# 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 company that this project is being created for is DriverPass. The purpose of their system is to provide exams and on the road training for student drivers. This will improve their system operations for the company as well as provide the service for driving students and increase their client numbers.

### 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?*

* This system will fix the clients’ problem of organization for the user-friendly website. It will include many components and features to create a solution that helps the business objectives and helps increase their business from a competitive market of other companies.

### 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?*

* To automate manual tasks to increase efficiency.
* To improve the accuracy of data to increase decision-making.
* To enhance the communication and collaboration of the users and departments.
* To make the system user-friendly/
* To ensure the system’s scalability and adaptability for future changes.

## 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 have quick response times for the users to have a smooth experience.
* The system should be able to handle a large number of users without losing its performance quality.
* The response times cannot exceed their thresholds.

#### 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 platform needs to be able to work on multiple platform including desktop and mobile. Compatibility is important for the system to run on the customer's existing devices.

#### 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?*

* The system’s accuracy and precision needs to function on a high level. This is needed for calculation and reporting functionality reports.

#### 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 system needs to be flexible. This means it needs to be easily edited to accommodate future business needs and changes. It should be able to easily integrate with other third-party systems involved.

#### 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 system needs to have strong security measures in place. Sensitive data must be protected at all costs from unauthorized access, modification, or disclosure.
* User authentication and authorization need to be put in place to ensure appropriate the access controls.
* Data and storage need to be encrypted to help remain confidential.

### 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 the user login credentials.
* The system shall provide the driver’s information with a driver’s application form.
* The system shall validate the driver documents, license, and insurance.
* The system shall manage the driver profiles, personal information, and document storage.
* The system shall provide an analytics dashboard with driver acquisition and retention metrics.

### 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 user-friendly and easily navigable.
* Different users that are needed for the system are the drivers, administrators, and users’ analytics.
* Drivers need to be able to submit applications and manage their profiles.
* Admins need to be able to manage driver accounts, review documents, and access analytics.
* Users need to be able to access and view the analytic data.
* The interface needs to be web-based and accessible from the different web browsers.

### 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?*

* Users should have basic knowledge on how to navigate a computer and the web browser.
* The administrator must have the knowledge and skills to manage and maintain the system.
* There must be reliable internet connection to access the system.

### 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 a limited budget for the maintenance and development of the system.
* There is a limited set time to complete the creation of the system.
* The system will start with availability in one language, English.

### 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 graph

Description automatically generated*