# CS 255 Business Requirements Document Template

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## System Components and Design

### Purpose

* This project is for DriverPass. The goal of this initiative is to fill a gap in the market for driver training by offering consumers online classes, practice tests, and on-the-road training. This is likely to help Americans learn how to drive faster and be able to access the information and study material needed for them to pass the test and practice.

### System Background

* To avoid duplication, data can only be modified or updated online.
* The owner wants to be able to access information both online and offline from any location.
* The owner desires computer or mobile device compatibility.
* The owner must have total access over all accounts and be able to download reports in Excel.
* User must be able to plan day and time for lessons using their account
* Owner must get notifications on user reservations, cancellations, and revisions for driving lessons
* User must be able to schedule day and time for lessons using their account
* The user should be able to add their first and last names, address, phone number, state, credit card number, expiration date, and security code when registering; the user should also be able to add pickup and drop-off locations; and the user should be able to reset their password if they forget it.
* The owner wishes to be notified of any changes to the DMV so that they may keep informed
* The project must be run in the cloud, and the owner and users must have access to their online test results, personal information, drivers' notes, student photographs, and special needs information.
* Driver notes should contain lesson time, start hour, and finish hour, as well as driver remarks.
* Input form should include student information and contact information for both the owner and the student

### Objectives and Goals

Through the system's cloud, students should be able to take online practice examinations and arrange driving lessons. The learner should be able to schedule appointments and monitor their progress on the internet. To complete the project, we'll need to figure out how each work will be arranged and assigned. That will be the priority since priority is crucial. We'll need to make a schedule for when each task is due. We need to make sure that each employee has enough time to complete their responsibilities. Each component, as well as the anticipated completion date, must be considered. Every job must have a start and finish date, and we have to keep to it.

## Requirements

### Nonfunctional Requirements

#### Performance Requirements

* It should be fast and without complications.
* It should be able to be updated easily and fast.
* It should be done over a website and on a cloud.

#### Platform Constraints

* Linux is the best for cloud computing. So it will run on that.
* It runs on a cloud so that takes care of database and other constraints.

#### Accuracy and Precision

* Username and password system. This input is case-sensitive. Multiple factor authentication to make breaking in a lot harder than usual.
* Always inform an admin of a problem, be it bug, glitch or a breach.

#### Adaptability

* The system will be updated slowly as it needs more features. Drive pass decides they would like to add more features or make changes they can do it themselves.
* Admins will have full access to make the changes needed.
* System allows admins to make modifications to users and allow them to remove people with ease.

#### Security

* Requires a username/password system with multi factor authentication if one forgets their information.
* The cloud handles data exchange for the server.
* System disables account after three failed attempts, an email is sent to the user's account in case this wasn't them trying to get in.
* A password reset link can be sent to the email if they forget their password.

### Functional Requirements

* The system shall offers three different packages.
* The system shall have different access for different privileges. Admins and Users should stay separated.
* The system should have progress checks that shows how much work is done.
* The system shows the teacher driver that the user is prepared with.
* The system has to run fast and efficient for no complications.
* The systems validate user credential through logging in.
* The system shall book reservations when made by the user.
* The system can provide tests, practice problems.

### User Interface

* The system should allow the customer the option to make reservations for driving appointment packages, take tests and everything else from the mobile or the website.
* Employees should be able to make changes from their account.
* The user should be able to interact with the interface from any piece of technology that has internet. (Phone, Browser.)
* User interface must match the example given to us and display the drivers photo and student photo along with notes.

### Assumptions

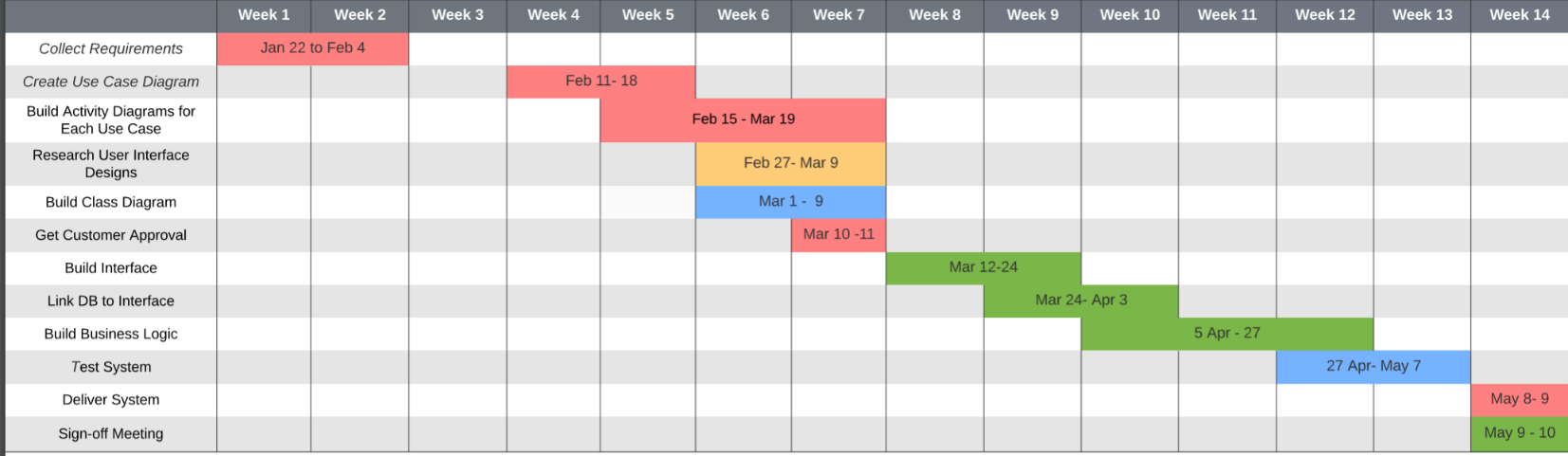
* We assumed that people would have a decent computer with internet access, or even a phone.
* We assumed that all of this is within the budget that was not given.

### Limitations

* Phones aren’t as strong as computers. Will have to account for that.
* Screen sizes should also be accounted for.
* No budget was said but everything should be fine provided a big problem doesn’t occur
* We have roughly five months for this.

### 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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