# 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?*

* Liam is the client and he wants his system to be able to allow people to take online classes and tests and to schedule and receive on-the-road training

### 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 the users to make, cancel, and modify the information for their driver appointments

### 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?*

* Once this system is completed it should be able to allow the administrator, Liam, to have full access over the system. The IT officer should also be able to maintain and modify the system. While the secretary and the users can make, cancel, and modify appointments. There will also be several other pages with valuable information, like test scores, photos of both the driver and the student, the user’s information and drivers notes.

## 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?*

The only environment that this system needs to run on is an application, and the system should be updated every time information is added or changed in the system.

#### 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?*

The platforms that this needs to run on is Windows, Android, and iOS, I guess you can also put it on a Linux based system as well. This also would require a database for the backend to store and use the information.

#### 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?*

Users will be distinguished based on the students first name, last name, and phone number. The system will inform the admin of a problem as soon as it occurs so that the issue can get fixed as soon as possible.

#### 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?*

If you want to make changes to the user all you need to do is allow users and members of the admin team to modify the information that’s present. The IT admin needs the ability to change and modify users’ information in the system.

#### 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?*

The user will need a username and a password for them to log in to the system. If you want to secure the connection between the client and the server, you can make sure that the information is only updated while the user is online. If a user tries to login too many times (4 or more) then the account will be locked until the user checks their email or calls in to change the password. If the user forgets their password, they can send in a password change.

### 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.”*

The system shall allow users to schedule appointments for driving tests

The system shall allow users to take tests and classes online

The system shall allow the users to see an image of their driving instructor

### 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.)?*

The interface needs to allow users to modify and change their data, they also need to see the information about their schedule drive and test results. The users for this interface are just the students.

### 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?*

* I’m assuming that this system will either be on a computer or a mobile device because Liam never explicitly said what devices he wanted it to be on.

### 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?*

The limits for this system would be the budget and time. We don’t have unlimited time to create the project and our budget can’t be an absurd amount as we need to pay for engineers and still get the project up and running.

### 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.*

Chart

Description automatically generated