# 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 name of the project is the Driver Pass Project. The client’s name is Liam. Client wants to make a better driving training program. It will provide training for its customers. Online class and Practice Test and 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?*

* Make reservations for driving. Making driving Appointments, if a customer forgets password, then they will be able to change it. Needs to be able to run on web and have 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?*

Customers can see their progress on Tests. It will show ones that are completed. Will be able to see comments from tests, and times for lessons, a place to have a way to contact the students.

Every week we should be checking up on tests and updates.

## 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 should be always checking for any bugs, and any vulnerabilities to be fixed. The system needs to always update to the latest version of the DMV guidelines. The system needs to be able to run in the fastest speed. The server needs to handle many requests at once.

#### 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 need to be able to run on many browsers. (Chrome, Firefox, Safari, Edge, etc.) When running on a mobile device, the website needs to be able to fit the screen accordingly. The back end needs a database to store user 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?*

* The system needs to be able to log in users based on the username/email and password. This must be case sensitive, and password needs to be exact. The admin should be alerted when there are too many attempts to log in.

#### 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 system should be allowed to add/remove/modify users without changing the code. The system adapts to the platform updates from the programmers. The IT admin needs access to everything in the system. They need to be able to fix any problem and remove users.

#### 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?*

* All users need to log in with their credentials to use the website. The website needs to have HTTP to let users know the place is secure. If there is a “brute force” hacking, it should immediately send the notification to all the Admins and Its/ If the user forgets their username or password, they can reset any of them using their email or phone number. We can also implement a 2-step verification factor to restore accounts safety and easier.

### 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 confirm the type of package of their choice.
* The system shall confirm all the customers’ info.
* The system shall only be online.
* The system shall confirm if the user is a student or an administrator.
* The system shall display the 3 packages we are offering.
* The system shall be able to reset the password if needed.
* The system shall exam progress and scores for the students
* The system shall confirm the log in of the user so they can access their information.
* The system shall update to the current DMV changes.

### 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.)?*

* Homepage, all exams, access to grades, user information, Register if a new user, status of exams, notes left by instructors, and contact information.

### 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 system be 100% working 24/7

* All the users will be DMV students.
* The system will always be up to date with the DMV guidelines.
* It will work great on all browsers, and mobile devices.
* There would be an app version of the Driver App

### 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 system will only run with an internet connection. When there is no internet, nothing can be updated. To schedule the driving test needs to be updated to the maximum amount per day.

### 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.*

