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# 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 would like to implement an online system for driving lessons and a way to schedule in person driving lessons.
* This system will be accessed by students and drivers online and offline from any computer or mobile device.
* Students will be able to reserve lesson times, take online classes, and practice tests with the system.
* Drivers will be able to leave notes after lessons.

### 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 wants to take advantage of a need in the driving lessons space.
* They want to provide better lessons so less people fail their driving test at the DMV.
* They want their system to be easy to use and secure.
* They want a system where their students can easily book lessons with their drivers and study online.

### 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?*

* DriverPass would like many features included in their online driving lessons system.
* First, they would like online classes and practice tests available over the web on any device with a downloadable function.
* The system should also be able to show the status of classes and tests.
* They would like their students to be able to pick from 3 different training packages.
* DriverPass would also like to be able to disable any of these packages to stop more people from signing up.
* They would like the students to be able to input their information and book in person driving lessons.
* Once booked they want the system to match them up with a driver and available driving time slot.
* All reservations should be trackable with who booked, modified, or cancelled the reservation.
* Students and Drivers should be able to take notes in the system after in person driving lessons.
* They want the system to be secure and have different security access levels for different people in the company.
* They want the system to notify them when there has been an update from the DMV so all information can stay current.

## 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 must work on a web browser
* Client would like the platform to be cloud based
* Users should be able to access the platform via mobile or wesbite

#### 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 platform should be web based and run on all systems via the internet
* The platform must connect to the DMV website to get automatic policy updates

#### 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?*

* Each user will have their own unique user name and case sensitive password
* Users will be able to sign up for a login after completing the telephone registration
* Users will be able to automatically reset their password if they forget it
* Admin will get a notification when users have been locked out

#### 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?*

* Users can schedule, cancel, and modify their driving lessons on the platform
* If the user schedules a lesson over the phone it will be updated in the platform
* Admin will be notified of any schedule changes
* Admin user can disable driving lesson packages
* Admin can print an activity report of schedule changes

#### 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?*

* Different levels of security for different user roles
* Users should be able to create an account with a secure login
* Admin and IT will be notified of any hacking attempts

### 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 validate user credentials when logging in
* The system will allow users to take practice tests
* The system will allow users to take online classes
* Users can sign up for driving lessons
* Users can see their online test progress
* The system will send a notification of DMV updates
* The user can download documents to be viewed offline

### 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 user can view and input their information on the platform
* The user can view the driver notes from their driving lessons
* The user can view their online test progress
* The user can view their driver’s photo and their photo
* The user can view and input and special needs that they have
* The user can contact the admin or IT

### 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?*

* The user can take online practice tests
* The user can take online classes
* Drivers can update the notes for users to view
* The users can view their past test scores

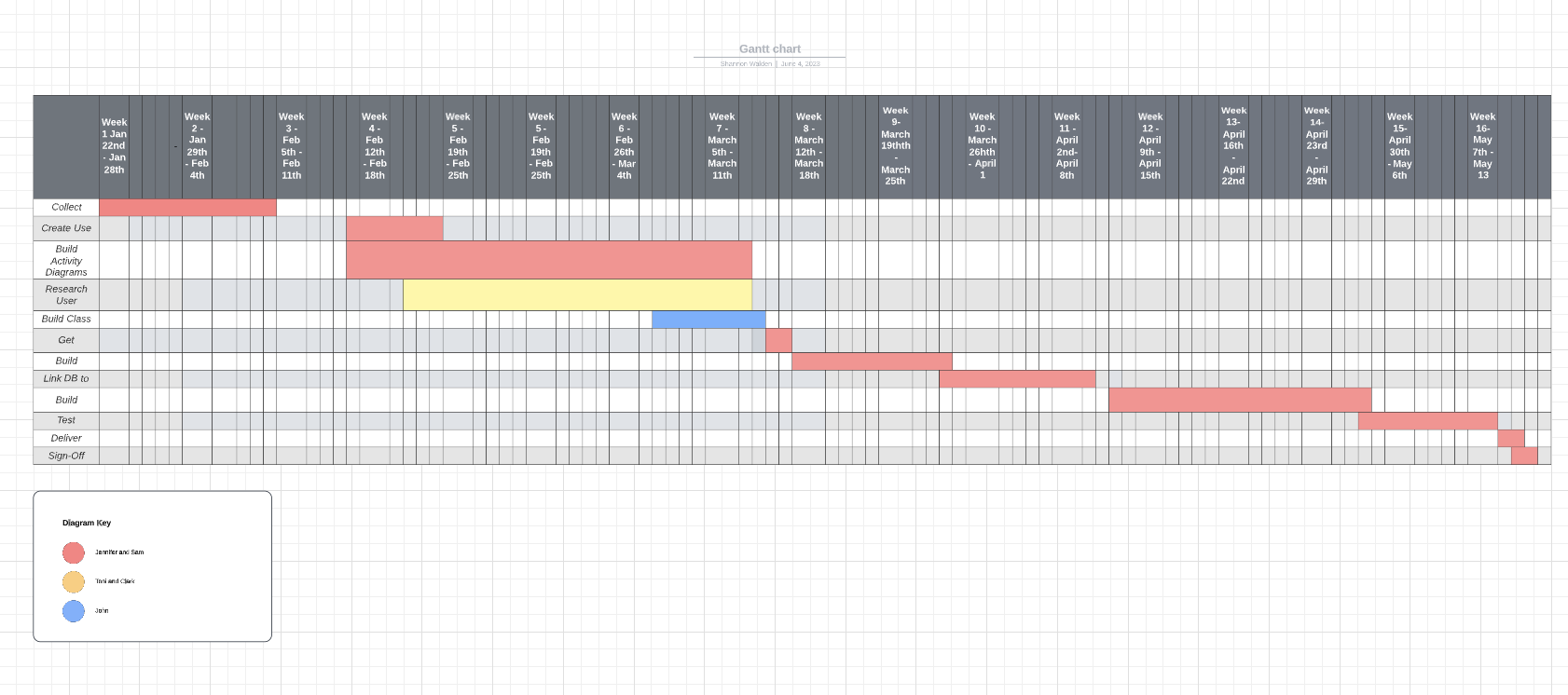
### Limitations

*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?*

* Adding or removing modules after inputting the three that are requested would have to be done at a different time
* Data can only be updated or modified while the user is online

### 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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