# 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?*

* Driverpass would like us to help them with making a system into a website that can give the students the ability to practice their exams or book appointments for training.

### 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?*

* Help with students failing the driving test.
* Would like to solve this by giving classes, appointments, practice exams
* Should be able to access the website anywhere in the world.
* Have in-depth security for each student and admin
* Tracks appointments, students, exams

### 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?*

* Goal is a fully functional website that gives customers/students the needed training and ability to book appointments.
* Allow certain users to see and change things on the website
* Use one operating language
* Need to use UML, process, and object models

## 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?*

* Ability to be updated whenever there is a new update
* Fast enough for the average user with low patience
* Cloud based network

#### 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?*

* Linux
* Cloud to manage security and end of databases

#### 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 student/customer will have a different login as in username and password.
* When there is an error, too many login attempts

#### 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?*

* Ability to modify users or even remove them
* IT support will have access in case of a needed update or glitch

#### 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 will have password and username
* If forgot password then they can reset via email
* Locks account after 5 wrong attempts
* Cloud has backup information and keep data

### 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 give practice exams and appointments
* The system shall run fast
* The system shall show test score and completion
* The system shall show what customer is going to be with driver

### 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.)?*

* Will show customer the process of booking an appointment
* Will allow the employees to make changes or see certain things like appointments
* Able to view on different devices, laptop, desktop, phone, tablet

### 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?*

* Everyone has internet
* Have phone
* Able to read
* Budget level

### 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?*

* 5 months to build
* No budget outline
* Limited time to build a functional and well taken care website

### 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.*

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