# 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 is Liam, the owner of DriverPass and they want to implement a better system for driver trainings in order to increase driver test success.
* They want to provide online classes, practice tests and on-road 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?*

* DriverPass wants to system to have data accessible anywhere, in addition to online and offline. They want the ability to access the data for downloading reports and other information for other purposes. For the system to work, several components consist of maintenance of system with an IT officer, a secretary for appointments and the user to be able to make appointments, cancel, and modify online.
* Have a tracking system such as printing out an activity report

### 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?*

* Ensure to retrieve the correct inputs from potential customers to schedule appointments over the internet and have packages (plans) available and customizable whilst compiling with DMV requirements.
* Have a developer be able to implement tasks such as registration with customer personal information taken as inputs.
* Have the ability to disable certain packages – to not register for
* The system needs to be ran off the web over the cloud, and have a visual layout for the system
* Want the system to have minimal technical problems in order to focus on business aspects.
* Delivery can take a few days

## 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?*

* System needs to run off the web
* Run system off the cloud
* The system should be updated regularly to comply with that DMV changes
  + System should be able to connect to the DMV and be able to communicate for updates with rules/policies/sample questions.
  + System should be updated also in order to get notifications whenever the DMV updates

#### 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?*

* Database is needed to have access to customer information
* The system can run on windows where it can launch its system

#### 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?*

* System should inform admin of a problem when a functional requirement doesn't work as intended
* Users can have sub of a student, driver, and admins (including Product Owner)

#### 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?*

* Changes such as a user’s online test progress and other aspects of their profile such as drivers notes, user information (i.e. Special Needs) can be modified by the user.
* The Driver, another type of user, can adjust certain aspects of a student’s info such as the drivers notes to record lesson time, start hour, end hour, and drivers comments
* Secretary can also view an input form submitted by the student

#### 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 needs a login such as email/username and password.
* Hacking attempt needs safety precautions like a security system
  + Also alert admin of attempts
* User can contact admin or go through a system to reset password

### 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 allow customers to schedule appointments
* The system shall allow changes to user credentials
* The system shall record actions made by all users
* The system shall have a security protocol in case of hacking.
* The system shall have a record of every aspect of the system that can also be downloaded for offline

### 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.)?*

* Admin and Customer have different interfaces
* Customers have their own
  + Online test progress
  + Drivers Notes
  + Special needs
  + Driver Photo
  + Student Photo
  + Information (first name, last name, address, city, state, zip, phone, email, etc.)
* Admin have access to user logins, incase to reset passwords
  + But their activity is tracked for preventing potential abuse from other users with special privileges.

### 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?*

* The system is accessible with internet and the WWW
* The user (customer) must have valid credentials (personal info ex. social security, address, etc)
* The customer is paired with assigned driver when signing up

### 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?*

* Relying on internet connections
* Business proposals with the DMV when qualifying DriverPass to be credential.

### Gantt Chart

NOTE: I revised my GANTT chart that I posted in my discussion post.

