# 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

* The purpose of this project is to create a software application for DriverPass. The client is requiring for it to be mobile and computer friendly so it can be accessible from anywhere.
* The different users for the system will be Liam (the client) and the user of the application. Liam specified he wants to be able to access all the users and employee’s information. He must be able to reach into their accounts.

### System Background

* DriverPass would like for the system to schedule, buy packages, be able for the users to take notes, and download any information from the application.
* A problem DriverPass would like to fix would be making the application run with minimal technical problems. This means short and clean code.
* Some different components needed for this system are security which can be integrated by verifying the user in addition to a log in, and a schedule system. When the users book their reservations for their online drivers’ course, it should show up on an overall calendar.

### Objectives and Goals

* When the application is completed, the program should be able to buy packages, schedule bookings, be accessible from anywhere online either by mobile phone or computer, download any wanted information by the user, and take the drivers notes and store it in their account file.

## Requirements

### Nonfunctional Requirements

#### Performance Requirements

* This system will be designed to run in a web-based environment so it can be accessible by mobile devices and computers from anywhere.
* Our client mentioned he would like the system to run with little to no technical errors which means he would like the software to run very quickly.
* The system should be updated constantly since there will be multiple accounts accessing information. The calendar needs to be updated daily as well.

#### Platform Constraints

* This system should be accessed by any type of platform. However, Windows is the most popular. Making sure it looks good on Windows platforms is essential. The client specifically mentioned as well that he would like the program to run in mobile devices.
* For mobile devices, the back end requires different tools for design to be able to look mobile friendly when it is being accessed.

#### Accuracy and Precision

* We will distinguish between different users based on who is accessing the application with their personal log in information. When a regular user accesses it, the design will be quite different from when an instructor accesses the account.
* The system is case sensitive due to many people accessing it at once to either book a reservation, buy the package, or complete the drivers’ course.
* An admin problem should be reported immediately. This would lower the chances of a potential security attack.

#### Adaptability

* The only person who would be able to have this access would be Liam. By making a separate code cheat just for him, we would not have to change the code every time he would like to add, remove, or modify an account.
* The system will adapt to platform updates based on what platform it is being accessed from. Mobile platforms have different requirements than the computer platforms.
* IT would need access to all the accounts including Liam’s account. In case something goes wrong with the account, the IT technician will be able to assist in the situation.

#### Security

* For the user log in a username and password is required.
* Security can be added to the client and server by accessing the internet through a privite trusted Wi-Fi. Avoid public Wi-Fi.
* If there is a brute force hacking attempt, the account should be frozen until a IT professional makes it secure. No information will be lost.
* If the user forgets their password, we will add a verification method by asking the user personal questions to update their new password.

### Functional Requirements

* The system shall have transaction corrections, adjustments, and cancellations.
* The system shallhave administrative functions for the special requirements to alter accounts.
* The system shallhave validation for user credentials.
* The system shallhave certification requirements for legal purposes.
* The system shall have reporting requirements in case something goes wrong, such as a hacking attempt.
* The system shallhistorical data for future information.

### User Interface

* The user interface should be simple and have all the necessary accessible information for the user.
* The different users for this application will be the regular user, the account manager, the employees, and the IT technician.
* All the users will have different purposes. The regular customer must be able to book, buy, and take courses online. The employee should be able to schedule their classes and give them. Finally, the account manager should have access to the employees account to keep record and delete account if they are a former employee.
* The user will be able to access the program from anywhere online.

### Assumptions

* One thing that was not specifically addressed in my design above is how the instructor will teach the courses with the user.
* The users will have to have a modern smart phone to access the program through a mobile device.

### Limitations

* Some limitations I see in the design is not being able to communicate with the client/server unless there is internet connection. The instructions will be able to be downloaded, but the user will not be able to communicate throughout the application without good internet connection.
* Everything else is on time and Liam will be providing us the budget to complete this software.

### Gantt Chart

I had trouble creating the chart with Lucid Chart. I created another Gantt chart with a template. I hope you like it! Thank you.

Chart

Description automatically generated