**CS 255 Business Requirements Document Template Colin Aheron**

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 consulting company aims to assist DriverPass in revolutionizing the driver training industry by providing a comprehensive and accessible solution to address the prevalent issue of inadequate preparation for driving tests. DriverPass envisions a system that offers online classes, practice tests, and on-the-road training to effectively equip individuals with the necessary skills and knowledge required to pass their driving tests successfully. Through this project, we seek to empower DriverPass to fulfill its mission of bridging the gap in driver training and enhancing road safety.

**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?*

* DriverPass identifies a significant problem in society, which is the high rate of individuals failing their driving tests at the Department of Motor Vehicles (DMV). This problem stems from insufficient training and preparation provided to aspiring drivers, leading to road safety concerns and regulatory compliance issues. DriverPass believes that by offering a comprehensive and accessible driver training solution, they can mitigate this problem and ensure that individuals are adequately prepared to navigate the road safely. Their proposed solution includes online classes, practice tests, and on-the-road training, addressing the various aspects of driver education to improve overall success rates in driving tests and enhance road safety.

**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?*

* Develop an Online Platform: Create a user-friendly online platform where users can access driver training materials, including classes, practice tests, and instructional content.
* Enable Reservation System: Implement a robust reservation system that allows users to schedule driving lessons conveniently through the online platform or via phone calls/office visits.
* Ensure Data Accessibility: Ensure seamless access to data from any device, online or offline, enabling users to download reports and training materials for convenient offline use.
* Implement User Roles and Permissions: Establish distinct user roles with varying levels of access rights to ensure data security and administrative control, including roles for the owner, IT officer, secretary, and students/customers.
* Enable Tracking and Monitoring: Incorporate comprehensive tracking functionality to monitor user actions, including reservations, modifications, cancellations, and test progress, providing transparency and accountability.
* Ensure Compliance with DMV Regulations: Establish mechanisms to stay up-to-date with DMV regulations and requirements, enabling timely updates to training materials and content to ensure compliance and relevance.
* Design Intuitive User Interface: Develop an intuitive and visually appealing user interface that enhances user experience and facilitates easy navigation through the platform's features and functionalities.
* Future-Proof System: Build a flexible and scalable system architecture that allows for future feature additions or modifications, ensuring the system can adapt to evolving business needs and industry trends.

**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]