# CS 255 Business Requirements Document Template

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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 the project is to create an application that allows users to have better access to materials to aid them in taking their driving test. The client is Driverpass, represented by Liam (owner) and Ian (IT Officer). They want their system to provide training resources in the form of online classes and practice tests, with a new system being able to facilitate these needs.

### 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 the system to allow users to take online classes and practice tests. The system would allow users to adjust and customize their learning material as needed, provide them with feedback and progression updates, allow for offline report generation via excel, and provide the user with any updates that might affect their driving experience. In addition, Driverpass also allows users to engage in real life mock driving tests that can be appointed through the application.
* The problem they want to fix is the amount of failing DMV tests. Driverpass desires to fill the niche that doesn’t currently exist with their new application by combining online lessons, practice tests, and real-world driving appointments in one place.
* On the users end, the components needed would be an interface to access the different learning materials, which includes account management, lesson scheduling, training package options, online classes with practice tests and progress tracking, plus basic communication tools
* On the backend side of things, the system needs a database, scheduling, security, reporting, DMV integration, and cloud hosting. Whilst also needing a portal for the secretary, drivers, admin/owner, and IT officer.

### 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 will allow for users to register, view and schedule lessons and view learning materials, and track their overall progress. While on the backend staff should be able to monitor user activity, maintain security, and generate reports. The application will also be up to date on DMV updates connected via cloud. As for measurable tasks, the system must be able to: handle accounts, create schedules, training, reporting, security, and handle DMV updates.

## 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?*

* [Insert text]

#### 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?*

* [Insert text]

#### 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?*

* [Insert text]

#### 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?*

* [Insert text]

#### 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?*

* [Insert text]

### 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.”*

* [Insert text]

### 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.)?*

* [Insert text]

### 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?*

* [Insert text]

### 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?*

* [Insert text]

### 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.*

[Insert chart]