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**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?*

* Our client Driverpass aims to take advantage of a void market in driver training aids. DriverPass needs us to design a system that provides their customers with online classes, practice tests and the ability to book road training in person.

**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?*

* The DriverPass system needs to be accessible from anywhere.
* DriverPass wants to provide online classes and practice driving tests to students as well as In-Person driving classes.
* DriverPass wants a way to make reservations that allows the customer and company personnel to book the three packages or the In-Person driving classes that are offered. This method should allow modifications of the schedule as well.
* User authentication and authorization that give certain abilities in the system based on the user's role.
* The owner needs wants to have to ability to manage all account and be able to reset passwords, restrict accounts and block accounts.
* The owner also needs to be able to have the ability to close the packages and stop reservations if too many are made.
* The owner wants to sync to the DMV so that new rules, policies, and sample questions are updated. Also wants to provide a notification whenever an update occurs.
* The company personnel and users need to see the test progress, personal information, driver notes, driver photo, student photo, and any other special needs. Test progress should show the name of the test, time it was taken, score, and status (EX. In progress, passed, failed, not taken)
* The owner should be able to track which driver is paired to each student and which car is being used.
* The system mustbe able to operate on the cloud. The owner does not want to deal with backup and security.

**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 primary objective is to create a comprehensive website enabling students to access online driving classes and practice exams. Additionally, the site will facilitate booking for on-the-road driving training, available in three different packages. Students can schedule these in-person sessions in two-hour increments. The platform will also allow students to reschedule and adjust their class times and dates as needed.
* Employees can utilize the system to book appointments for students who arrive in person or call through the reservation system. The owner will have the ability to disable any of the three available packages, monitor student-driver assignments, adjust user permissions, review driver notes, access student details, and track changes made within the system.

**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?*

* [Insert text]

**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?*

* [Insert text]

**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?*

* [Insert text]

**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?*

* [Insert text]

**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?*

* [Insert text]

**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.”*

* [Insert text]

**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.)?*

* [Insert text]

**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?*

* [Insert text]

**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?*

* [Insert text]

**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.*

[Insert chart]