# 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 DriverPass needs a new system to be created that will fulfill a void in the market for student driver training as it concerns the current lack of available resources/training for driving tests at their local department of motor vehicles.

### 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 client wants their users to be able to access their information from anywhere when online so that they can download their reports as well as additional information that they would be able to work on at home.
* The system will consist of a mobile device or computer that individual users will use to connect to the client’s server, where this information will be stored and accessed.
* The system should also provide role-based access where the client’s employees are able to access various data or system functions based on their position in the company.

### 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 provide the users with the following functionality:
  + The system should allow the client to create an account for new customers who call their office and provide the necessary details for registration. This information should include their first and last names, address, phone number, state, credit card number, the expiration date of the card, as well as the security code. They also need to include the location of where they want to be picked up and dropped off.
  + Take online classes.
  + Take online practice tests.
  + Provide a method for scheduling/reserving on-the-road training online.
  + Have the ability for users to choose from one of three different driving appointment packages.
  + The client with the ability to disable packages if they decide they do not want any more customers to register for it.
  + Provide a method for users to schedule, cancel, or modify office appointments.
  + Track what users make and cancel reservations and who last modified them. Includes the ability to access reports in case something goes wrong so that mistakes are easily identifiable by the appropriate staff.
  + Track which users are matched up with which drivers, what time their appointments are, and which cars will be used for the appointments.
  + Provide a method for users to reset their password if they forget it.
  + Provide the client’s employees with the ability to connect with the DMV so that the DMV can update the client with any changes the DMV might make, such as new rules, policies, or sample test questions. The system should be notified when the DMV does make such changes.
  + Provide users with information including their online test progress, their personal information, notes the driver left, and special needs for the user, as well as a photo of the driver and student.
  + Access to contact information for the office.

## 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]