
* The measurable tasks that need to be included are the collecting requirements from the owner.
* The user interface should be user friendly and secure with the customers information.
* The system needs to be on a cloud for easier maintainability.

## 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?*

* Cloud-based application that needs to run fast enough for downloads and uploads and to save data.
* Access an offline version for changes to user and admin personell.
* Able to track reservations and lessons.

#### 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 platform needed to run this application would be Windows.
* Able to access application from a mobile device.

#### 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?*

* Utilizing a tracking system for users that are registered for the program.
* Having a back-in login for admins to make changes as needed for users.
* System should have a notification system in place to notify admin of problems submitted by users.

#### 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?*

* IT access to reset passwords for users through a validated process through email.
* Updates to be sync through the DMV database for any rollout updates needed.
* Manual back-up if needed using pen-drives.

#### 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?*

* User must register through application with a valid email address.
* Approved by site admins for scheduling.
* Secure internet connection with encypted information flow and data exchange.
* Anti-virus protection and malware prevention programs intergrated into the application.

### 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.”*

* The system shall authenticate user information for login.
* The system shall be accessed through multiple platforms.
* The system shall run off a cloud based system.

### 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 should have a user login and password input.
* The interface should have a user-friendly navigation through the program for registration.
* Users should be able to access and register for the modules and practice exams

### 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?*

* Having the ability and required access for the DMV connection.
* Cars being registered through the program for training.

### 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?*

* The main limitation would be the budget needed to provide a functional application.
* Certain low band internet access areas for users.

### 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]

A screenshot of a computer

Description automatically generated