# Dylan Dunagan

11 May 2025  
CS-255 System Analysis and Design

# 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 is DriverPass. They want to create new software that helps their clients learn about driving and aids them in passing their driving tests. They claim that many people fail their driving tests at the DMV, and this new software will give their clients ample training and education before they physically arrive at the DMV. (DriverPass Interview Transcript, 2025)

### 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?*

* First, on their customer level, DriverPass wants the system to allow their customers to make reservations for driving lessons by utilizing three different packages that range in the amount of time spent driving and the amount of education given. They also want the system to allow customers to take practice tests and take online driving courses. (DriverPass Interview Transcript, 2025) On the company’s level, they want to have access to the necessary information to give their customers what they need. They must be able to see which drivers and cars are paired up with which clients, what packages are being chosen, and which tests or courses have been started, passed, or failed. They also want to be able to enable and disable packages as they see fit, as well as know the pickup and drop-off locations that their customers provided. (DriverPass Interview Transcript, 2025) The problem this fixes is that it gives their customers the training and education they need to successfully pass their driving tests as well as giving DriverPass the necessary information to successfully prepare their customers. The first component of the system will be the interface. This interface is what is going to show the company and customers the online test progress, notes from the customer’s driving instructors, photos of both the students and drivers, the customer’s personal information and any special needs that need to be considered. (DriverPass Interview Transcript, 2025) The next component will be the package selection system, allowing the customer to choose which package level they would like. The next component is the reservation system, where the customer can choose a time, date, driver, and pickup and drop-off locations. Lastly, there needs to be the online course component where the students can actively learn more about driving rules and laws and take practice tests on what they’ve learned. DriverPass specifically said that they do not want to have to worry about the security of the system themselves. They want that handled for them so that they can purely focus on the quality of the service that they are providing. (DriverPass Interview Transcript, 2025)

### 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?*

* Once completed, the system must be able to make reservations for driving practice as well as in person lessons on DMV rules. The system must also be able to allow the students to choose their desired package, take online courses, and take practice tests. The system also must be able to allow the driving instructors to write notes on their students allowing the students to see where they are doing well and what areas need improvement. (DriverPass Interview Transcript, 2025) The measurable task that needs to be included in the system is the students’ online test progress. The section of the system must be able to show if a test has started, in progress, passed, or failed. (DriverPass Interview Transcript, 2025) Although not specifically stated, since each driving lesson is two hours long, and each package provides six or more hours of driving, there must be a way to track how many hours of driving has been used so that DriverPass can keep track of driving time and when packages are finishing out.

## 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?*

* [Insert text]

#### 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

*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]

Work Cited

DriverPass Interview Transcript.  Retrieved May 9, 2025 from

[*https://learn.snhu.edu/d2l/le/content/1918252/viewContent/40447936/View*](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Flearn.snhu.edu%2Fd2l%2Fle%2Fcontent%2F1918252%2FviewContent%2F40447936%2FView&data=05%7C02%7Cdylan.dunagan%40snhu.edu%7Cfe534ee1f177428d0abc08dd95c5cb54%7C2baef15bb8de423f9d8a46f3686d8848%7C0%7C0%7C638831398936024070%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=kdUkNvsPd2F0WVQ0Y6Rwnyujgyffq4Cbla88eJ48LDU%3D&reserved=0)