# 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

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

* Provide a service for people learning to drive with online and in person training to train them better and prevent them from failing
* Make the service easy to use and intuitive

### 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?*

* Allow customers to take classes and practice tests
* Access training material and personal data offline
* Allow customers to purchase on-the-road training sessions
* Track and schedule on-the-road sessions with customers and instructors

### 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?*

* Prepare customers to pass their driving test
* Allow customers to purchases on-the-road sessions if wanted
* Facilitate the scheduling of the sessions

## 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

* The system should run on mobile and PC web based applications
* The administrative side will be run from a PC web application

#### Platform Constraints

* The web application should run on window, Mac OS, Unix, IOS and Android for the current and previous 2 iterations
* Server will run on linux in a cloud environment with cloud storage

#### Accuracy and Precision

* Users will have their own case sensitive username and pass-words
* If the users requests help or if the system detects unexpected or irregular impute it will notify a system admin.

#### Adaptability

* The admin will have a set of user tools (add/remove/modify) in a gui so they do not have to modify code.
* The system will be a web based application so operating system updates should have little effect on its performance, look and feel.
* IT admin will need to be able to access the services server, user database, scheduling database, and information database to perform any fixes or changes that cannot be done by the admin.

#### Security

* users will need a personal username and password that will be stored as a hash
* users will only be allowed 5 attempts before their account is locked and they need to talk to an administrator to regain control.

### Functional Requirements

* The system shall provide secure login for users
* The system shall have a bank of driving knowledge accessible by users
* The system shall be able to coordinate on road driving lessons between users and instructors
* The system shall let users test their knowledge with practice tests

### User Interface

* User interface should look clean for desktop and mobile
* Users should be able to access schedules on both mobile and desktop devices
* Users should be able to access reading material on both mobile and desktop devices
* Users should be able to sign up for lessons on both mobile and desktop devices
* Users should be able to take written tests on both mobile and desktop devices

### Assumptions

* We are assuming use has access to a smartphone or desktop and it is relatively modern
* We assume the users has basic understanding of using a web application

### 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?*

* System will not be able to reach or schedule people who do not have access to a smart phone or computer
* System can not go over budget
* System must not got over the timeline so that it does not go over budget

### Gantt Chart

