# 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?*

* The Client is DriverPass they want their system to be able to improve driver 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?*

* -Liam the owner wants this system to take advantage of a void in the market when it comes to training students for the driving test at their local 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?*

* -Provide better driving training for the customer.
* -provide online practice tests and take online classes.
* -set up on the road training.

## 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?*

* This system needs to be running web based. It should update as often as the DMV updates its requirements.

#### 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 all platforms as it is going to be web-based. A cloud based server will be required to accomplish this application.

#### 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 distinguish users based on a few things that were specified. The parameters will be name, and pickup location. The system will inform the admin of any duplicates.

#### 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 permission to modify and maintain the system. Plus receives updates whenever the DMV has an update.
* You can make changes without changing code. This involves making your code reusable. The way we can accomplish this is by using the object-oriented programing principles.

#### 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 security portion of this will be handled by a cloud-based server. Leaving Drive Pass more time to run a business. The requirements for login will be a username and password. If a brute force hacking attempt is made the account should be locked until the user has reset password. If the user forgets their password there will be a reset password option.

### 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.”*

*For system:*

* -run off the web
* -utilize cloud for data and security
* for customer:
* -Must be able to make reservations for driving lessons online using their account
* -take online classes and practice test
* - ability to reset passwords.
* for IT Officer:
* - the ability to modify, and maintain system
* -receives update whenever the DMV has an update
* for Secretary:
* -Schedule appointments
* -The ability to see which driver is scheduled for which customer, what time and
* which car.
* - register customers based on personal information

for dev:

* -add, remove, and disable packages.

### 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.)?*

* interface that shows the customers test taken, what classes are in progress or completed
* -Displays test customer has taken showing the name, time taken, score, and status. Status
* should say not taken, InProgress, failed, or passed
* -Interface should display driver notes where student can see comments left by driver
* -Interface should have a driver photo and student photo'
* -Interface should have user personal information like name, address, city, state.

### 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 am assuming that the user will have access to the internet. Since we are going to be web-based if they do not have access then our product will not be of use.

### 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?*

* I see budget being a limiting factor in this since we are paying for a web-based server and cloud.

### 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.*

