# 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?*

* Liam, the owner, wants to create DriverPass to fill the need and help more kids pass their drivers test the first time. The system needs to be able provide and resource to educate in driver training with the most up to date materials form the DMV.

### 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 system needs to be an interface that has the ability to show the user test progress, driver notes, user information, special needs, driver and student photo, and contact us page.
* There needs to be various packages available to users to choose from with the ability to turn a package off once sold out.
* Have user profiles for owner, IT officer, secretary, and students with various rights.
* System should be web based and on the cloud.
* Able to access anywhere with downloadable reports.

### 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 needs to be able to handle appointments being made, canceled and modified.
* Allow students to take test and learn from online database.
* Able to match and keep track of what students are with what driver/car.

## 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 is to be a web-based system that runs on the cloud and has the ability to be run on mobile devices. The system should run fast and be updated when changes are made.

#### 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 needs to have the ability to run on any computer or mobile device. This means windows, MacOS, iOS and Android at the minimum. There will need to be some kind of database to hold user information and pull reports from.

#### 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?*

* There will be different account types. An admin account for the boss, IT account for the IT officer and user accounts for the customers. Each user will have a username and password to login to their specific account that is case-sensitive. The admin should be alerted when there is a login issue.

#### 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 admin should have the ability to reset a user’s password. Also, have the ability to modify the packages shown on the site. The IT admin should be able to maintain and modify the system.

#### 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?*

* Each user will have a username and password unique to them. Admin has ability to block access if needed. Also, to change password. The system will have the ability to track the changes each user makes. They stated that they do not want to deal with security or backup so security will be limited to users and the responsibilities they have.

### 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.”*

* [Insert text]

### 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 system will need to be able to allow customers to register their account with name, address, phone, email, and other information needed.
* The system will need to allow customers to view test progress.
* The system will need to allow customers to be paired and view their driving instructors.
* The system will need to allow for there to be driver notes.
* The system should allow for customers and secretary to schedule reservations. Along with canceling and modifying them.
* The system should allow the admin to modify and disable packages on the web site.
* The system should allow communication between customers and company.

### 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 are assuming customers have internet.
* We are assuming customers are of driving age and have their learner’s permit.
* We are assuming we will have instructors and cars.
* We are assuming we can adapt this system to every platform.

### 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?*

* A limitation is the requirement of internet to use system.
* A limitation is the requirement of power to use the system.
* A limitation is the system being on the cloud prevents you from having a backup.

### Gantt Chart

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