# 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 aid drivers who are in the looking to pass their driving test.
  + The client of this project is named DriverPass and they want their system to be able to aid in them creating a website which will allow for students an opportunity to practice their driving test exams. This will be done in the form of a practice test. The desired system is to require a driving training book.

### 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 their system to aid in the issue people experience in failing their written driving exam.
* The prom they want to fix is the failing of the driving test. They want to provide an opportunity for student drivers to take a practice exam before their actual exam.
* They want their system to have user-based access to their platform.
  + This platform will help in tracking reservations, cancelations, and various other driving related systems that are related to drivers training.

### 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?*

* When the system is completed clients of the platform should be able to book, modify, and cancel their driving exam through their working website.
  + Clients should be able to utilize practice tests and driving course material once system is completed.
* Some measurable task that are needed to be included in the system designed to achieve this is

To established roles based on user privilege.

* + Another task would be to determine the OS and UI to build the DrivePass website.

## 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?*

* This system will need to be ran on a web-based cloud platform.
* The system must be able to run fast to assure client experience isn’t compromised.
* The system will have cloud based system security .

#### 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 be windows based.
* Backend will require a database to support application.

#### 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?*

* Distinguishing users will be utilized through user created username.
* There will be two factor authorization to access account to assure client account safety.
* The system will have a “report this information” button to be utilize in case of bugs or performance issues.

#### 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 user will be able to make changes without changing the code.
* The system will introduce system updates and feature upgrades.
* The It admit will need full access to be able to support the application.

#### 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 requirements user will need to log in is a username and unique strong password. In addition, two factor authorization will be utilized.
* The system will disable accounts that exceed five attempts of incorrect login in an preventive effort to stop brute force attacked.
* The cloud web-based platform will be responsible for the exchange of client and server.

### 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 validate user credentials when logging in.
* The system shall allow for booking and modifying of bookings.
* The system shall allow access to practice test and resources for driving test.
* The system shall run fast.
* The system shall provide access based on user privilege.
* The system shall show completed and in progress work.

### 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 provide the client option to make their reservations for driving appoitments and practice exams.
* The interface will allow DrivePass employees access to make as needed modifications to the system.
* The user will be able to interact with the interface seamlessly regardless of platform.

### 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?*

* There is no set and stone budget and due to this we will be freely creating.
* DrivePass needs more employees to build and create their web page.

### 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?*

* There is no budget constraints.
* There is five months to build the platform.

### 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.*

A screenshot of a calendar

Description automatically generated