# CS 255 Business Requirements Document

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 this project is to create a system for a client named DriverPass, which aims to address the need for better driver training and develop a scheduling system to provide students better driver training.

The client, Liam, is the owner of DriverPass. DriverPass is a company that seeks to provide driver training services to help individuals prepare for their driving tests at the local Department of Motor Vehicles (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?*

The client, Liam, is the owner of DriverPass and wants the system to improve driver training. The system should offer online classes and practice tests. Additionally, the system should support students with on-road training, scheduled at their convenience.

The problem that DriverPass aims to fix is the need for improved driver training and appointment scheduling services. The client, Liam, mentioned that there is a trend in the market of high failure rates in driving tests and wanted to take advantage of this void.

DriverPass requires several components to fulfill its functionality. These include accessibility and mobility, appointment scheduling system, reporting and activity tracking, cloud-based infrastructure and to develop a user-friendly, visually appealing interface that aligns with the client's requirements.

### 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 for DriverPass is completed, it should be able to perform a range of functions and meet specific objectives. These objectives and measurable tasks are:

Appointment Scheduling, create a user-friendly interface for customers to book appointments.

Reporting and Activity Tracking, develop a logging and auditing system to record user activities within the system. Create a reporting feature that generates reports for tracking user progress and system usage.

User Interface, design a user interface that meets client-specified design preferences. Create dashboards that display a user's progress, including tests taken, scores, and driving lesson information. Develop design data entry forms for user registration and appointment scheduling.

Accessibility and Data Mobility, enable online and offline access to data, with offline access limited to viewing and downloading reports.

## 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]