# 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?*

* Drivverpass wants their system to be able to schedule lessons and pay from the student side, while allowing instructors to set availability and check payment from their side. The overall purpose being to give driving students an easier access to driving lessons.

### 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?*

* Driver Pass wishes to provide students with a better and more convenient means to study for their driver’s exam. They

### 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?*

* Schedule, Remember schedules, Set pick/drop locations, Take payment, keep track of payment, set availability of instructors, provide online study recourses and materials for kids to pass their drivers tests.

## 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?*

* Driverpass should be a web-based system. It could either be client/server based if you the hardware, but for this you would probably base it on cloud. This way a third party stores and maintains the data. Either way, the system would be website.

#### 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?*

* The platform that best suits the scale of Driverpass is Linux. If you have a competent Linux developer, you can save a lot of money compared to windows or apple.

#### 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?*

* Driverpass will have a unique username and password for each profile on the site. The input to these will be case-sensitive. They system will inform the Driverpass admin immediately upon the site experiencing a problem.

#### 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?*

* Driverpass will support modularity to add and modify users on your profile without changing code. The code and graphics of the site will evolve with time and the updating of the platform.

The IT admin of Driverpass will need full access to the system. The IT admin needs to be able to properly manage access to the site, and if needs to be able to get to what needs maintaining or fixing within the system.

#### 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?*

* As stated above, Driverpass would require a username and password per profile started. Almost certainly some form of multi-step authentication. You can secure the data exchange by choosing a cloud service with good encryption and security practices.  
  In the case of brute hacking attempts, you should be able to suspend login attempts to that client for X amount of minutes, etc. If the user forgot their password, you should send an email or text to the username or phone number they have attached to their profile.

### 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 will allow instructors to set and modify their available hours

The system will allow clients to give money to instructors

The system will allow the client to schedule a lesson with an available instructor

The system will offer different packages that unlock different tiers of content.

The system will manage privilege and authentication of profiles.

### 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.)?*

* The user interface needs to be organized, clearly read and visually appealing. The user interface will be used by clients, instructors, IT workers and Admins. The interface will allow clients to easily find their way to available instructors, and it will allow instructors to easily view and maintain their work schedules. It will allow IT workers and Admins complete control, as well as possibly some unique front end displays that operate back end features. The user will interact with this site on mobile devices, laptops and desktops.

### 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?*

* We are assuming Linux is the most cost efficient choice, since we were given no budget or spending limit.

### 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?*

* Time is a limiting factor in any project, about 5 months in this case. Our current man power is also limited.

### 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 picture containing application

Description automatically generated