# CS 255 Business Requirements Document Template

Scott Dixon

12/28/2022

CS-255-T3291

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 the project is to design a cloud-based web application that with all the company, DriverPass to schedule students for three different possible driver learning experiences. The client is the owner of the company, Liam. Liam would like the application to assist in scheduling the students, offer practice testing to the students, track the vehicles, and log the instructors’ comments. This would allow for a software system that would give greater control over the numerous tasks that the company will deal with in normal business operation.

### 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 would like the application to be able to offer practice exam questions and on-the-road training materials. The system should also be able to accept user registration and login system.

It will be necessary to have a robust user interface for students to view and interact with the web application or mobile app. The application will need to provide a way for students to track their progress and receive feedback on their performance, such as through a progress tracker or personal dashboard.

The developers will also need to add a payment processing system, certainly if DriverPass plans to charge a fee for access to the application.

A way for students to track their progress and receive feedback on their performance, such as through a progress tracker or personal dashboard

### 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 application should allow students to register for an account and log in to the system. It should also allow students with access to a database of practice exam questions and driving manuals. The application should allow the processing of payments from the user and track the students’ progress. The system will need to supply reports of progress made by the students.

## 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?

#### 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?

* [Insert text]

#### 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?

* [Insert text]

#### 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?

* [Insert text]

#### 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?

* [Insert text]

### 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.”

* [Insert text]

### 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.)?

* [Insert text]

### 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?

* [Insert text]

### 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?

* [Insert text]

### Gantt Chart

Graphical user interface, application, table, Excel

Description automatically generated