# CS 255 Business Requirements Document

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

*What is the purpose of this project? Who is the client and what do they want their system to be able to do?*

* train students for driving test
* offer packages
* registration
* offer online classes
* offer practice test
* provide on the road training
* DriverPass
* Allow over the phone registration and online
* Cancel, modify and create appointments
* Notify when DMV gets updates
* Ran over the web

### 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?*

* Void for online driving classes
* Making passing your driving test easier
* Better drivers
* Web program from cloud
* Registration
* Offer packages
* Offer online classes
* Offer over the phone registration
* Multiple web page

### 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?*

## Run on and off the web

## Multiple platforms

## Allow registration

## Remember user data

## Research ui designs

## Class diagrams

## Case diagrams

## Activity diagrams

## Requirements

### Nonfunctional Requirements

*In this section, you will detail the different nonfunctional requirements for the DriverPass system. You will need to think about the different things that the system needs to function properly.*

#### Performance Requirements

*What environments (web-based, application, etc.) does this system need to run in? How fast should the system run? How often should the system be updated?*

* Web-based system
* System updates while online
* Run off the web
* Run over the cloud

#### Platform Constraints

*What platforms (Windows, Unix, etc.) should the system run on? Does the back end require any tools, such as a database, to support this application?*

* Run on all platforms any computer any mobile device
* Ios, windows, unix, linix, etc.
* Database
* Downloading data
* Run off the web
* Run over the cloud

#### Accuracy and Precision

*How will you distinguish between different users?* *Is the input case-sensitive? When should the system inform the admin of a problem?*

* Each user has account with name address, phone number, etc
* Input is case sensitive
* The system should alert IT officer of modifications or updates to system
* Print activity report
* Ability to block access
* Ability to reset users passwords

#### Adaptability

*Can you make changes to the user (add/remove/modify) without changing code? How will the system adapt to platform updates? What type of access does the IT admin need?*

* Will need developer or a system analysts to add or remove modules
* Adding modules are put into system as their built
* IT admin gets full access

#### Security

*What is required for the user to log in? How can you secure the connection or the data exchange between the client and the server? What should happen to the account if there is a “brute force” hacking attempt? What happens if the user forgets their password?*

* For registration the customer needs to give name, address, phone number, state, credit card number, expiration date, and security code
* Phone call or on website
* If password is forgotten it can be automatically reset by user
* System ran over the cloud
* Password can be reset by IT admin
* Gets notifications from dmv on updates to stay up to date

### Functional Requirements

*Using the information from the scenario, think about the different functions the system needs to provide. Each of your bullets should start with “The system shall . . .” For example, one functional requirement might be, “The system shall validate user credentials when logging in.”*

* The system shall allow reservations by phone call
* The system shall allow reservations on line
* The system shall alert admin when reservations are place or canceled
* The system shall allow for dmv notifications
* The system shall take customers registration information to create account
* The system shall allow customer to automatically reset password
* The system shall allow modules to be modified by developer or systems analyst
* The system shall run on all platforms
* The system shall hold a database
* The system shall allow IT officer to reset passwords and block access to customers
* The system shall have security taken care of for it
* The system shall allow for activity report
* The system shall alert when someone modifies
* The system shall offer three packages
* The system shall run off the web
* The system shall run over the cloud

### User Interface

*What are the needs of the interface? Who are the different users for this interface? What will each user need to be able to do through the interface? How will the user interact with the interface (mobile, browser, etc.)?*

* Display test customer took
* Display whats in progress
* Display the test the customer completed
* Show test
* Show name, time take, score and status
* The status can be not take, in progress, failed, or passed
* Show comments in driver notes that the driver wrote as well as the lessons
* Show lesson time, start of hour, end of hour, driver comments
* Input form for students or secretary fills in the student information
* Page for contacting
* Students and secretary and IT admin are users
* Mobile and web based

### Assumptions

*What things were not specifically addressed in your design above? What assumptions are you making in your design about the users or the technology they have?*

* They have mobile device or web application
* Ability to drive
* Phone and email address
* Have internet access
* Common technology knowledge
* Reasonable budget and timeline

### Limitations

*Any system you build will naturally have limitations. What limitations do you see in your system design? What limitations do you have as far as resources, time, budget, or technology?*

* Data redundancy
* Litmied technical infrastructure
* User training
* Security
* Unclear requirements
* Budget
* Resources

### Gantt Chart

*Please include a screenshot of the GANTT chart that you created with Lucidchart. Be sure to check that it meets the plan described by the characters in the interview.*

*A screenshot of a gantt chart

AI-generated content may be incorrect.*