# 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?*

* The purpose of this project is to have a system for DriverPass that helps driver train and give DMV test preparation. The client wants the Driverpass to provide online classes, give practice test and give on road training session. The system should let the users aka the customer use this and track there progress.

### 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?*

* The Driverpass wants to address the high failure count and wants them to pass by providing there service to beat the driver test.
* Components would be user account management
* Online class
* Data access
* Tracking and reporting

### 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?*

* The system should be able to create and manage accounts, enroll in classes, track there progress and ensure data is protected
* The measurable task would be classes and test, lessons scheduling within the system, active logging and being integrated with the Dmv

## 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 environment needs to be a web based environment and should be used by mobile or desktop. The system should run around 3 seconds for best performance. The updated should be regularly updated.

#### 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 compatible with windows and unix. The backend will need a backend such as Mysql to support 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 users will be distinguish by there username. The input would be case sensitive to keep data integrity. It will inform the admin after many failed attempts 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?*

* Yes we will add a administrator interface that you can make changes without changing code. The system will use the modular design to adapt. The IT admin will need full access to operate the system.

#### 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?*

* The user will need the username and password to login. All data between the client and server will have a SSL encryption. If there is a brute force hacking the account/user will be temporarily locked. If the user forgot there username or password an email will be sent out with the associated account.

### 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 all user to create and manage there account
* The system shall validate user credentials
* The system shall provide access to online classes and practice test.

### 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 needs for the interface has to be user friendly, and that supports desktop and mobile.
* The users will be Students,Admin, trainers and IT
* Students will access class
* Admin will manager users
* Trainer will track students
* IT will help with anything technically

### 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?*

* We are assuming that the users have basic computer knowledge
* That users have access to the internet

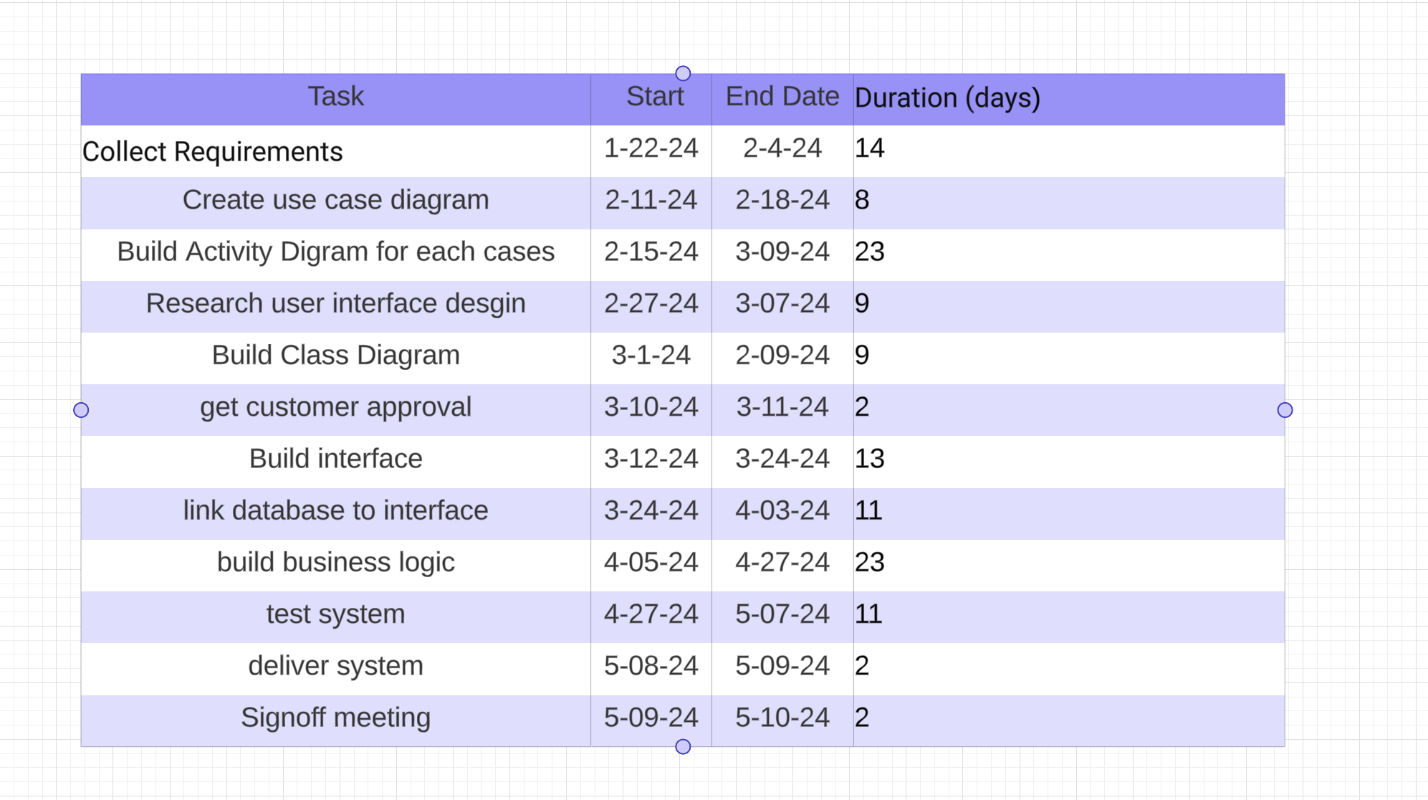
### Limitations

*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?*

* How reliable the internet is
* How fast the users grow
* Budget can limit features

### 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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