# 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 complete a business requirements document that will captures DriverPass’s needs. The client is DriverPass, and they want their system to enable students to prepare virtually for their driving test.

### 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 the system to be accessible online and offline, anywhere. Customers must be able to create, cancel, and edit their appointments. Some problems they want to fix is disabling the package if they don’t want any more customers to register for it. Some different components needed for this system would be an online test progress and should show the tests the customers took.

### 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?*

* It should be able to track all appointment changes and new ones, as well as guide customers to complete the tests. Easy maneuvering throughout the application is a must in order to guide customers.

## 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?*

* The system needs to be ran off the web, preferably over the cloud. The system will be updated based on the DMV, and they should be notified whenever they have an update.

#### 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 will be run over the cloud. The back end does require tools to support this application, like a database to input customer’s information and scheduling for the tests.

#### 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?*

* Using unique usernames and emails will help distinguish between the different users. The input will be case-sensitive to strengthen security. It should alert admins whenever an error or update occurs within the system.

#### 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, changes can be made to the user without changing its code.The system will update them of any updates made by the DMV. The IT admin must have full access over all accounts to reset passwords or to block any type of access.

#### 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?*

* Information that is required for the user to log in is first and last name, address, phone number, state, and credit card number. By using the cloud and secure network it will secure this connection. The account will be temporarily disabled until a password reset is done. The user will be able to request a password reset.

### 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 confirm appointment time and date.
* The system shall report any updates from the server.
* The system shall report available times and dates to the customers
* The system shall alert any attacks or issues with the system.
* The system shall notify customers of their appointment
* The system shall allow customers to edit or cancel their appointment.

### 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 needs for the interface needs to be intuitive and easy to maneuver for each user. The different users will be Liam, the boss, IT officer Ian, and other users. They will need certain things to allow them to reset passwords and disable accounts for the IT officer, and data accessibility for the boss to access. It will be accessed via mobile and website for the most flexibility.

### 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?*

* Some assumptions I have about this design is how easy it will be able to create and edit an appointment. As well as how soon a notification should be given to the customer. Also, if they don’t use a smart phone, will the website be similar in design to the mobile 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?*

* Some limitations I see in the design is how quick an update can occur for the users. For example, if a customer chooses 8/1 at 5pm, how soon will it be updated 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.*

[Insert chart]