# 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 client, Driver Pass, wants to bridge the gap between preparing to get a license and dealing with the DMV.
* They’re offering opportunities to pursue online training for the written assessment on the rules of the road, practice tests for the previously mentioned assessment at the DMV, and schedule on-road training with Driver Pass drivers.
* Driver Pass wants everything up to date as often as possible, any rules/law changes, any DMV policy changes, and any user updates (tests, appointments, phone numbers, etc.) to keep everyone accountable.
* Users purchase a training package (on road training always included) and track the progress of that package

### System Background

* System needs to operate on computers as well as mobile devices
* Connect to the DMV for constant updates to policy or rules changes, maybe subscribe to a newsletter and output dmv updates to the front page or post links to that information on the front page.
* Information needs to be tracked and matched to users; passwords, two factor authentication, and Driver Pass Security Codes should be able to work in tandem if any issues are experienced and should work to keep information easily accessible to users on either end of the product.
  + If users lose access or forget passwords, office staff should have access to the profile or contact information
* Customer data should be easily transferred to excel, think python keys to keep information correctly parsed. Leaves some room to introduce new information if scope changes in the future.
* Any Driver Pass personnel need to have at least some access to user information
  + Drivers need to leave notes and contact users
  + Secretary needs to make appointments
  + IT needs access to fix any issues experienced on front or back end
  + Sam needs to disable packages and block users
* Cloud based system, saves money and time for client to access and build on, since there is no upkeep or heavy initial investment.

### Objectives and Goals

* Register users to the system: keep users distinct (check email, security code, phone numbers) and save user information.
  + Make sample customers with similar info, register and update their information
  + Make sure there are no repeated emails/codes/key info in use without administrative permission, special cases allowed
  + Show purchased package, generate code
* Purchase training packages and tracking
  + Show purchased package on home page and in user information with package code like in zybooks
  + Show progress on practice tests on front page
  + Show progress on training modules on front page
  + Show progress of on road training on front page
* On road training
  + Access driver notes (driver and user)
  + Schedule appointment
  + Appointment drivers, cars, dates and times need to be distinct to prohibit double bookings
* DMV connection, either information posts on the front page or working embedded links
* Disable function for the packages in case drivers are unavailable to commit to workload.
* Front page needs: Logo, progress window, user info, driver notes, special needs, photos of drivers and users.

## 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]