**CS 255 Business Requirements Document Template**

**System Components and Design**

**Purpose**

* The project is for one of our clients, DriverPass. The purpose is to create a system that will provide its users with proper training to help better prepare them for their driving tests.

**System Background**

* The system will provide its users with the ability to take online classes, take practice tests, and can schedule on the road training.
* The system will be an online interface that can be accessed by the users of different levels, admin, staff, and clients.
* The system will be connected to a database to allow staff to access files such as activity reports.

**Objectives and Goals**

* The system will provide the user with the following functions:
* Make, cancel, and modify in-person appointments
* Take online classes and practice tests
* Show user information
* Show online class and practice test progress

**Requirements**

**Nonfunctional Requirements**

* The system will lock out any user who inputs wrong login information after 5 failed attempts.
* The system will work on any browser on any device

**Performance Requirements**

* The time it takes to connect to the webserver, retrieve information, and display information on the browser should not exceed 10 seconds.
* The system should allow updates automatically from the webserver with the presence of a technician for back-up

**Platform Constraints**

* The system will be web-based with a web server connected to a database that holds the information for the system.
* The system can be accessed from anywhere there is an internet connection.

**Accuracy and Precision**

* The system should be able to distinguish the users by their usernames, and the roles and access are granted and removed by the administrator.
* The system should allow activity report to be available for viewing and downloading for the administrator.

**Adaptability**

* The system will have the ability to automatically update the quizzes and tests to be compliant with DMV requirements.
* The system should allow removal a driving package if the administrator chooses to remove it.

**Security**

* Every user of the system will require a username and password, if password forgotten an option to reset it should be available.
* There should be different roles and levels for users, a standard user, an employee user and an administrator.
* There should be tracking on users for reservations made, reservations canceled, and who modified reservations last.

**Functional Requirements**

* The system will determine users’ information by their username and password
* The system allows the following options for their customers:
* Create, cancel and modify reservations
* Sign up for and take quizzes and practice tests
* Create and modify notes
* Display and modify customer information (i.e., name, address, phone, email, etc.)
* The system will allow employee users to make, modify and cancel reservations on customer behalf.
* The system will allow the administrator to modify roles and rights of all users, as well as their login information.
* The system should produce an activity log when the administrator user requests it

**User Interface**

* The system will have a display screen (which can be either a display screen or touch screen).
* The system can take input from a cursor (or touch screen) and keyboard.
* The user interface will display the following:
* Customer information
* Online test progress
* Driver notes
* The system will have three distinct users: an administrator, employee user, and a customer user

**Assumptions**

* The user has internet access to access the system whenever.
* The webserver is connected and running 24/7

**Limitations**

* The system will end once user has no internet access.
* The system will hold as much information as the database allows.

**Gantt Chart**

*Chart, waterfall chart

Description automatically generated*