# 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, DriverPass, needs assistance in creating a system to help drivers pass their driving exam. The online system will allow customers to sign up for a driving package of their choosing, schedule their appointments, and keep track of their progress.

### 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?*

* The problem DriverPass is looking to fix is too many people failing their driving exam. The solution they have come up with is a system to help customers study, practice, and pass the driving exam.

### 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 should allow customers to:

* Schedule appointments
* Change or create new password if they forget theirs
* Monitor their progress

System should allow client to:

* Monitor who makes changes to appointments
* Deactivate packages no longer available with future intent to create new packages and modify existing ones.
* Connect to DMV to stay up to date on rules, policies, and sample questions with notifications for any changes to those
* Assist customer in making or changing appointments
* Assist customer when password is forgotten

## 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?*

* Fast response times for interactions from users, no noticeable performance differences when handling many users at once, quick response time for report generation.

#### 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?*

* System should be compatible with and accessible from all of the most popular operating systems. This includes mobile and pc, both app and web based.

#### 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?*

* All user data should be kept accurately. Including but not limited to reservations, test results, and progress through course.
* There should also be consistency in the math used to calculate scores for grading of tests

#### 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 needs to allow for changes made to the policies and rules that the DMV operates on, changes to sample questions as needed, and allow the company to add and remove lesson packages without great technical know-how.

#### 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?*

* Storage and transmission of any data provided by the user should be secure. Access to user information should be limited to only those who need it, and users with access should only have access to the specific information they need to use in their role within the company.

### 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.”*

### 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.)?*

* User-friendly interface with ease of navigation
* Display user progress in chronological order with details including test scores etc
* Allow user to modify their own schedule and information
* Allow user to contact DriverPass and receive timely response from them

### 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 have Internet access and basic computer skills
* Users give accurate information upon registration
* System built using cloud technology for data backup, reliability, and scalability

### 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?*

* No modules allowing non-developers to add and remove functions
* Future additions not included in initial design

### 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 graph showing a diagram

Description automatically generated with medium confidence*