# CS 255 Business Requirements Document Template

## System Components and Design

### Purpose

* This is a project for DriverPass. Their purpose for this project is to set up a system to allow customers to have access to better training for their driving tests.

### System Background

* DriverPass wants to help increase the number of students who pass their driving exams by offering “better driver training” to customers who wish to receive extra help.
* They will do this by providing extra resources to their customers:
  + In person lessons
  + On-the-road training
  + Practice exams

### Objectives and Goals

* The system should save customers information including:
  + First and last name
  + Address
  + Phone
  + State
  + Credit card info: number, expiration date, and security code
* Allow customer to purchase from one of three different packages:
  + 1) 3 on-the-road training sessions
  + 2) 4 on-the-road training sessions and in person lesson
  + 3) 6 on-the-road training sessions and in person lesson plus online access to class content, material, and practice tests.
* Allow customer to reserve a time for 2 hour on-the-road training with one of 10 drivers/cars. They should also have a pickup/drop-off location for the lesson.

## Requirements

### Nonfunctional Requirements

#### Performance Requirements

* Web-based program run through internet browser
* Needs to update as soon as student requests information or driving lesson
* Needs to update material when changes are made from the DMV

#### Platform Constraints

* Needs to connect with DMV to update with changes they make
* Should run on Windows, Mac, Android, and iPhone devices

#### Accuracy and Precision

* There are three types of users: Admin, Customer/Student, and Secretary
* Secretary needs access to create and update student information and schedule on-the-road training sessions
* Customer needs access to create and update information and schedule on-the-road training sessions as well as access to course information and practice tests
* Admin needs access to troubleshoot accounts and update information on website

#### Adaptability

* Admin has access to course materials to be able to update them
* User type does not need to be updated in this system

#### Security

* Users must log in with a unique username as well as a chosen password
* Password can be reset through an email providing a temporary password for a one time log in where the password can be changed
* Use a server-client design pattern to have client request information to increase security

### Functional Requirements

* The system should allow customer or secretary to fill out information
* The system should allow customer to make payment for chosen package
* The system should allow students to sign up for an on-the-road training session
* The system should allow for student to cancel on-the-road training session
* The system should allow student to take online practice exam
* The system should allow student to view study material

### User Interface

* Display UI through web browser
* Input form allows customer or secretary to fill out information and make payment
* Contact pages to contact DriverPass or student
* Main page:
  + Display student information and photo
  + Display Driver photo
  + Display Driver notes from previous driving lessons
  + Display online test progress
  + Display special needs or notes regarding the student

### Assumptions

* Customers have access to browser through internet
* Connection can be made to DMV to be notified of changes to rules and course materials

### Limitations

* This project is not limited by time but should be done as fast and efficiently as possible (Below is a Gantt Chart outlining proposed schedule)
* This project is limited by the budget given be DriverPass

### Gantt Chart

Chart, timeline

Description automatically generated