# 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?*

* My Company to provide application for client that meets their needs.
* Client is DriverPass
* Client wants to create a web-based application to manage their business.
* Client wants staff and users to interact with system

### 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?*

* Client identified “void” in driving test system.
  + Client wants to fill void by providing training to people interested in getting a driver’s license. Reducing the amount of people that fail the test.

### 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?*

* Client wants web-based application to allow users and staff from DriverPass to be able to
  + Create/ edit user accounts
  + Schedule reservations and have visibility of availability of reservations.
  + Select/ purchase training packages
  + see who drivers and cars they will be working with
  + see training status
  + provide notes to students from instructors
  + stay current with DMV rules
  + provide tests
  + reset passwords
  + disable packages
  + Manage role based access and responsibility.

## 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 should be cloud based. According to Ian from DriverPass.
* System needs to be able to be scalable, as users increase.
* System should be fast to lessen user wait/ loading times.

#### 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?*

* Windows Based for use of databases and excel.
* Cloud based for user maintainability.

#### 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?*

* Each user has an input case-sensitive password and username.
* Users will be either customer or administrators.

#### 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?*

* Admin will have access to modify user and admin accounts.
* Some changes with out modifications to code. I.e. prices and packages.

#### 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 login using their username and password
* Cloud based platform should take care of security
* If Brute force attempt. Lock user account.
* Forgot password module based on user account info. Email or contact phone number.

### 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 have the ability for admins to manage accounts.
* The system shall be able to be updated with code changes.
* The system shall allow users and admins to schedule training.
* The system shall allow users and admins to modify training.
* The system shall users to purchase packages.
* The system shall allow users to see their driver/ instructor.
* The system shall be accessible and reliable.

### 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 will be pc/ mobile based.
* The interface will allow test taking and studying.
* The interface will allow for account management.
* The interface will allow scheduling.
* The interface will be interactive.

### 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?*

* Assuming there is demand for training.
* Assuming users are used to standard mobile applications.

### 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?*

* One limitation is that keeping students progressing towards completion of training will be up to the user.
* Another limitation is learning will be restrictive based on planned material.

### 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, timeline

Description automatically generated