# 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, DriverPass, and owner, Liam, would like to help increase peoples’ chances of passing their drivers test, and capitalize on the void in the market. They have plans on creating a system that will provide drivers with online practice tests and driving classes. Liam also wants the ability to provide on-the-road training. He needs the ability to access data from any location via computer or mobile device. He also needs the ability to download reports via excel. It is important that the system has different rights and roles as well as tracking abilities to see who makes what changes in the system. Liam wants the system’s interface to show customers their past, current, and future tests/class scores. He also wants photos of the driver and student as well and driver notes from on the road training. There also needs to be form that a new user can use to register an account with all personal and payment fields. This can be done by the user online on their own, or by the secretary when someone calls in or visits in person.

### 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 feels as though the practice people receive for driving is not sufficient. They plan to bring to market a new all-in-one driving training aid for people to train for driving tests. DriverPass needs the ability to schedule customers online through reservation or call ins for on-road training. A customer needs to be able to create an account and sign in to track and edit reservations. A driver then needs to be paired and tracked alongside the customer as they will be one the ones training the customer. There are different packages that need to be incorporated into the booking. Each training session is 2 hours long so if someone purchases 6 hours, it needs to be spread across 3 days. There needs to be the ability to disable a package that DriverPass no longer wants to offer. The application needs to connect and pull from the DMV website to make sure that DriverPass’s tests and classes are up to date. Liam wants there to be a notification to IT when the DMV makes changes to their rules and policies. The entire system needs to be web run and hosted on the cloud. Client wants no responsibility for backups and or security.

### 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?*

* When completed, DriverPass’s application should be able to register a user, have then book an appointment, and pay either from a phone call, an in person visit, or an online registration. A user who forgets a password should be able to automatically reset it on their own. A user should be able to view past performances, and upcoming events related to their training. They should also be able to see their driver’s information and the driver’s feedback they have received throughout the training. Having each one of these items on a function UI will be measurable as successful. To start, the team will work on the requirements collection, case and activity diagrams, UI designs, and class diagrams. After this is completed, the current progress will be reported back to the client and any altercations can be made. Then, the interface and database will be created, followed by business logic and finally, testing and delivery of the completed system to DriverPass.

## 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]