# 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 DriverPass. Driverpass wants a system developed to provide online classes and practice tests for driving exams, offer on-road training scheduling and management and allow access to data and reports offline and online. This all needs to be secure, with an emphasis on role-based access for different types of users.
* Offer on-road training scheduling and management.
* Develop a system to provide online classes and practice tests for driving exams.
* Allow access to data both online and offline.
* Ensure security and role-based access for users

### 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 is that the fail rates are very high due to under training or inadequate training. Driverpass wants Online class and practice test access, scheduling and managing of lessons, different role assignment for varying levels of access, tracking and reporting of user activity, integration with local DMV (Department of Licensing), cloud-based and easy to use interface and scalability, namely in the way of future flexibility with the ability to add or remove user-packages as needed.
* Scheduling and managing driving lessons.
* Access to online class and practice test.
* User roles with varying levels of access.
* Tracking and reporting of user activities.
* Integration with DMV (DoL Equivalent) for updates.
* Secure, cloud-based, and easy-to-use interface.
* Future flexibility to add or remove training packages.

### 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?*

* When the system is finished, this should allow for customers (users) to make and cancel or modify (dates, times) driving lesson online, provide online access to practice tests and track user progress (data storage), integrate with the DMV (DoL Equivalent), provide secure access with role-based perms, enable tracking of user activities like reservations and reservation modifications.
* Provide access to practice tests and progress tracking.
* Allow customers to make and cancel reservations.
* Generate and download reports for statistical analysis and other forms of analysis.
* Maintain secure access with role-based permissions.
* Integrate with DMV (DoL Equivalent)for updates.
* Enable tracking of user activities.

## 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]