# CS 255 Business Requirements Document Template

## 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
* They feel there is a need for better driver training.
* Access data anywhere
* Online and offline access
* Employee access and roles
* Track user changes

### 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?*

* Customer can reserve driving lessons (day and time)
* Identify which driver the customer is with
* Package One: Six hours in a car with a trainer
* Package Two: Eight hours in a car with a trainer and an in-person lesson where we explain the DMV rules and policies
* Package Three: Twelve hours in a car with a trainer, an in-person lesson where we explain the DMV rules and policies—plus access to our online class with all the content and material. The online class also includes practice tests.
* Disable packages
* Notify when DMV rules change
* Cloud storage
* Specific design

### 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?*

* Does the software actually work?
* Is the design they wanted there?
* Does the schedule work properly?
* Are the DMV requirements met?

## Requirements

### Nonfunctional Requirements

#### Performance Requirements

Since the system is wanted to be accessed anywhere, it should be both webs based and an application. It should be able to run quickly but not max out a PC, that is because the system is based on scheduling and learning not gaming where high frames and such would be needed. The system should update every time that a schedule changes.

#### Platform Constraints

This should be able to be ran on all computers and on mobile devices. The application will need a server so that there would be storage of the memory, as recommended a cloud storge is recommended which would be able to store everything.

#### Accuracy and Precision

The app will require users to log in, then they will have to verify with the second stage security. The input will be case sensitive because the customers should not be able to see the same thing that the employees can see. They should be able to see only their account. The system will be required to notify the admin of a problem when there is suspicious activity.

#### Adaptability

The IT admin will be able to make changes. As long as the security is the same there should be no need to upgrade or change. The admin will be able to add or take out employees or customers. If there are any other changes to the app that need to change we could be contracted to add some features or change some.

#### Security

The user will have a log in and password then there will be a two-step verification. I recommend that we use an algorithm that could allow the security from brute force attacks. The user would be able to do a forgot password link like we are all used to knowing.

### Functional Requirements

* The system shall allow the customer to reserve driving time or packages.
* The system shall notify when the driving laws change.
* The system shall identify which driver is with which customer.
* The system shall allow admin to take away packages or add
* The system shall use cloud storage.

### User Interface

The users will have different qualifications. The customers can schedule and study for their test, along with the employees can edit times and administrate the reservations with drivers and customers. The IT admin will need to be able to change and take away options and monitor any problems that can occur.

### Assumptions

I am assuming that the customers will be able to see the website anywhere they can log in and the app will be free and able to be accessed on the app and play store. I also assume that the company will pay for their team to be able to use the managing portion of the software with ease.

### Limitations

I feel that if the company does not want to spend the money that will always be the limitation. We have a roadmap on the expected date of the project being finished. The hardware and storage will also be an issue. If the company does not fund the proper storage the data will fill the maximum amount.

### Gantt Chart

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 22 - Jan | 4 - Feb | 11 - Feb | 15 - Feb | 18 - Feb | 27 - Feb | 1 - Mar | 7 - Mar | 9 - Mar | 10 - Mar | 11 - Mar | 12 - Mar | 24 - Mar | 3 - Apr | 5 - Apr | 27 - Apr | 7 - May | 8 - May | 9 - May | 10 - May |
| *Collect Requirements* |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Create Use Case Diagrams* |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Build Activity Diagrams for Each Use Case* |  |  |  |  | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| *Research User Interface Designs* |  |  |  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |
| *Build Class Diagram* |  |  |  |  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |  |
| *Get Customer Approval* |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |
| *Build Interface* |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| *Link DB To Interface* |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |
| *Build Business Logic* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |
| *Test System* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| *Deliver System* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | |  |
| *Sign-off Meeting* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |