# 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 the project is to provide a type of training for those looking to complete their driving test.
* The client is Liam, the owner of DrivePass, and Ian who is Liam’s IT officer.
* The training would provide online classes and practice tests.
* The company will also provide on the road training if requested.

### 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?*

* DrivePass wants to be able to access data online from any computer or mobile device to be able to download reports and other information.
* The system also needs a password system that would give access to the people that need it.
* The system will be able to print an activity report of reservation activity in the event of an error.

### 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 system should allow the user to get the information needed to be able to pass their driving test.
* The system should also allow the user to make a reservation for a driving time to practice with one of the team members and be able to edit the reservation if necessary.
* The system should allow the user to view the different packages selected and purchase one from the application.
* The system should allow the DrivePass team access to certain data based on the needs provided by the client. Assign

## 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 on any computer or mobile device.
* The system should be fast enough so that there are no delays between the system and the user.
* The system should be updated frequently with any new information regarding passing the driving test.
* The system also needs to be updated with access for new customers or employees.
* The system will give a notification when an update from the DMV is available.

#### 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 a Windows platform as well as a mobile browser.
* The system should be able to access the driving test requirements database to make sure the users have the correct information.
* There could also be a database with the customers and employees when it comes to scheduling training.
* The database with the different packages offered should be supported.

#### 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?*

* Users will have different logins that the create when making a profile.
* This will allow for the admin to be able to differentiate the users.
* The input should be case sensitive and match exactly.
* The admin should be alerted of any problems immediately.

#### 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?*

* User information can be updated by the people given access by the admin to make changes.
* Passwords will be automatically reset is the user forgets it.
* Any modifications will be sent to the admin on an activity report.
* IT admin should be given full control for maintaining the system and modifying it.
* The user should be able to modify the appointment if they need to.

#### 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?*

* The user creates a username and password for login use.
* You can use digital certificates to make the connection secure.
* The account should be locked out if hacking is attempted.
* Passwords should be automatically reset of the user forgets it.

### 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 users to create an account.
* The system shall validate the user credentials when logging in.
* The system shall

### 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 needs to be simple and easy to understand for all users.
* The interface should be different for employees and customers and admin.
* The interface should show the online test progress and driver notes.
* The interface should have the user’s information and allow it to be edited.
* The interface should show a photo of the user as well as the phot of the instructor.
* The interface should have a way to contact the company if the suer needs to.

### 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 layout of the different parts is not addressed.
* The user knows how to access the internet on the computer or mobile device.
* The user needs to have a device that is connected to the internet.
* The user should understand how to navigate an 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?*

### 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