# 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 here is DriverPass and the owner Liam wants a system built that will let people sign up for driving lessons that will provide online classes and information about rules on the road.

### 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 problem is that student drivers are not getting the correct training that they need to pass their driving tests. So DriverPass wants to create driving lessons that will help these student drivers pass their test. The customers will be able to sign up for tests and online classes that will help them pass their tests. Customers can pick between three packages and then within the system they will be able to see how far they are and how they did on each part of the lessons. Liam will be able to see modifications made to appointments and be able to run reports.

### 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?*

Whenever the system is completed, customers will be able to sign up for lessons with three different packages. Eventually they want these packages to be customizable so customers can add or delete modules within the packages. Liam wants to be able to see reports on which customer is paired with which driver. The customers will be able to track their progress on the site, will show driver notes and what they have done and what they have left to do. DriverPass will receive updates from the DMV on any updates to new rules or policies within the DMV. DriverPass will have practice tests and sample questions available as well. They want the system to be cloud based, so that they can focus more on the business side than on backups and security. Ian which it the IT officer will have admin rights so that he will be able to reset password for if associates forget their passwords or if an associate is let go he can block access on their accounts.

## 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 able to run online and offline.
* Need to be able to download reports to be able to use 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?*

* The system should run on all platforms, so customers can use anywhere.

#### 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?*

* Customers make accounts and put in their information.
* Admin should get notified if a customer or employee forgets their password.

#### 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?*

* The admin can make changes to users.
* Whenever the driver tests updates, there will be updates to the practice tests.
* The IT Admin will need full access over all accounts.

#### 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 username and password to login.
* If a user forgets their password the admin will reset their account.

### 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 give feedback on users tests.
* The system shall give results of drives.

### 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 front page will have many different options.
* There is the IT officer, Secretary and the user.
* The IT officer modifies the system and maintains it.
* The secretary answers phones and makes appointments
* The customer can make, cancel and modify appointments

### 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 should help make users pass their drivers tests.
* Should help make it easier for users to study for their drivers tests.

### 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?*

* You can’t have a total offline system without possibly having data redundancy.
* Want to try to get the system done by May.

### 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.*

*![Chart

Description automatically generated]()*