# DriverPass Business Requirements Document

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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, and their purpose is to improve driver training so that more people pass their driving tests at the DMV.

### 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 wants to implement a system to helps users pass their driving test at their local DMV.
* The system will give users access to online lessons and practice tests, as well as scheduling of in person driving lessons.
* The system will consist of a cloud enabled website connected to a database.

### 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?*

## Requirements

* The system will provide the user with the following functions:
  + Schedule driving lesson
  + Access online class
  + Take online test
  + View online test progress
  + View driver notes
  + View customer information

### 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 system should be web and cloud based
* The system should be accessible from any computer or mobile device
* The application should be fairly responsive to any user inputs, returning requested info quickly

#### 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 system should be platform independent and run on the cloud, being usable by any computer or mobile device
* A database will be connected to the application

#### 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?*

* The system should distinguish between students, admins, and the secretary. The secretary will have the ability to schedule, modify, or cancel customer appointments. Admins will also have the ability to provide customer support and block account access, as well as disable lesson packages
* The system will track who makes, modifies, or cancels appointments and create an activity report for admins to view

#### 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?*

* Admins will be able to change user passwords, modify appointments, and block user access.
* Admins will be able to disable lesson packages.
* The system will be updated with changes to DMV rules, policies, or sample questions

#### 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?*

* Users should require a valid password to log in
* Different user types should have different roles/access
* A secure connection should be verified between the client and server
* User accounts should be able to be blocked by admins in case of terminated employment
* User passwords should be able to be reset by admins

### 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 allow users to create, modify, or cancel appointments.
* The system shall allow users to choose from three different lesson packages
* The system shall allow students to take online practice tests
* The system shall allow students to take online classes
* The system shall display to the student online test progress and driver notes

### 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.)?*

* The user interface should scale based on the platform being used to access the application, ie computer or mobile device
* The main interface should show the company logo on top, online test progress and driver notes on the left side, and customer info, special needs, and driver and student photos on the right side.
* Driver notes should consist of a table listing lesson time, start hour, end hour, and driver comments
* Interface should include an input form where the customer/secretary fills in student info
* Interface should include a page with contact info for the company and the student.

### 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?*

* The user has an active internet connection
* The user’s device has a web browser
* The application has an active connection to the server/database

### 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?*

* The project must be completed by May 10

### 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.*

*A graph with pink lines

AI-generated content may be incorrect.*