# 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?*

* Laim is the owner of driver pass.
* They want to fill an area in the market with the training needed to pass the dmv test.

### 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?*

* Needs to have online and off line access.
* Want it to be cloud hosted.
* Needs to be secure.
* They will also need user groups.

### 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?*

* Needs to have packages the customers can choose from.
* When the test is finished it needs to save that data with the name, how long it took, and if it was passed.
* Need to know what car and driver get paired with what student.

## 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?*

* Need to be updated frequently to fix any bug and security issues that come up.
* Needs to pull updates from the dmv to make sure DriverPass has the up-to-date regulations.
* Has to run through the web.
* Needs to run quickly and should be lag free.

#### 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?*

* Needs to be accessible form any web browser.
* When accessed trough a phone it needs resizable to fit any screen size.
* Needs a data base to save all this data.

#### 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?*

* Case sensitive passwords for security.
* Need unique usernames.
* Needs to alert the admin after a set number of failed attempts.

#### 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?*

* I.T will need access to everything in case problems happen.
* The system will be scheduled for updates to limit down time.
* System will be able to add, delete, or change any user with out changing the code.

#### 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?*

* We will use a https as its more secure the http and an industry standard.
* A username and password will be required to log in.
* If the password is forgotten the user should be able to use a link to rest the password.
* When a brute force attack happens it should alert I.T after 4 failed attempts then it should send an email to the user saying the account is locked please call for help.

### 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 be updated when the dmv changes things.
* The system shall save and show test grades.
* The system shall make logins secure.
* The system shall be able to reset passwords.
* The system shall have different access levels.
* The system shall should be able accessible online and offline.
* The system shall have different packages available to the customers.

### 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.)?*

* Admins will see if the users change any info and test scores.
* The users will see if they passed their test.
* The users will be able to update their account info.
* The user should see notes from instructors.
* The user should be able register for an account.

### 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?*

* My assumption is that the system will always be up to date.
* My assumption is the system will help people pass the dmv test.
* My assumption is that we will improve this and make an app.

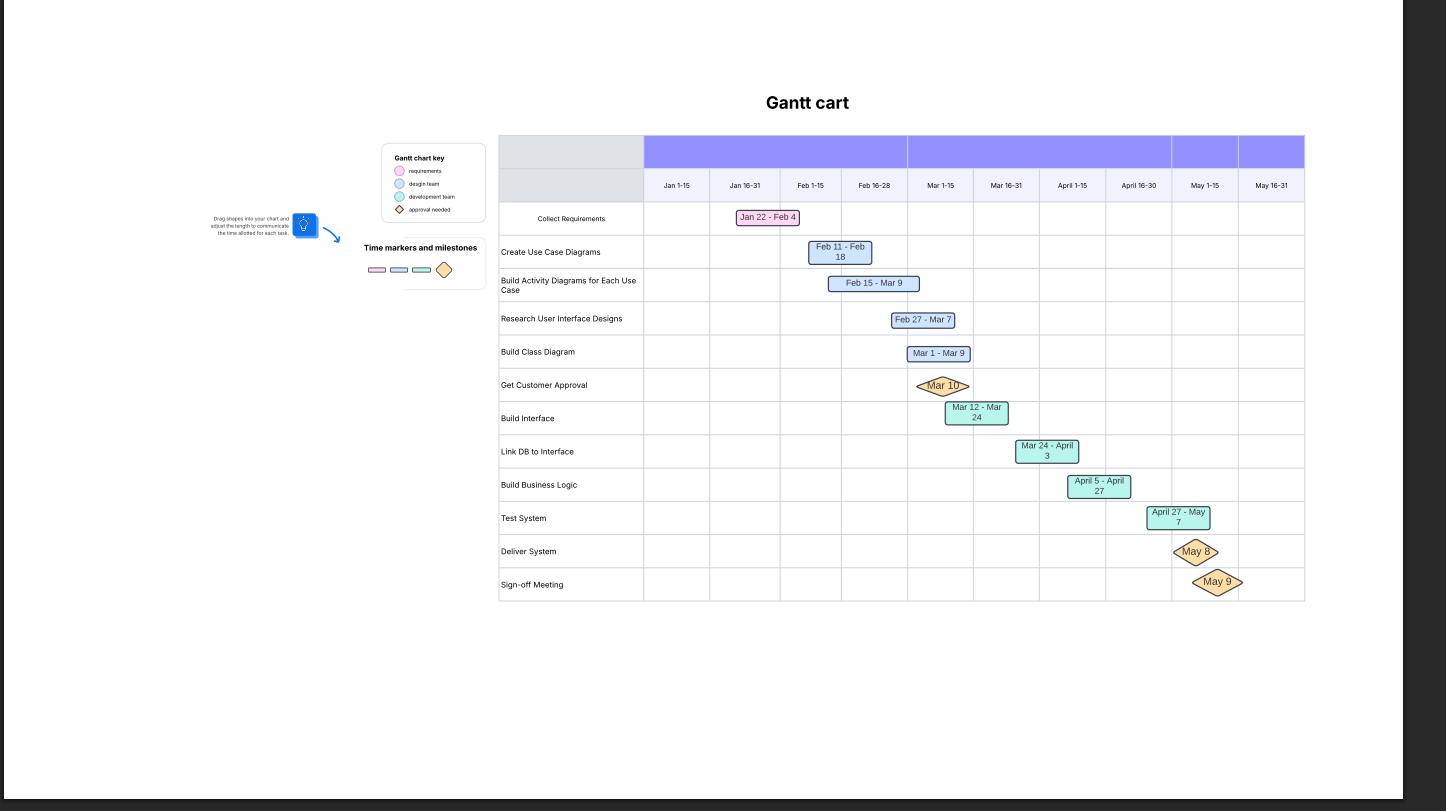
### Limitations

*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 amount of cars and drives limits the amount of customers we can schedule.
* A stable internet connection can limit who can sign up.
* What the client is willing to pay and what time frame they need it in.
* If the dmv changes policy’s so they are the only ones that can test people.

### 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.*

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