# 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 of this project is DriverPass. They want to build a system in which people can take online classes and practice the driving test online. They also want to expand their system by adding on the road driving. They are willing to provide cars and drivers for training. Their target audience are high school students and young people.

### 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 to modify the system in terms of access. Security and tracking. They want to match the driver for scheduling like the driver wants. They want to have less technical issues. Plus, as there are many people who failed in driving test, DriverPass wants to help them through online preparation of written test and then providing 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?*

* The systems would have the log in credentials as well as the complete profile of student/user. Along with that it will have the picture of user and the driver whose going to train the user. To achieve this, there are many tasks that needed to be complete, collecting user requirements, creating case diagram and building the activity for it, researching case interference diagram, getting approved from client, building interference and linking it to databases, testing the created project and finally presenting/delivering it to client.

## 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?*

* I believe the system should run in both web base and application. The system should be able to run properly as user might want to take online practice test with duration. The system needs to be updated or check for updates every 60 days.

#### 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?*

* There is no specific platforms for the system. But it should be able to run on any type of device. Yes the backend should have online database or cloud to save all the information of the user.

#### 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?*

* The user also required to input all the personal information and a profile photo. Yes it is case sensitive as the user is trusting the system and providing all the information. The system should inform the admin in critical situations like if the info is leaked, any other person is trying to get access of a user, the account password is tried many times etc.

#### 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?*

* I believe yes I can but the company needs system analyst for it to add, change or modify the things. The systems should be updated within every 60 days. The IT admin should have the access of all the accounts so they can either add/remove or block the access of user.

#### 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?*

* The user needs to provide first & last name, email, phone number, credit card, profile photo etc. The data must be kept secured between the client and the server. The account should be able to freeze if there is hacking attempt. The It admin should be able to provide the user the temporary password so he can send the actual password.

### 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 be able to save the user credentials.
* The system shall be able to give access the user about the package user selected.
* The system shall be able to check the updates.
* The system shall be able to save log in or check in info of driver and 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.)?*

* The interface should be able to share the information between user, driver and directly towards the admin. Each user have to get them approved or verified in order to access the system. The user should be able to interact such as mobile and browser both.

### 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?*

* The updates is not addressed properly. How the system will be updated. Plus, there are several reasons to fail the test, or the license could be suspended what will DriverPass do n this scenario. The client did not mention the limit of users.

### 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?*

* The limits would be budget and technology. The client did not provide info about budget.

### 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]*Chart, waterfall chart

Description automatically generated*