# 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?*

* To make a company to provide better driving training.
* To reduce failures at DMVs.
* Provide Online classes.
* Provides on-the-road-training.
* Client ‘s name is Liam.
* He needs a system that can handle the above.

### 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?*

* Help access data from anywhere online.
* This will require a cloud setup.
* We will need a server.

### 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?*

* Make online reservations for driving lessons.
* We will need the times the lessons are available.
* We will need to measure the time of each lesson.
* We will need to track what day of the week, month, day and year currently is and the reservations closed and open.
* Track the driver.
* We will need an employee number identification.
* We will need information relevant to be hired at a job such as first and last name.
* Track these drivers’ schedules.
* Keep compliance up-to-date.

## 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?*

* Web-based
* Offline as well
* Access to the cloud

#### 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?*

* Mobile devices
* Excel
* All platforms

#### 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?*

* User id
* Password
* Case-sensitive
* The admin will be informed if the user selects forgot password
* The admin will be informed if the user makes any changes to a reservation

#### 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?*

* Yes only the admin can make changes to the user and only with the users permission or in the case of a hack attempt
* The system will automatically update with every loading of the site
* IT admin needs complete access of the users id and password

#### 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?*

* User id and password is required
* Cannot be identical ids
* Need a uppercase in the password
* Need a special character in the password
* The account will be locked and an email sent to the email on file of the account
* User selects forgot password and a link to change the password is sent to the email on file for that account

### 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 be able to be accessed online and offline
* The system shall be to update only when online to prevent duplicates
* The system shall validate user credentials when logging in
* The system shall provide online classes
* The system shall provide practice tests
* The system shall be able to schedule on-the-road tests
* The system shall be able to download the reports and some info to work on at home
* The system shall require case sensitive user id and password to login
* The system shall have a forgot password link

### 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 system will need to let the users create appointments
* The users are Liam, the boss, Ian, secretary
* These users will need to be able to create appointments, cancel and modify
* The user will need to be able to access these from all avenues

### 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?*

* Users will have up-to-date web platforms

### 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?*

* Very little limitations all these requirements are incredibly basic

### 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.*

