# 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 purpose of this project is to create tools to help first time drivers pass the driving test, as there are not many tools to help with this. They are looking to have a website to help students who sign up for the class to take practice exams and book training for real life experience.

### 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 wants their website be able to help people not fail the driving test. They will solve this with the tests, online learning, and real life experience behind the wheel. They want to be able to access the information anywhere with internet, and have security for the proper protection of their system and students who take the class. This will also be able to track all information related to live training, such as : cancelations, rescheduling, and reservations made.

### 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?*

* It will allow users to use a full website that can allow them to make, change and cancel on the road experience. Will allow users to take tests and classes. We will include process models and UML diagrams to help visualize the project.

## 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?*

* Thie should be web bases, in a cloud of some sort. It doesn’t need to be too fast, fast enough for users to use the website with no issues occurring. Should be updateable for future changes to road tests.

#### 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?*

* I believe it should run on windows, this will allow for easy user experience as windows has many tools for cloud based services.

#### 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?*

* We will distinguish between different users by usernames, and it will be case sensitive. The admin should be aware when any problem is brought up, it will help streamline user experience.

#### 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?*

* We should be able to add, remove, and modify all users without code change, as users may want information changed and we can allow a service for this. It will adapt as we can preform regular maintenance when needed. The IT admin will need full access to make any changes necessary.

#### 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?*

* User will need a username and password, or email and password, we will rely on the cloud for data exchange between the client and the server. If an account is affected by brute force, we should email the user, or send a text to the users phone to ask if it is them, through the use of 2 step verification, we will also enforce 2 step verification for this, as well as temporarily disable the users account. We will have a button to send an email to reset their password if the user forgets.

### 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.”*

* This system shall validate user credentials when logging in
* This system shall allow users to make appoints for live training
* This system shall allow users to take classes online
* This system shall allow users to take tests
* This system shall allow the user to see the driver they are paired with
* This system shall provide access based on the user
* This system shall show all work that needs to be done by the user
* This system shall run well to provide good experience
* This system shall train students in how to drive

### 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 must let the user log in or sign up to look at information. The different users will be IT admin, normal users, and employees. It admin will gave all access, normal users are there for normal use of the classes/website. And employees will have more user end access for helping users.

### 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 were not told of a price, so we have a reasonable amount of room to look at with windows. We are assuming we have access to all this tech. we are also not sure how big of a team we are working with, which could effect how many features employees will get access to.

### 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 have 5 months to build, and are not told of price for this. We may no have the man power needed to complete this project in the time needed. I see us working in a fast paced team.

### 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.*

[Insert chart]

