# CS 255 Business Requirements Document Template

Merlin martinez

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 and they want their system to be able to provide students with access to online practice exams and on-the-road training to better prepare them for driving tests.

### 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?*

* They want their system to be able to provide students with access to online practice exams and on-the-road training to better prepare them for driving tests. They need different components like for example they need to make sure users can sign in online, schedule, cancel appointments, submit their picture so the instructor knows who’s the student as well make payments online, create an account and be able to manage their account. They want the system to be available online and offline as well they want to make sure any changes is made is well saved, as well that think that the system should use the cloud for the interface.

### 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?*

* When is completed users should be able to create an account, make payments, modify reservations like reschedule appointments, modify cancel or make a new appointment, as well they should be able take practice exams at last, they need to be able to track like who made the last modification on any appointment as well at what time any road training started and ended. There should be a lot of tasks that need to be included like, the system should be able to be accessed offline, the system will allow the customers to choose packages. Depending on which package is picked the client wants the ability to disable those packages once they are booked.

## 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 updated pretty frequently to make sure there are no bugs, security issues or any DMV guidelines that need to be updated. The DMV guidelines need to be followed well and need to be really strict. The system will be run on a web base. The system must be at a fast speed to run because it has requests that will go back and forth between servers. There will be multiple students online at once taking exams and the speed should be quick to keep those moving.

#### 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?*

* I think it’s a must to be cross platform so it can attract a lot of users’ people that users’ androids, iOS, and any other platform should be able to access the system. The system should run on a browser such as Microsoft Edge, Chrome, or Explorer. If the website were to be accessed on a mobile device, it should be able to fit the screen and resize itself to the screen being used. The back end would need a database to store all the important and needed 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?*

* Every user must have their own and different username. It is very necessary for the input to be case sensitive because this will help to ensure security. once a user exceeds that number of times admin should be notified.

#### 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, you should be able to make changes without changing the code. Within the code you need to write in the code, POST requests. The system will adapt to platform updates by taking requests from admin(programmers). The IT admin will need to access everything from user accounts to removing employees that are no longer with the company. As well to make updates, remove bugs and etc.

#### 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 is required to use their email as the username and their password. Using HTTP would be the way to secure the connection or the date exchange between the client and the server. If there were to be a brute force hacking attempt the administrator would be notified after several attempts. If the user forgets their passwords, or username they can choose to reset their password or username. The system will send password or username information to their email address. From there the user can reset their password or their username.

### 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 make changes according to DMV updates or changes.

### The system shall confirm login information from the user.

### The system shall confirm customer selection between the 3 packages the clients want the customers to see. (they can modify it later)

### The system shall confirm customer details like the customer Address, Customers First and Last Name, Customers Credit Card Information and the customer Phone Number

### The system shall show every exam progress and exam scores for students.

### The system shall confirm the type of user, such as an admin or a user.

### The system shall be available online. some materials will be able to be offline like study materials.

### The system shall allow the client to disable packages at any time.

### 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 needs of the interface are like computers, mobile device, iPad, tablets etc. Every user of this interface are the Admins and Devs of DriverPass. They all must be able to update the system as need and/or make changes. Users, using the interface, will need to be able to book driving appointment packages, take online lessons and tests.

### 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 will personally say everything was discussed, what the product needs to do the design as well and the schedule, however, will say that the budget was not discussed. Maybe they have discussed that before. I think they have everything they said that they have an IT team already.

### 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 think we have all the resources, however, will say that there is a little bit of limitation when it comes to the budget, we don’t really know what’s the budget. As well I will say that another limitation would be DMV guidelines changing can be a limitation if the system isn’t updated properly, we must have proper knowledge.

### 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.*

A screenshot of a computer

Description automatically generated