# 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?*

* DriverPass wants a new system built
* Take advantage of a void in the market. When it comes to training students at their local DMV
* Give the ability to users that want to practice driving perception by online practice and in-person training.

### 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?*

* Functioning online website with all required parameters that assist the user and company. The system needs to run off the web. In person consultations can be available with the secretary. The System program to be accessible via computer and phone.
* DriverPass believes there is a better need for driving training. DriverPass wants to assist clients who are seeking driving training because a frequent number of drivers are failing the DMV test.
* DriverPass team includes the boss, IT officer, and secretary to manage workflow and project achievement.

### 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 goal is to design a system for students that improves preparation for the driving test.
* Accessible data of clients and their progression to meet project objectives via offline and online.
* DMV Policies and practices must be in line with DriverPass curriculum to meet end goals for the client.

## 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?*

* Web-based application containing database over the cloud
* Office that schedules in person consultations
* DriverPass assisting customers
* System should be updated anytime the database receives update.
* Customers can contact DriverPass online and offline.

#### 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?*

* Platforms capable of searching the web include personal computers and phones (most computing platforms).
* No specific tools are put into use currently. Databases for logging customers and schedules while making dynamic changes as needed.

#### 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?*

* Distinguishing different users can be determined through their personal information including first name, last name, address, phone number, state, and their credit card number, expiration date, and security code. Therefore, there is not much need to worry about case sensitivity.
* Although backup and security details do not want to be handled endlessly. The system should inform the admin when technical problems occur or when information needs to be updated or changed, such as passwords.

#### 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?*

* Users should be able to make changes in cases of forgotten passwords or updating information.
* As platform adaptation to platform updates were not specified, the system should adapt online needs as portrayed.
* IT admin accessibility includes users accounts and system details.

#### 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?*

* Users need to have a stable network connection. The user must remember their personal account to access their account details and have a valid account with the system.
* Security and backup would want to be taken care of through web and cloud service. If cases such as brute force occur IT Liam should be able to handle issues. IT should take care of all user interaction including resetting passwords.

### 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 validate user credentials when logging in.*
* *The system shall provide physical and mental driving capabilities to customers.*
* *The system shall allow DriverPass to schedule and manage new eager drivers.*
* *The system shall educate in DMV policies.*

### 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.)?*

* User interface provides an interactable application for users.
* Off the web via browsers on mobile clients and most computer hardware.
* Users must be able to navigate through the different features set by the DriverPass system via web.
* Should show customer progression in DriverPass curriculum and maintain viewable information.

### 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?*

* How many people currently work with DriverPass
* Users can maintain a stable network connection
* Users are to possess prior vehicle driving knowledge
* Users contain proper identification
* Users possess capabilities of running the program and application

### 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?*

* Driving roads and practice area
* Limited to DMV policy
* Budget for DriverPass for overall system design including vehicles and technology etc.
* System does not contain measures for unresolved problems in the system.

### 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.*

*https://lucid.app/lucidchart/c328a639-9676-4f1e-a445-dab7b99fee7c/edit?viewport\_loc=-2067%2C-718%2C3682%2C1819%2C0\_0&invitationId=inv\_746a3b07-9aaa-485f-99b5-410dfc17a751*

