# 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?*

* Take advantage of a void market
* Train people on how to drive
* Safer roads
* Updated trainings and policies

### 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?*

* On the road tests
* Online reservations and accurate open and close times
* Online tests

### 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?*

* Wants offline downloadable use
* Flexibility
* Updateable reservations and cancelations
* Test progress
* Cloud based

## 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?*

* Android/ios
* Web
* Should be retroactive loading for clients to see information as soon as its updated
* Security updates, crashes, client improvements.

#### 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?*

* Andoird/IOS
* Web browsers
* DB will be needed to store all information, as well as update when online.

#### 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?*

* Username and password will be needed
* Information will be case sensitive
* After 3rd failed attempt to login

#### 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?*

* No, code will have to change to modify user
* Updates would be rolled out via android/ios
* Timed maintenance for website
* Access to backend, and code base

#### 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?*

* username/password
* certificates/warn user
* notify user and admin if an account is being broken into. Send password reset in case of forgetful password

### 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.”*

* validate user credentials
* update all documents
* password resets
* hours logged in and progress
* display user information

### 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.)?*

* Different users include mobile, and web-based users.
* Mobile will want to be more condensed and a side panel for ease of access
* Online can display more graphics, while still having ease of access.

### 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?*

* How to download the application
* How to access the internet
* How to navigate the applications or browser

### 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?*

* Resources could be a limit, the amount of people assigned
* Budget can always be an issue, as a project could be presented but the client may decide he wants a bit more
* The second point can lead into time as well, more time will be needed

### 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.*

*Table, timeline

Description automatically generated*