# 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.

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## 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?*

* Through online courses, practice exams, and on-road instruction, Liam, the owner of DriverPass, hopes to improve driving instruction.
* DriverPass, the client, sees an opportunity to capitalize on a gap in the market by preparing students for their driving exam at the local DMV.

### 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?*

* Liam needs to be able to access data both offline and online. In order to download reports and information, Liam wants to be able to access data online from any computer or mobile device.
* Ian, the IT officer, has administrative access to grant complete control over accounts in the event that a user's password needs to be changed and to prevent access in the event that someone is fired. tracking of made, canceled, and changed reservations. The owner of DriverPass has access to tracking information and can print activity reports.
* Reservations for two-hour driving lessons will be available. It should be possible for users to book reservations for the day and time of day using their account. Keep track of the user, time, and vehicle that is paired with them. Offer three different packages for booking. Eventually, it would be nice to have the ability to add and remove packages. Ability to disable packages in the event that no users sign up.
* Online appointment scheduling, cancellation, and modification are available to users. When registering, users enter their first and last names, address, phone number, state, credit card number, security code, and expiration date. Add the locations for pickup and drop-off.
* Current modifications with the DMV. In order to provide new updates for new rules, policies, or sample questions, DriverPass is connected to the DMV.

### 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?*

* After completing DriverPass, clients will be able to select from three different driving packages:
  + #1: A trainer for six hours in a car
  + #2: Eight hours of driving with a trainer and a face-to-face instruction where we go over DMV regulations
  + #3: Twelve hours of driving instruction with a trainer, an in-person class where we go over DMV regulations and procedures, and access to our online course with all the information and resources. Practice exams are also included in the online course.

## 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]