# 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?*

* DriverPass aims to provide an innovative driving test preparation system that helps students succeed in their DMV exams. The system will offer online practice exams, on-the-road training and appointment scheduling to improve students’ readiness for their driving tests.

### 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 identified a gap in driver training tools, with over 65% of all students failing their driving test due to ineffective preparation. The company wants to address this by offering flexible driving lesson packages, online study resources and real-world training.

### 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?*

* Provide online training resources including practice tests.
* Allow students to schedule driving lessons online or by phone.
* Ensure secure access and tracking of user activity.
* Enable DriverPass administrators to manage users and appointments.
* Provide real-time DMV updates to maintain compliance.

## 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?*

* The system should allow multiple concurrent users to access training materials and schedule appointments without delays.

#### 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?*

* Cloud-based system accessible by desktop and mobile devices.

#### 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?*

* Ensures correct tracking of reservations, payments and progress reports.

#### 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?*

* Allows administrators to disable specific training packages.

#### 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?*

* Role-based access control for different users (IT admin, secretary, customers).

### 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.”*

* **User Accounts:** Customers create accounts, reset passwords and schedule lessons online.
* **Scheduling System:** Allows students to book driving lessions with a driver and vehicle.
* **Training Packages:**
  + Package One: 6 hours of driving lessions.
  + Package Two: 8 hours + DMV Policy training.
  + Package Three: 12 hours + DMV Training + online classes.
* **Tracking:** System records modifications to reservations and appointments.
* **DMV Updates:** Automated notifications for policy changes.
* **Interface Design:** Visually intuitive dashboard displaying lesson progress, test results 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.)?*

* **Admin Users:** Manage accounts, reset passwords, approve reservations.
* **Secretaries:** Schedule appointments by phone or office.
* **Customers:** Register accounts, book/cancel appointments and access training materials.
* **Drivers:** View appointment schedules and update session notes.

### 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?*

* Customers will have internet access to book appointments online.
* Lessons will be scheduled in two hours increments.
* Future expansion may introduce customizable training modules.

### 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?*

* Users cannot modify their personal data offline.
* Training package customization requires developer intervention.

### 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 diagram of a project

AI-generated content may be incorrect.

* **Blue** → System Design (Use Cases, Class Diagrams, Requirements Collection)
* **Green** → UI Development (Interface Design)
* **Orange** → Database & Backend (Linking DB, Business Logic)
* **Purple** → Testing & Finalization (Approval, Testing, Delivery)