# 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 is designed to help with the number of options that can help drivers pass their driving test.
* DriverPass aims to assist in creating a website that can provide drivers with tests and practices, and an option to setup an appointment for driving 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?*

* DriverPass aims to help drivers succeed in passing their driving test.
* Online test and practices are designed to help with the hands on driving course and setting up appointments.
* The system will have unique profiles to each driver in a secure website
* Three options of packages are available to choose from with an ability to book or cancel appointments online.

### 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?*

* The completed website will allow people to reserve, modify, or cancel road training.
* The website will allow people to take practice tests and online courses.
* Employees working for the company will have access to drivers information and website as a whole to allow them to make changes as needed.
* Our company will choose the type of platform and coding language used to create the site.

## 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 site will run on a cloud-based server
* Allows users to access their profiles without issue
* The website updates with each new addition of features

#### 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?*

* Most platforms including Windows, Linux, Mac and mobile

#### 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?*

* User profile logins and cookies should be able to differentiate users
* Case sensitive passwords
* Daily news updates on bug fixes and crash reports

#### 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?*

* Website will be constantly updated
* Users can make changes as needed for their profile and uses for the site
* IT will have access to the server and database

#### 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?*

* Password protected login for each time accessing the site
* Two-way factor authentication via email or text message
* Too many failed login attempts prompts profile to be locked out

### 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 users
* The system shall send test message codes and verification to the user’s saved phone
* The system shall track, schedule, and notify about appointments
* The system shall lock user out after too many failed login attempts

### 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 is web based
* The interface can be accessed on desktop and mobile
* User’s will have access to purchases
* Administration will have access to all user information and be able to setup appointments as need be

### 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?*

* Most users have access to the system and can operate it using email

### 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?*

* Unable to anticipate all modifications and changes that can take time to complete
* Must be compatible to all web browsers

### 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.*

