# 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 driver pass
* They want to be able to maintain a sever and modify data offline
* They need to connect to a database of the DMV
* Needs to be cloud based
* Needs to be able to collect users information
* Access 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?*

* Wants to help people study for driving test
* Fix the problem of people failing driving test
* They need a cloud based sever
* Connections to the dmv database
* Database to store user information
* Api that wors for mobile and computer

### 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?*

* System allows users to pick from different packages
* Complies with DMV regulations
* Allow users to access from mobile and desktop
* Drivers should be able to leave comments
* Information of the users should be displayed
* Should be able to add information both offline and online

## 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 program should be application based on it needing to be available off line
* The system should be very responsive
* It should be updated when ever a new feature is needed

#### 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?*

* It should run on both windows and mac,
* Unix would be nice but not necessary
* The backend requires a database to run

#### 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?*

* Users will be assigned a unique user ID
* Input will not be case sensitive
* The system should inform the admin of only serious 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?*

* You can make change to users by updating the data base
* The system will be temporarily down when updating the platform
* An IT admin would need access to all aspects of the site from users to site layout

#### 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?*

* Users will require a password and two factor authentication to log in
* You can encrypt the data between the client and sever
* If there is a hacking attempt the user should be notified and the account should be locked down
* The user should be able to reset their password if forgotten

### 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 allow user to make accounts
* The system shall differentiate between teachers and students
* The system shall be compliant with the DMV standards
* The system shall allow users to schedule driving times
* The system shall encrypt user data
* The system shall allow notes to be made

### 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 needs to allow users to schedule driving times , make notes on sessions , and check their accounts
* The users are drivers , instructors and admins
* Drives need to be able make appointments and check their account information
* Instructors need to see appointment times and leave notes
* Admins need access to users profiles
* On mobile the interface shall be touchscreen buttons while on computers it shall be navigated with the mouse.

### 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?*

* We assume that the users have access to the internet
* We assume that the users are familiar with other apps and websites and are such able to navigate
* We assume that the users have the information to make an account
* We assume that the users are using a modern device and operating 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?*

* We are working with a small dev team
* We are limited to modern technology
* We don’t have an Unlimited budget and things like the data base cost money
* System requires stable internet connection

### 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.*

