# 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?*

* DriverPass needs more tools to help drivers pass the test
* Need to create a system to provide users with practice exams and scheduling appointments for 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?*

* Fix the problem of people failing driving tests - practice exams, classes, scheduling
* Proper security for separate access for different users
* Access data online and offline
* Tracking appointments, if someone cancels, changes
* The three packages to choose from for road training

### 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?*

* Functional website to change, schedule, or cancel an appointment for training on the road
* Allow users to practice tests and take classes
* system admin access depending on who it is (ex. Supervisor, customer, Owner)

## 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?*

* Web-based over the cloud
* Very fast for all users (customer/employee)
* Updated based on company preference to add additional content

#### 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 Windows for the platform, as most of the things we need are already on it and pre-programmed
* We’d just need a database on the cloud for the backend

#### 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?*

* Each user has their own account - case sensitive
* Accounts have user name, password, private info, etc
* any problems happening with users should have a notification sent to admin immediately

#### 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?*

* System allows to change users info/account and/or remove them, no code changing needed
* Platform updates are based on company’s choices, which will add features the company wants
* IT admin needs full system access - easy to adjust employee’s info and customer’s info

#### 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?*

* Username + password to log in
* Data exchange between client and server
* Brute force hacking will result in a locked account after 3 attempts
* Option to reset password, sent to email on file

### 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 validate user credentials when logging in
* The system shall schedule appointments made by users
* The system shall provide practice tests and classes
* The system shall show the driver and user pairs
* The system shall offer 3 driving packages
* The system shall run fast and efficient
* The system shall custom access based on user privilege
* The system shall show tests and progress made by the user

### 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.)?*

* Options for scheduling, packages, tests, and classes
* The company need to be able to make changes and update the system
* Users are able to access it from any electronical device with internet access

### 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?*

* No budget - Assuming everything in the system is in budget
* Access to all technology

### 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?*

* 5 month build with no budget given
* limited people
* unsure what technology is currently accessible

### 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.*

