# CS 255 Business Requirements Document

## 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 client is a company named DriverPass who wants a system to allow customers to sign up for their classes and driving practices.

### 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?*

* They want a system they can access both online and offline while also seeing what customers accessed the cite and if they made any bookings. Show the available plans and allow customers to choose from them also allow for customer scheduling.

### 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 do everything as previously mentioned, for measurable tasks we will have the scheduling and available plans that we will be able see and will verify if the goals are being accomplished.

## 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?*

* Should be able to handle multiple users on the website at once with a respectable response time.
* System should update as needed.

#### 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?*

* Want the platform to be cloud based and able for owner to access online and offline.
* Users should be able to access the website from Windows, Mac, Lennox, and Mobile.

#### 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 should have their own data associated to their account to ensure accuracy of scores and scheduled events.
* Admin should receive an alert if an issue occurs so that the IT team can handle it.

#### 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?*

* Should be alerted of DMV updates that allow for the IT team to keep the data they are teaching on the website up to date and relevant for the user.
* Packages provided should be able to be added and removed by the owner or at least be able to be muted so the owner can stop one type of package from being purchased.
* The IT team needs to. Be able to make changes to the user’s info if needed such as passwords, or the users name and address. As well as the drivers info.

#### 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?*

* Password reset if needed or if the user forgets their password.
* Authenticate user sign in, two factor authentication is another very popular method used today.
* Appropriate access among the user, owner, and admit team.

### 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 the users credentials upon sign in and have their login in connected to their specific account with their data.
* Display to user access to classes and online course material if applicable to their account and package chosen.
* Display scheduling for events as well as driver and student 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.)?*

* Interface needs to be displayed as requested by the owner and based off their provided drawing.
* Interface should be accessible on web and mobile devices.

### 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?*

* Timeline not specified but the sooner the better.

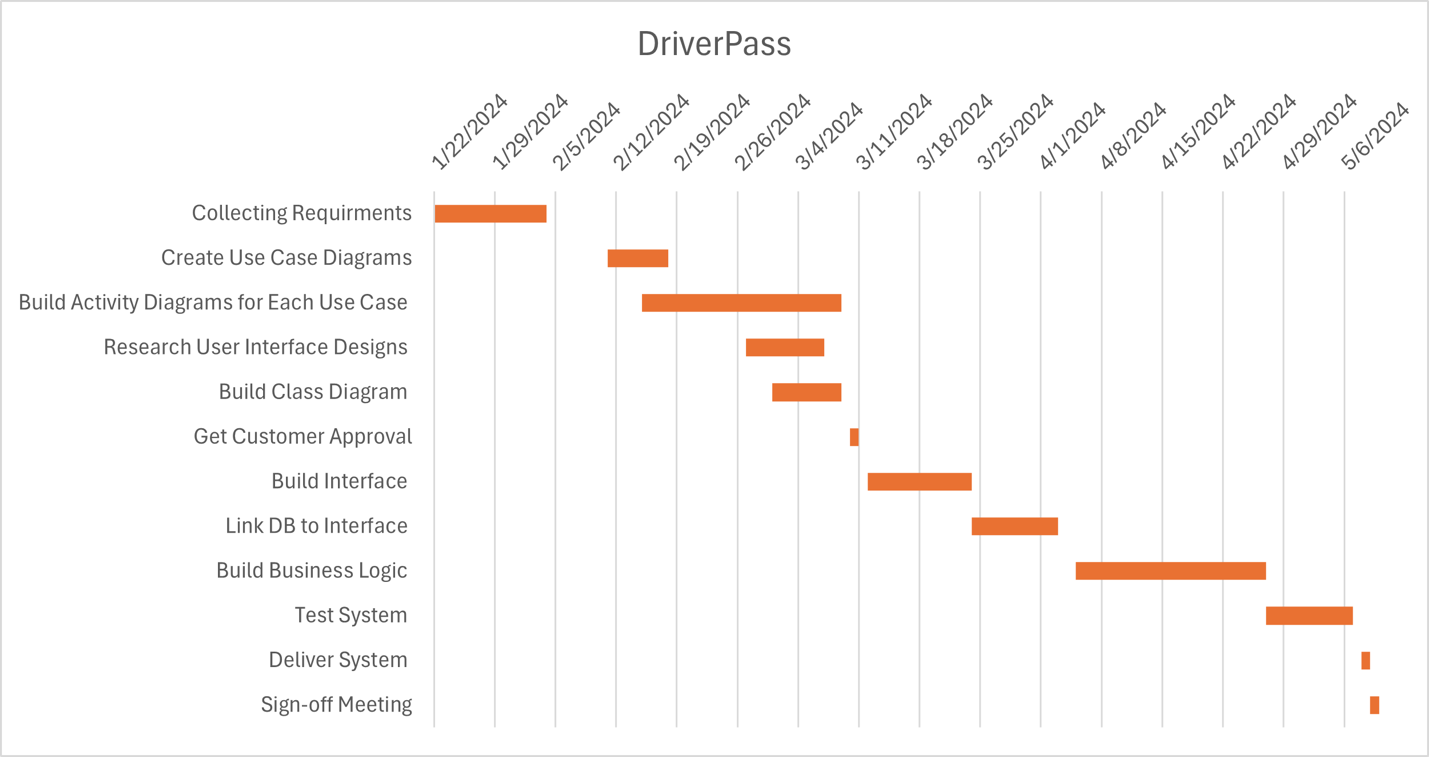
### Limitations

*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?*

* No budget is specified however no company has unlimited money therefore the more cost efficient we can make the process and its maintenance affordable.

### 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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