# CS 255 Business Requirements Document Template

Complete this template by replacing the bracketed text with the relevant information.

This template lays out all the different sections that you need to complete for Project One. Each section has guiding questions to prompt your thinking. These questions are meant to guide your initial responses to each area. You are encouraged to go beyond these questions using what you have learned in your readings. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client’s needs. There is no required length for the final document. Instead, the goal is to complete each section based on your client’s needs.

**Tip:** You should respond in a bulleted list for each section. This will make your thoughts easier to reference when you move into the design phase for Project Two. One starter bullet has been provided for you in each section, but you will need to add more.

## System Components and Design

### Purpose

Client: DriverPass

System will provide online classes and practice tests for users with the opportunity to set up online appointments for on-the-road training or in-person classes.

### System Background

DriverPass wants to take advantage of a current void in the market when it comes to students training for the driver’s test at their local department of motor vehicles (DMV). There are many people who fail their driving tests at the DMV, the company’s goal is to provide additional resources online through courses and practice tests or in-person training if they desire it.

### Objectives and Goals

DriverPass will have the system provide the user with the following functions:

* Register/login to an account.
* Make driving lesson reservations.
* Purchase packages.
* Take online classes.
* Take practice tests.
* Display lesson progress.
* Update general information.

## Requirements

### Nonfunctional Requirements

#### Performance Requirements

* The time it takes to login, access account information, reserve appointments, or purchase packages should take no longer than 5 seconds.
* The system will have regularly scheduled maintenance periods where developers or a client’s authorized employees can make changes and/or additions to the system.

#### Platform Constraints

* The system should be able to run on any device that has access to a web browser with online/offline capabilities.
* Back-end development will require a cloud-based architecture with an already integrated secure database to store data, as well as receive or distribute information to and from a user.

#### Accuracy and Precision

* Distinguishing between users will require unique authentication at the system’s initial login.
* System tracking capabilities should be integrated to notify administrators whenever there are instances of record changes or unknown activity within the system.
* Activity reports should be available to access and monitor the user responsible for any changes.

#### Adaptability

* The system should be able to seamlessly update without any real-time interruptions whenever new system integrations or changes are implemented by the company’s employees or the system’s developers.
* Full access rights will be required to deliver any updates within the system.
* Company employees will have access to adding or removing training packages as desired.

#### Security

* A proper username in the form of an email, phone, or unique name paired with a password requiring special unique characters will be required at login.
* Accounts with repeated attempts to login will be locked, reported, and require a password change before further access into the account.
* Authorized users should be able to access all accounts and their information in case a user forgets their password or an account’s system access needs to be revoked.
* Users should be able to reset their own password as long as they have a verified email registered to the account or a two-step authentication method available to properly identify the user.

### Functional Requirements

* The system shall allow users to make reservations for driving lessons specifying their date and time for the reservation for a 2-hour session.
* The system shall offer 3 packages that will determine how long a customer will have to train with a trainer and have access to other resources on the system.
* The system shall provide online courses and practice tests.
* The system shall produce a security report for whenever a record change occurs specifying the data/time of the activity with the name(s) of the party responsible.

### User Interface

* The user’s interface on the web page should start up with displaying the company’s logo at the very top with a top-to-bottom structure for the rest of the elements which include:
  + Online test progress
    - Test name
    - Time taken
    - Score
    - Status (not taken, in-progress, failed, or passed)
  + Driver notes
    - Driver comments
    - Lesson times
  + User’s Information
    - First/last name
    - Address – city, state, zip code
    - Phone number
    - Email address
  + Special needs
  + Driver and student photo
* A registration form should be included where a student or company secretary fills in a form for the student’s information (name, address, etc.).
* The system should also display a contact page for students to reach out to the company or if the company wants to reach out to their clients through their page information.

### Assumptions

* Internet is available 24/7 for the cloud-based servers to communicate using the web page to the users who access the system.
* Users will have access to the system without any interruptions or downtime because of system updates or modifications.
* All users have valid and fully available authentication methods to access their accounts to avoid losing crucial information.

### Limitations

* The system will stop functioning if there is not a stable or fully functional internet connection.
* The system will stop functioning if there is a security breach within the system as a safeguard method to protect vital information.
* The system does not offer text-to-speech or other accessibility methods for users that have limited capabilities.

### A screenshot of a calendar Description automatically generatedGantt Chart