# 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 named, DriverPass, they want their system to be able to track the status of their customers, schedule training sessions,**

### 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?*

* **They want the system to act as a training platform for the drivers license test. They want to solve the issue of a high failure rate that accompanies the driver license test. They will need website, a database, a scheduling system and a cloud server to access the information off campus.**

### 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 needs to be able to schedule training sessions, organize and manage a calendar, and hold a profile for each client that displays all their information both to them and the company owners.**

## 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 a cloud server and a website. The system should run at the industry standard speed and should be updated in real-time as changes are made to the website.**

#### 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 web-based platforms. There needs to be a database to hold the client information.**

#### 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 client will be given a unique identifier to ensure privacy and a smooth operating environment. Yes the input will be case-sensitive. The moment a problem occurs.**

#### 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?*

* **Yes, it will be apart of the updating process. The IT admin will have full access.**

#### 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?*

* **There will be a password requirement. The account will lock itself after a specified number of failed password attempts. The password can be reset using the personal information the client provides when creating the profile.**

### 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 offer registration for students, instructors, and administrators**
* **The system shall offer the ability to manage and organize courses**
* **The system shall be compatible with external systems and third-party tools**
* **The system shall have a library or repository for storing learning resources and student information**
* **The system shall protect student and administrator information**
* **The system shall be able to report a students progress and provide course analytics.**

### 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 able to access all the system applications and be easy to use for the clients. There will be a separate interface for the administration.**

### 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 accessibility of computers and the use of modern computers with standard operating systems.**

### 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?*

* **The system design and security will be industry-standard but will lack depth due to budget constraints.**

### 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 computer

Description automatically generated