# 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?*

* This project is for our client DriverPass. They wish to create an application that will assist people with studying for their driving test. This is to be able to be accessed from any computer or mobile device.

### 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 would like the system to asks for a system that will allow users to access online classes and make reservations
* The owner would like full access while giving limited access to his employees
* The system will need customer and employee tracking
* The system needs to be cloud based

### 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 should be able to allow users to register, reset password, make reservations, and take online classes.
* Tasks needed:
  + Case and activity diagrams
  + Interface research
  + Class diagrams
  + Business logic

## 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 system will need to run on multiple platforms including web and mobile devices. The system should also be cloud based.

#### 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 system will run on Windows, Linux, Android, and Mac platforms. The backend will require a database.

#### 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?*

* The system will use case sensitive aspects to determine each user. Users will also be place under customer or admin categories. The admin will be notified right away of any problems.

#### 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?*

* The IT admin will have full access to the system. They will be able to modify a user’s status. Users will be able to modify their own information.

#### 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 must use a username and password. If the account gets hacked, the password will need to be reset. The administrators will have the ability to reset a password.

### 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 have a secure network for a cloud based system
* The system shall limit access to its users
* The system shall deny access after several wrong password entries

### 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 will need to be accessible for users of all ages. The users will be the customers and the IT administration. The customers will be able to create an account, change their account information, schedule and reschedule classes, and take tests. The admin will be able to make changes to schedules and reset passwords.

### 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?*

* The assumption is that the users have up to date technology. Some users may be using an older phone or computer system that may not be supported with this system.

### 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?*

* One limitation is that third-party technology will be needed. Another is that the time of the project is fast moving and leaves no time for any issues that may arise.

### 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.*

Timeline

Description automatically generated