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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?*

* The client, DriverPass, wants us to develop a system that aids individuals in passing their driving exam. DriverPass wants users to have the choice to employ on-the-road training in addition to being able to study both online and offline through classes, tests, and other means.

**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 client, DriverPass, would like the system to have online learning materials including things like tests, that might help their users pass their driver test. Some of the components that might be required for this system are a site to host the content, online and offline tests and classes that stay up to date with the DMV, and a cloud system to secure the data. The system should also track appointments made, and also any potential cancelations and modifications. The user should be able to schedule appointments online and reset their password. Users should have the option to schedule an on the road training session, and pick from three package types, one should have six hours with a trainer, two should have eight hours with a trainer, and an in person lesson, and three should have twelve hours with a trainer, an in person lesson, and full online access to other resources.

**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 client, DriverPass, would like the system to be an online and offline platform that helps people pass their driver test. The system should provide learning resources and tests, and provide an option for on the road training. The system should store data regarding appointments and potentially other things through the cloud, and provide users with an option to reset their password. Steps to achieve this would be creating a hosting site whether that be an app and or website with all of the mentioned content, find a cloud computing company to store the data, and try to connect to the DMV so that all of the information is up-to-date.

**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?*

* The system should probably be updated at least once a month to try and improve performance and security, run in a web-based environment with quick load times to assist in keeping the given user's engagement.

**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 probably run on the most popular web browsers, and have a database for the back end.

**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?*

* The system will probably utilize a unique username and password system to help distinguish between users, the input can be case-sensitive, and the system should send information to the given admin is there is a potential issue with the system, for example, if a user was having trouble logging in.

**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?*

* The system probably should automatically adapt to platform updates, the IT admin should have access to everything linked to the system and its potential functions, and modifications to the user should be possible without altering the code.

**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?*

* The user should be able to log in to their respective account with their unique username and password, one thing that could help secure the connection and or the data exchanged might be an 'HTTPS' system, if there is a hacking attempt, one thing that could help would be to lock the account temporarily, if the user would happen to forget their password, there should be a system that is responsible to sending a reset link to their respective email.

**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 provide a way for users to schedule driving exams.
* The system shall provide a way to modify and or cancel driving exams.
* The system shall provide a way for users to reset their passwords.
* The system shall provide a way for users to access online courses.
* The system shall provide feedback based on the user's potential results for exams.
* The system shall provide a way for drivers to view their history.
* The system shall validate user credentials when logging in.

**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 interface should be user-friendly and easy to navigate.
* The different users for this interface would be the admins, drivers, and the driving instructors.
* Each user should be able to
* The user should be able to interact with the interface with both mobile and browsers.

**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 particulars of payment processing and the implementation of customer service are a couple of items that were potentially not addressed in the design.
* Some presumptions about the users that could be made include the fact that they have access to a device that can see the application, an internet connection, and a fundamental knowledge of how to utilize an 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?*

* Some limitations might be working with a limited budget for development and maintenance, and a limited amount of users that can be using the system at the same time.

**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.*