# 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 Liam, owner of DriverPass. They want to address the learning process toward driving tests in hopes to lessen failure percentage.
* Liam would like his clients to be able to access online classes as well as practice quizzes and on-the-road 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?*

* The problem DriverPass is hoping to fix is the failure rate of drivers test at the DMV.
* DriverPass wants the system to provide drivers with exceptional resources such as online quizzes and classes as well as on-the-road training that the customer can request online for 2 hour 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?*

* The system should have a reservation system where the customer can create/edit/cancel appointments online.
* A section where a user can create an account so the appointments track to their name as well as the courses saving the progress at which they had stopped last. Should be able to access from any device if the user is online.
* Employees should also be able to track the progress of each user as well as appointment history.

## 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 client prefers the system to be web-based over cloud to have minimal technical problems. The system should run fast and be able to maintain a growing user count so users can log in with little to no complications. The system should be updated often and automatically update for users to maintain stability.

#### 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 multiple platforms so there is an opportunity for everyone to be involved. As the system would run over cloud, no extra tools will be needed for the back end as the cloud provides the features as well as the security.

#### 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 be distinguished as they have an initial registration when accessing the website which would then have the enter a case-sensitive username and password. The system should inform the admin of a problem the moment it 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?*

* The admin would be able to make changes when given full access to the cloud without changing code. This would then allow the admin to have full awareness of any attempted breaches to then deny these breaches and adjust accordingly, they would also ensure that the system runs smoothly.

#### 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?*

* To log in, the user would first need to contact the secretary with their name, address, email, phone number and payment information. After this is all recorded, they would then register with a username and password. With this information, the admin would then be able to have access to the reports of each account and track the location of each login. The cloud would then be responsible for the data exchange between the client and server. If the admin is aware of any hacking attempt, they would then be able to shut it down and send a notification to the user to suggest them to change their password. If the user forgets their password, they would be able to change their password after verifying their identity.

### 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 show a prompt to enter in a valid username/password
* The system shall provide courses and practice tests
* The system shall show three different packages
* The system shall allow reservations to be booked
* The system shall provide a driver to train with
* The system shall run smoothly and quickly
* The system shall show progress within each course
* The system shall protect user information
* The system shall allow administration to keep track of users

### 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 user should be able to log in on to any device if they are connected to the internet. The user should have access to booking and modifying appointments as well as changing their own information. The user should be able to access courses and practice tests.

### 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?*

* Assumptions that can be made are that there is access to all technology required to make the system work as well as having all covered within the budget.

### 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?*

* Limitations could be a small deadline without a budget limit meaning the amount of employees needed to build the system isn’t set which means everyone needs to keep an open mind and work efficiently, typically with an agile approach.

### 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 close-up of a chart

AI-generated content may be incorrect.