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# CS 255 Business Requirements Document Template

## System Components and Design

### Purpose

* DriverPass, Owner Liam, IT officer Ian.
* Purpose: Driver Test Training System
* Need the system to provide a place where the customers or the secretary can schedule appointments with a trainer.

### System Background

* Help people pass DMV driver tests.
* Provide training to future drivers
* Have packages to adjust how much training is necessary

### 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?*

* Input system to make reservations:
  + Including date, time, car, driver and trainer
* Driving sessions 2 hours
* Different roles for different employees:
  + Admin/owner
  + IT
  + Secretary
  + End user
  + Trainer
* Record keeping for changes (activity report)
* Downloadable documents
* Purchasing a package:
  + 3 different packages
  + Package one:
    - six hours with a trainer and car
  + Package two:
    - eight hours with a trainer and car, in person lesson explaining DMV rules and policies
  + Package three:
    - twelve hours with a trainer and car, in person lesson explaining DMV rules and policies, online class with content and material, online practice tests.
* Ability to disable packages
* Profiles for customers (drivers):
  + First and last name, address, phone number, state
  + Credit card with expiration date and security code
  + Pickup/drop-off locations
  + Driver notes
    - Lesson time
    - Start hour
    - End hour
    - Driver comments
  + Special needs
  + Driver photo
  + Student photo
* Trainer profile:
  + Name
  + Photo
  + Students
  + Lessons
* Connected to DMV for updates to policies, rules, and tests
* Cloud server
* Compare reference picture to the site
* Contact us area
* Notifications/messages to the customer

## Requirements

### Nonfunctional Requirements

#### Performance Requirements

* Since this will be an online site for the DriverPass program, it would need to be updated daily with new applicants, new drivers, and notes from both on the web. It will also need to linked to the DMV to receive regular updates on the tests, laws and

#### Platform Constraints

* This will be web-based and as such will need a database for all trainers, drivers, and admins.

#### Accuracy and Precision

* There would need to be a driver user, a trainer user, an admin user, an IT user, and a owner. The system should alert to an issue when there is an error in the drivers application. The admin should also be aware of when there is issues pertaining to packages purchased, if there is a problem with payment or they are sold out of a selected packaged that is attempting to be purchased.

#### Adaptability

* We should make it so the owner has complete control to modify users, as well as an admin they select. There may also be a need to have the IT person have the same level of controls if there is an issue with an applicant. This website will be linked to the DMV for updates, and well since it is web-based, they will be able to update once online with any new information.

#### Security

* The users would each need a username and a password. As well the owner would need full access to each account so they can lock accounts or reset passwords if need be.

### Functional Requirements

* The system shall allow user to purchase packages.
* The system shall allow users to leave notes for the trainer or drivers.
* The system shall allow drivers to make appoints and/or modify them.
* The system shall validate all users with their access and roles.
* The system shall have a place to record all drives and tests taken.

### User Interface

* There is a design reference provided by the client which states they want the profile information available on the first page. AS well there should be a trainer photo and a driver photo for references. There also needs to be an area for the trainer or driver to leave notes. Lastly there also needs to be a test progress section detailing how the students learning is going.

### Assumptions

* Trainers all have a license to drive a vehicle.
* Students/drivers are interested in getting a license.
* Both students and trainers have access to the web.

### Limitations

* Having it only be web based and maintaining the link to the dmv.
* There are some time constraints to ensure the project is handled quickly and efficiently.
* There are only so many packages available so code would need to be modified to add additional packages.

### Gantt Chart

A screenshot of a project

Description automatically generated