**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?*

* The purpose of this project is to show how to write up a business requirement document with a customer, understanding the system the client desires.
* The client of the system is Liam and he is the owner of DriverPass.
* Liam wants to create a system where he can teach driving school lessons and practice tests online.
* They will also want to system top provide on the road assistance if the customer wants hands on training as well.

**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?*

* They want the system to provide driving school training, practice tests, and on the road assistance for drivers wanting to take their drivers license tests.
* System to be able top access his data from anywhere, whether is be from online or offline.
* Full access to reset passwords and such, as well as tracking services to know who made reservations for on the road practice.

**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?*

* The system should be able to have to accept reservations for on the road assistance, online test progress, and access to all practice documents that are relative for the user in helping them pass the driver test.
* The measurable tasks should be the design that the customer wants (in the transcript), access to documents for practice, as well as having the testing materials ready for customers. All of these information can be accessed

**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.*

* The system needs the files for practicing the driving material, as well as a schedule for the drivers and employees that will be giving the hands-on practice to the customers that want the service.

**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?*

* The systems need various things to run, as a web-based application that helps to run the system, as well as potential cloud-based services that could hold all the files needed and give accessibility across the platform.
* The system should run fast to enough for seamless interaction for customers to move through practice files and tests easily, as well as tracking their progress.
* A slow system and platform would inhibit customer satisfaction, especially currently.

**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 system should be able to run on all platforms, including but not limited to mobile as well.
* If we limit the number of customers that can use the system, we limit the profitability and effectiveness of the product.
* This should be simple when transitioning through OS platforms, but mobile would need to run on a platform that’s tailored for mobility.

**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?*

* We can distinguish between different users by having them create profiles that’s are tailored to their specific needs, while also creating a security blockage for personal user information.
* Case-sensitive, in terms of password creation, with the system informing the admin of any potential security breaches into the product system.

**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?*

* Yes we can make changes to user information without changing code, as the code will already have functions to change this user information.
* The system will adapt to platforms as they come up, potentially using cloud based services to have customers update across their respective platforms.

**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?*

* A username and password linked to your account would be needed to log in. We can use a reliable cloud based service to secure data exchanges.
* A brute force hacking attempt would immediately notify security personnel that the system runs on.
* The user that needs to reset password will be used by a function that directs the customer how to reset their password.

**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 validtae user crednetials when logging into the userface
* The system shall create a library userface, with downloadable content online classes and course material
* The system shall have a cloud interface to be able to obtain documents from anywhere
* The system shall create a security userface that differentiate between the accounts of regular users and administartors.
* The system shall make resevations for driving lessons and any other functions that the system wants to make.
* The system shall create a user face for drivers notes and progression of various elements of the lessons.
* the system shall create a userface that controls the details or a lesson, such as start or end times with driver comments.
* the system shall create a secretary interface, for someone to take appointments anc call ins, essentially keeping the sysmte up to date.

**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 needs of the userface have various proponents that need to be created. The userface needs to ssow the online progress, user information, the notes that the the teacher recommeneds for the driver.
* The user face also needs to show the the photo of the driver, as well as a photo of the student.
* It should also have a interface where we are able to access the documents needed for students to study for the driving test.
* Each user will be able to control the important aspects of their respective role such as students, teachers, and administrative roles.
* The can interact through the interfacve with through web based interfaces via mac or windows, or mobile services through iOS or andriod apps(windows 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?*

* The basic assumption spefically with the design have to be the basic intergration of a system for said purposes.
* Some of the specific things not stated above would be a sys and database that can control the driverpass userface for the users.
* We are assusming that the necessary technology, such as databases and cloud based services to proivde the information for the users.
* We are asuming the consulting company as well as the company itself, that they have the necessary equipment and software to run a succesful system.

**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?*

* We could have a limitation when it comes to cloud based services, and access to documents anywhere on the go.
* We could have a limitation in terms of how smoothly the interface runs on both web browers and iOS
* we could have limitations in terms keeping users security safe, as there always a risk when it comes to security purposes.

**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.*