# 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 to create web-based online class and practice test for new driving students based on client’s wants so it helps to improve the students to score more and pass the test. The client is Liam who has the company called DriverPass and they need the system to be able to access through online, reserve new students, and perform online class and practice test.

### 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 DriverPass want to improve problem of students failing the driving test and want to provide online class and test. In the system the reservation can be made for the class by students themselves or by their secretary. Components would be reservation, cancellation, modification, package descriptions, payments.

### 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 system should be able to do a fully function using internet and can download information that can work in Excel, reset password, provide access of system for employees, able to modification some feature in future, track the location to pick up and drop up.

## 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 DriverPass project should run on web-based environment, use cloud system. And the system should run fast and should be updated.

#### 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 DriverPass software mostly should run Windows, Mac, and Unix. And the cloud system takes care of the back-end tools and database.

#### 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?*

* Based on username, address, zip code, and phone number should be different for different users. Username and password should be different for each of the users. For password, there should be input case sensitive. There should be notification to the admin related to the possible problems.

#### 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?*

* Yes, the system can make changes of the user information and modification without code. When DriverPass needs to update the features, IT admin needs full access of 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?*

* The required for the user is to create the username and password. Cloud system provide the client and server system. If there are brute force attacks, then the account should be disable and send to the text message to the user to verify the account. If user forgets their password the reset option should be provided.

### 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 store user’s name, address, phone number, zip code etc.
* The system shall provide online class and practice test.
* The system shall provide different driving package.
* The system shall provide reservation, cancel, and modification the class schedule.
* The system shall provide reset password.
* The system shall track pick up and drop off location.

### 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.)?*

* Interface needs different field of the user needs such as online test progress, user information, driver notes, photos etc. Through this interface, user need to be able to enter the information, create user id, and schedule class. User mobile, browsers, laptops and computers, user can interact with this interface with the access of internet.

### 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?*

* In above design we were not specifically addressed the whole cost of the project and the assumptions would be easy access.

### 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?*

* It has the limitation of resources and time

### 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.*

*Timeline

Description automatically generated*